

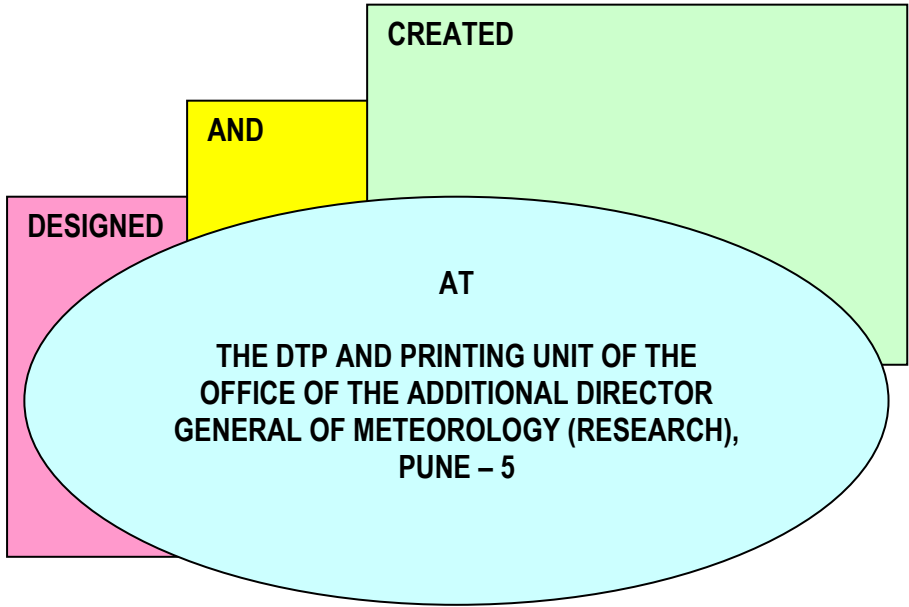
RADIOSONDE AND RADIOWIND NORMALS



GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT

0530 HRS

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THE NATIONAL CLIMATE CENTRE
Office of the
Additional Director General of Meteorology (Research),
Pune



P R E F A C E

The India Meteorological Department has published climatological normals of important Surface Meteorological parameters from time to time since 1904. The first publication of upper air normals based on the data from 1971 to 1980 for 25 RS/RW stations was brought out in 1988. Subsequently more RS/RW stations have been added to the upper air network and data availability for existing stations have also been increased. Therefore a need, to bring out a second publication by incorporating the recent data and taking all the existing stations into consideration, was felt and accordingly a decision for this publication was taken during AMR meeting held at Ahmedabad on 25.2.2000.

This publication, second in the series brings out the climatology of upper air. It contains the mean monthly average values of upper air temperature, heights of pressure surfaces, dew point temperature, scalar wind and zonal and meridional wind components at standard and additional levels. The radiosonde data collected for the period 1971 to 1990 for 35 Indian RS/RW stations have been processed and monthly averages of these upper air parameters for 00 and 12 UTC hrs have been computed and included in the publication. Also the extremes of temperatures obtained at the different levels, the year of their occurrence and other statistical parameters have also been brought out in the publication. It is hoped that the publication will find use in operational and research activities in Meteorology.

I would like to acknowledge the contributions of Dr. S. K. Dikshit, Dr.(Smt.) B. Shyamala, Shri C.D. Padmanabhan, Shri. P. M. Gulhane, Shri. N. D. Sable, and Shri. P. Abraham in bringing out this publication.

New Delhi
September, 2003

R.R. Kelkar
Director General of
Meteorology

THE LIST OF RS/RW STATIONS

The index number and names of stations taking RS/RW observations at 0000 UTC and 1200 UTC are given below

S. No.	Index No.	Station
1	42724	Agartala
2	42647	Ahmedabad
3	43311	Amini
4	43295	Bangalore
5	42971	Bhubaneshwar
6	42667	Bhopal
7	43014	Chikalthana (Aurangabad)
8	43279	Chennai
9	43192	Goa (Panjim)
10	42379	Gorakhpur
11	42361	Gwalior
12	42410	Guwahati
13	43128	Hyderabad
14	43041	Jagdalpur
15	42339	Jodhpur
16	43346	Karaikal
17	43353	Kochi
18	42809	Kolkata
19	42369	Lucknow
20	43285	Mangalore
21	43185	Machilipatnam
22	42314	Mohanbari
23	43369	Minicoy
24	43003	Mumbai
25	42867	Nagpur
26	42182	New Delhi
27	42101	Patiala
28	42492	Patna
29	42779	Pendra Road
30	43333	Port Blair
31	42700	Ranchi
32	42397	Siliguri
33	42027	Srinagar
34	43371	Thiruvananthapuram
35	43150	Visakhapatnam

SYMBOLS USED IN THE FORMAT

<i>N</i>	Number of observations on which the mean is based.
<i>P</i>	Pressure, given to the nearest whole millibar for surface, freezing level and tropopause levels.
<i>H</i>	Altitude of isobaric level, given in geopotential meters.
<i>T</i>	Mean temperature correct to the first place of decimal in degree Celsius.
<i>TX</i>	The highest temperature in degree Celsius at the level for the month.
<i>TN</i>	The lowest temperature in degree Celsius at the level for the month.
<i>TD</i>	Mean Dew point temperature correct to the first place of decimal in degree Celsius.
<i>DDD</i>	Mean resultant wind direction given as the number of degrees from true North.
<i>VM</i>	Mean wind speed in metres per second irrespective of direction.
<i>VR</i>	Direction in degrees from North and velocity in meters per second of the resultant mean wind (vector mean).
<i>SDHP</i>	Standard deviation of Altitude.
<i>SDTT</i>	Standard deviation of Temperature.
<i>YRTX</i>	The year in which the highest temperature has been recorded for the available period.
<i>YRTN</i>	The year in which the lowest temperature has been recorded for the available period.
<i>ALT</i>	Altitudes of freezing and tropopause levels in tens of gpm.

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

JANUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN	
SURFACE	333	1013	333	11.1	24.8	4.8	333	10.2	333	021	0.1	0.2	0.91	0.98	1983	1989	
1000	322	127	322	12.9	21.0	6.0	322	9.8	321	020	1.5	2.5	7.15	1.04	1983	1989	
950	322	552	322	15.8	22.0	5.8	320	8.0	321	358	1.7	3.6	13.21	1.02	1990	1988	
900	322	1022	322	13.7	20.8	4.2	314	3.9	321	317	1.9	3.9	8.95	0.93	1990	1989	
850	322	1501	322	11.1	17.8	2.8	291	-0.4	321	297	3.0	4.9	10.71	0.97	1990	1989	
800	322	2006	322	8.7	16.0	0.0	250	-4.6	321	288	4.8	6.5	12.21	1.04	1990	1989	
750	322	2536	322	6.5	18.0	-5.1	187	-7.5	320	288	7.1	8.5	11.60	1.52	1990	1981	
700	322	3101	322	4.3	16.4	-2.5	133	-9.9	321	286	9.2	10.5	15.75	1.77	1990	1980	
650	315	3700	315	1.5	14.6	-6.7	102	-13.0	292	283	11.2	12.5	20.06	2.07	1990	1987	
600	306	4345	306	-1.7	11.0	-10.7	70	-14.9	267	282	13.4	15.0	20.93	2.19	1990	1983	
550	297	5052	297	-5.5	7.2	-15.5	56	-18.5	246	280	15.6	17.0	22.46	2.15	1990	1983	
500	286	5775	286	-9.9	3.2	-19.7	42	-21.8	229	278	18.8	20.3	29.64	2.14	1989	1983	
450	270	6588	270	-14.8	-1.9	-24.3	30	-24.8	210	276	21.5	23.7	31.74	2.23	1990	1989	
400	251	7469	251	-20.1	-6.9	-30.3	24	-30.6	197	276	24.8	26.7	40.46	2.34	1990	1989	
350	223	8456	223	-25.9	-13.3	-36.5	11	-34.7	177	274	28.4	30.3	38.28	2.48	1990	1982	
300	207	9554	207	-32.9	-20.7	-43.9	8	-42.0	165	273	30.7	33.0	61.22	2.55	1990	1979	
250	194	10815	194	-41.3	-29.5	-53.1	3	-45.7	145	272	34.0	35.6	70.65	2.50	1990	1979	
200	177	12305	177	-51.4	-40.3	-61.9				117	271	36.8	38.6	121.27	2.30	1990	1979
175	150	13164	150	-57.0	-45.7	-67.3				68	272	34.8	36.8	99.03	2.43	1990	1982
150	127	14123	127	-62.8	-51.9	-74.5				48	268	34.1	35.7	105.55	2.44	1990	1980
125	95	15246	95	-69.1	-57.3	-80.9				32	271	32.5	34.2	122.83	2.52	1990	1980
100	79	16550	79	-73.6	-62.9	-82.3				20	268	29.5	31.1	118.68	2.49	1990	1982
80	61	17863	61	-72.6	-54.7	-81.7				13	278	21.5	24.0	143.71	4.93	1990	1986
70	55	18673	55	-69.7	-47.1	-84.3				12	274	17.0	22.3	155.87	5.70	1990	1988
60	50	19582	50	-64.4	-44.7	-84.1				9	282	16.6	20.3	172.94	5.53	1990	1988
50	43	20698	43	-58.1	-41.1	-68.5				7	280	12.2	12.8	181.66	3.69	1990	1988
40	36	22128	36	-53.7	-43.1	-62.3				7	272	12.1	16.1	213.78	3.20	1990	1980
30	27	24002	27	-50.0	-40.5	-58.3				6	291	10.9	14.5	222.91	4.10	1983	1980
25	21	25192	21	-48.5	-43.9	-53.5				6	025	2.8	14.3	253.23	2.64	1990	1980
20	20	26665	20	-45.7	-40.9	-52.7				6	040	6.2	16.5			1990	1988
15	13	28648	13	-41.9	-37.5	-45.7				3	263	7.8	9.3			1981	1987
10	2	31495	2	-39.0	-35.1	-42.9										1990	1987
7	1	33217	1	-40.1	-40.1	-40.1										1987	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
312	628	400					73	097	1680	-75.0

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

FEBRUARY 1979-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	328	1011	328	14.1	23.2	5.0	328	12.9	328	086	0.1	0.4	1.35	1.19	1980	1983
1000	286	111	286	15.3	22.8	7.6	286	12.1	286	016	0.9	2.8	10.96	1.32	1980	1983
950	286	539	286	17.9	26.0	10.8	284	8.9	286	334	1.3	3.9	17.23	1.05	1985	1986
900	286	1012	286	15.5	22.0	8.8	280	5.3	286	302	2.5	4.6	12.35	0.90	1982	1989
850	286	1495	286	12.6	21.8	5.4	270	1.8	286	292	4.4	5.9	13.33	0.89	1990	1979
800	286	2092	286	9.7	19.8	2.6	245	-1.1	286	287	5.9	7.3	16.05	0.82	1990	1979
750	286	2529	286	6.9	17.6	-0.3	220	-4.1	286	286	8.2	9.5	21.47	0.96	1990	1983
700	286	3099	286	4.0	15.2	-3.7	186	-6.8	286	285	10.4	11.6	16.65	1.04	1990	1979
650	279	3690	279	1.1	12.0	-8.1	153	-9.4	259	284	12.6	13.8	22.37	1.26	1990	1981
600	271	4339	271	-2.1	9.0	-8.7	126	-12.9	241	280	14.7	15.8	19.66	1.61	1989	1981
550	262	5044	262	-6.0	5.0	-13.9	101	-16.8	223	278	16.9	18.1	23.60	1.66	1990	1981
500	254	5765	254	-10.3	3.6	-19.3	78	-19.9	214	278	18.6	19.9	24.13	1.81	1990	1979
450	243	6577	243	-15.3	-4.3	-25.7	65	-24.1	199	275	21.5	23.1	31.42	1.98	1985	1979
400	233	7449	233	-20.6	-9.7	-31.7	47	-29.3	194	274	25.0	26.7	32.68	2.46	1985	1979
350	226	8434	226	-26.7	-15.5	-38.5	29	-35.8	182	273	27.7	29.5	38.64	2.55	1985	1979
300	213	9525	213	-33.5	-22.1	-46.1	15	-40.4	170	273	32.1	34.4	49.77	2.94	1990	1981
250	193	10783	193	-41.9	-28.5	-55.7	2	-34.5	140	273	34.8	37.6	62.10	3.86	1985	1982
200	176	12261	176	-51.4	-39.3	-64.7			104	273	36.0	38.5	64.33	2.49	1990	1981
175	145	13122	146	-56.5	-43.9	-66.7			66	275	36.7	38.8	69.34	2.34	1990	1986
150	128	14090	128	-61.5	-49.5	-70.5			51	275	36.7	38.9	79.81	3.09	1990	1983
125	102	15214	102	-67.1	-56.1	-79.9			31	274	35.6	37.4	109.79	3.47	1990	1986
100	86	16549	86	-71.9	-62.1	-81.7			17	273	34.1	35.3	128.47	3.18	1990	1982
80	69	17859	69	-71.2	-59.3	-80.7			5	279	29.6	30.6	148.91	2.41	1990	1979
70	65	18564	65	-68.8	-59.1	-77.5			3	285	37.2	38.3	157.19	2.55	1990	1979
60	59	19597	59	-64.2	-51.1	-71.9			3	289	35.2	38.0	157.96	1.84	1990	1982
50	53	20733	53	-59.4	-50.3	-69.1			3	280	31.3	32.0	159.78	3.95	1990	1986
40	36	22133	36	-55.4	-47.1	-69.1							177.23	2.72	1981	1990
30	30	23995	30	-52.0	-43.1	-69.9							175.79	3.00	1988	1950
25	21	25208	21	-50.1	-40.3	-70.3							174.30	3.55	1988	1990
20	17	26668	17	-48.2	-39.1	-68.9									1988	1990
15	13	28635	13	-44.2	-37.5	-66.9									1988	1990
10	5	31155	5	-43.7	-29.3	-63.9									1987	1990
7	2	33556	2	-50.3	-38.9	-61.7									1988	1990

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
271	634	391	2	236	1098	-56.8	75	097	1678	-73.0

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

MARCH 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	351	1009	351	19.7	26.6	9.8	350	18.0	351	181	0.7	1.3	1.04	1.20	1986	1979
1000	343	92	343	20.3	27.2	11.0	343	17.2	343	202	1.3	3.3	8.29	0.99	1986	1979
950	343	526	343	21.5	30.2	12.8	341	13.6	343	241	2.7	5.4	9.50	0.66	1990	1989
900	343	1005	343	19.3	28.2	9.6	337	9.3	343	264	4.1	5.9	7.38	0.66	1988	1989
850	343	1495	343	16.3	27.4	6.2	329	5.5	343	272	5.4	6.9	7.94	0.63	1990	1989
800	343	2008	343	12.9	22.8	2.8	312	2.3	342	274	6.8	8.2	8.48	0.64	1989	1989
750	343	2537	343	9.4	19.4	1.0	295	-1.0	342	276	8.7	10.0	13.58	0.67	1989	1984
700	343	3115	342	5.9	15.8	-2.1	271	-4.7	343	280	10.8	12.0	8.31	0.81	1989	1988
650	335	3711	334	2.4	11.4	-6.3	238	-8.7	329	281	12.7	13.8	14.59	0.99	1989	1988
600	331	4362	330	-1.0	8.4	-9.5	203	-12.6	310	281	14.3	15.4	10.07	1.09	1988	1988
550	323	5069	322	-4.9	7.4	-13.3	143	-16.3	290	280	16.4	17.5	22.31	1.22	1988	1986
500	318	5794	317	-9.4	2.2	-19.3	113	-20.2	280	278	18.7	19.9	15.31	1.29	1988	1986
450	312	6604	312	-14.4	-2.3	-24.3	90	-24.5	262	277	20.8	22.2	28.23	1.42	1988	1986
400	301	7484	301	-20.0	-9.3	-29.3	70	-29.6	243	276	24.1	25.5	21.22	1.39	1988	1986
350	288	8473	288	-25.9	-13.1	-36.5	49	-36.5	210	274	26.6	28.1	27.58	1.83	1988	1981
300	276	9569	276	-32.7	-19.7	-43.3	21	-41.5	193	274	29.4	31.2	42.11	2.05	1988	1981
250	255	10831	255	-41.0	-28.1	-52.9	2	-46.3	148	271	32.5	34.7	47.35	2.18	1988	1981
200	233	12321	233	-50.0	-40.1	-61.1			109	268	32.6	35.1	61.37	1.79	1983	1981
175	190	13182	190	-55.1	-45.1	-65.7			73	266	31.2	33.5	68.48	2.08	1987	1981
150	172	14152	172	-60.7	-48.1	-71.1			61	268	30.5	33.3	73.88	2.28	1987	1979
125	141	15268	141	-66.6	-53.1	-77.1			31	272	27.9	29.2	84.13	2.20	1990	1979
100	121	16607	121	-71.8	-59.1	-81.5			27	271	26.5	28.7	99.60	2.69	1990	1986
80	91	17930	91	-71.9	-60.1	-80.5			14	276	21.2	22.2	127.94	2.20	1987	1988
70	80	18725	80	-69.9	-59.3	-80.3			13	271	21.2	22.3	129.60	2.22	1980	1988
60	70	19649	70	-65.0	-54.1	-79.9			10	271	14.0	17.9	131.98	2.85	1990	1988
50	58	20788	58	-59.3	-51.9	-72.3			6	278	6.4	16.6	131.14	3.58	1989	1984
40	41	22184	41	-53.7	-42.7	-63.5			3	274	7.4	20.7	130.73	4.69	1989	1980
30	30	24094	30	-49.4	-40.3	-63.1			2	130	11.2	25.0	147.14	2.70	1981	1980
25	27	25302	27	-46.8	-34.9	-62.7			1	061	15.0	15.0	164.81	4.50	1981	1980
20	22	26768	22	-45.8	-34.5	-70.1							220.69	4.83	1988	1987
15	13	28666	13	-44.3	-33.3	-68.9									1988	1987
10	7	31410	7	-43.7	-28.7	-67.5									1987	1987
7	2	33233	2	-53.8	-41.7	-65.9									1988	1987

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
330	614	4'9	3	198	1225	-58.8	99	094	1706	-73.7

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

APRIL 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	360	1006	360	23.6	28.4	16.4	360	21.9	360	170	1.7	2.4	1.08	0.83	1980	1990
1000	342	69	338	23.6	29.0	16.2	338	21.6	338	167	2.3	3.6	8.38	0.80	1987	1990
950	342	503	342	23.8	31.0	16.0	341	19.1	342	192	4.5	6.7	14.66	1.11	1980	1990
900	342	991	342	22.0	30.8	14.8	341	14.8	341	220	5.8	7.6	7.57	1.19	1983	1985
850	342	1486	342	19.5	28.6	12.8	337	10.5	342	238	6.5	8.0	7.93	1.26	1989	1985
800	342	2006	342	16.4	25.6	10.0	330	6.3	342	251	7.5	8.9	8.54	1.24	1989	1987
750	342	2535	342	12.8	24.0	6.0	325	2.5	342	264	8.9	10.3	10.05	1.25	1989	1990
700	342	3128	342	8.8	22.2	1.8	315	-1.3	342	272	10.2	11.8	11.22	1.32	1989	1982
650	328	3725	328	4.8	20.4	-7.1	280	-5.2	320	279	11.5	13.1	14.12	1.48	1989	1979
600	323	4385	323	0.9	12.2	-7.1	233	-9.4	295	278	12.8	14.4	15.53	1.27	1989	1982
550	315	5093	314	-3.1	8.8	-12.1	189	-14.7	282	278	14.1	15.8	20.17	1.22	1989	1982
500	310	5828	309	-7.3	4.0	-16.3	133	-18.9	274	275	15.6	17.3	20.87	1.25	1989	1982
450	296	6647	295	-12.0	-1.1	-21.1	100	-23.7	249	275	17.7	19.5	29.26	1.40	1990	1990
400	288	7535	287	-17.6	-6.9	-28.1	74	-27.8	237	273	19.9	21.9	29.69	1.49	1990	1982
350	270	8528	270	-24.0	-13.9	-36.5	59	-33.7	194	271	21.2	23.9	35.99	1.81	1990	1979
300	254	9637	254	-31.1	-21.1	-43.7	34	-40.4	174	271	23.1	26.0	43.28	2.29	1984	1979
250	228	10906	228	-40.0	-29.7	-50.7	3	-47.5	139	269	25.2	27.8	57.63	2.75	1984	1982
200	210	12398	210	-49.9	-39.9	-62.7			106	262	25.3	27.6	78.40	2.37	1990	1982
175	175	13259	175	-55.3	-46.3	-64.9			77	263	25.6	27.9	91.00	2.15	1990	1982
150	153	14225	153	-60.9	-50.1	-70.3			61	268	24.3	25.8	89.79	1.81	1989	1982
125	121	15349	120	-66.2	-52.9	-76.7			44	267	20.2	22.4	109.78	2.34	1989	1990
100	104	16689	104	-70.4	-55.7	-81.1			33	264	17.2	18.6	115.59	3.21	1989	1990
80	76	18014	76	-70.2	-54.5	-81.9			20	264	16.0	18.5	149.70	3.24	1989	1988
70	65	18820	65	-67.0	-53.7	-77.3			14	262	13.8	17.5	187.78	3.23	1987	1988
60	58	19750	58	-62.8	-49.9	-76.9			12	261	14.1	18.3	184.96	2.80	1987	1988
50	52	20897	52	-56.4	-43.1	-74.7			9	240	11.9	16.2	181.79	3.68	1987	1989
40	38	22390	38	-50.7	-38.9	-68.9			7	246	10.9	13.8	168.91	3.28	1988	1989
30	30	24281	30	-44.9	-34.7	-54.5			7	254	12.1	15.8	193.25	2.75	1987	1980
25	24	25546	24	-41.3	-34.1	-52.3			3	276	14.3	18.3	175.34	4.78	1987	1980
20	14	27089	14	-40.0	-31.1	-49.5			2	273	23.3	23.5			1987	1980
15	7	29091	7	-35.8	-29.5	-41.1									1987	1988
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
323	588	4E4	1	160	1391	-60.9	84	095	1704	-72.6

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

MAY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	338	1004	338	24.9	29.8	19.6	338	23.3	338	162	1.1	1.9	1.28	0.84	1989	1985
1000	327	50	308	24.8	30.0	19.6	308	23.2	307	159	1.5	2.4	11.08	0.80	1987	1985
950	327	485	327	24.4	31.6	18.4	326	21.2	324	186	4.2	6.0	17.57	0.57	1988	1987
900	327	975	327	22.4	30.4	16.0	326	18.0	324	210	4.8	6.8	10.70	0.55	1988	1987
850	327	1471	327	19.9	29.0	13.2	326	14.1	324	228	4.8	6.7	10.88	0.60	1988	1986
800	327	1992	327	17.1	25.4	10.8	325	10.0	324	246	5.5	7.2	10.99	0.59	1988	1986
750	327	2528	327	13.7	21.6	7.6	322	5.5	323	262	6.1	8.0	13.79	0.65	1988	1985
700	327	3118	327	10.0	18.0	3.4	314	1.3	324	274	7.1	8.9	10.68	0.80	1988	1981
650	318	3722	318	6.1	13.4	-1.1	293	-3.3	304	277	8.2	10.3	15.51	0.86	1988	1981
600	311	4381	311	2.5	19.2	-4.7	263	-7.4	281	279	8.2	10.4	11.95	0.95	1988	1981
550	299	5097	299	-1.2	7.4	-9.5	204	-10.6	258	279	8.4	10.8	20.50	1.02	1988	1989
500	289	5835	289	-5.1	6.0	-12.7	166	-14.2	251	276	9.1	11.4	15.37	1.05	1990	1981
450	280	6665	280	-9.5	-0.9	-18.1	133	-18.2	232	272	10.1	12.6	23.20	1.19	1988	1986
400	269	7559	269	-14.6	-6.1	-25.3	116	-23.7	219	266	11.0	13.5	23.27	1.39	1988	1989
350	254	8560	254	-20.8	-11.7	-33.3	86	-29.4	189	263	12.4	14.8	28.63	1.69	1990	1989
300	247	9586	247	-28.3	-19.7	-42.3	52	-36.2	175	260	14.2	16.4	39.22	1.81	1988	1989
250	230	10970	230	-37.6	-25.7	-52.3	15	-42.6	153	260	15.0	17.6	50.87	2.07	1990	1989
200	219	12475	219	-48.9	-40.3	-59.9	1	-54.1	138	258	15.6	18.6	60.79	2.11	1990	1982
175	191	13343	191	-55.3	-46.1	-67.1	1	-58.5	111	258	15.3	18.0	70.96	2.03	1990	1981
150	170	14312	170	-62.0	-53.5	-71.9			94	257	13.7	17.4	81.47	2.05	1990	1982
125	139	15427	139	-68.9	-59.1	-77.1			67	256	12.6	16.5	96.84	2.52	1987	1982
100	118	16748	118	-73.7	-61.9	-82.1			54	254	10.3	14.7	104.65	3.31	1989	1979
80	83	18065	83	-72.0	-58.1	-81.7			31	262	4.5	11.2	112.11	2.77	1987	1989
70	72	18868	72	-68.0	-50.1	-81.5			29	259	4.8	11.7	113.06	3.27	1987	1988
60	63	19795	63	-62.7	-41.9	-78.1			21	279	2.7	10.3	138.98	2.80	1987	1989
50	55	20933	55	-56.9	-43.9	-69.9			18	307	3.1	10.3	141.39	4.13	1987	1988
40	38	22385	38	-51.1	-41.3	-63.7			9	359	2.2	8.8	128.63	1.80	1987	1988
30	28	24297	28	-45.5	-35.1	-56.1			6	296	7.0	14.8	152.64	2.45	1987	1988
25	20	25458	20	-43.3	-35.9	-52.5			3	325	2.8	13.0			1987	1989
20	14	27021	14	-40.5	-30.1	-51.9			1	260	23.0	23.0			1988	1989
15	9	28951	9	-39.9	-26.5	-48.9			1	242	14.0	14.0			1987	1989
10	6	31718	6	-38.2	-33.3	-46.1			1	248	23.0	23.0			1989	1989
7	1	33990	1	-38.3	-38.3	-38.3									1982	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
298	566	486					99	099	1681	-74.7

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

JUNE 1979-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	302	1000	302	26.1	29.8	23.0	302	24.6	302	162	2.3	2.6	1.17	0.39	1979	1983
1000	280	12	142	25.9	31.8	22.8	142	24.6	141	165	2.6	2.9	10.86	0.33	1989	1988
950	280	451	280	24.8	32.0	20.0	280	22.9	278	172	6.4	7.4	13.32	0.42	1989	1989
900	280	940	280	22.8	30.6	17.0	280	20.4	278	184	6.5	8.0	11.39	0.54	1989	1989
850	280	1438	280	20.5	28.6	13.4	280	17.4	278	192	5.7	7.6	12.20	0.53	1989	1984
800	280	1962	280	17.8	24.4	10.2	279	14.3	278	201	4.9	7.6	13.74	0.58	1989	1981
750	280	2508	280	14.9	22.4	6.8	279	10.8	278	207	4.1	7.5	15.73	0.60	1989	1981
700	280	5094	279	11.8	20.2	3.0	277	7.0	278	215	3.6	7.4	15.64	0.63	1989	1981
650	275	3707	274	8.5	18.0	-0.5	266	3.0	249	215	3.2	7.7	19.62	0.76	1989	1981
600	270	4370	269	5.1	14.8	-1.1	248	-0.4	232	212	2.7	7.4	19.87	0.81	1989	1981
550	265	5103	265	1.6	11.2	-6.1	234	-4.3	215	203	2.7	7.0	23.60	0.86	1989	1983
500	258	5841	258	-2.3	7.6	-9.3	222	-8.6	200	191	2.5	6.8	21.21	0.96	1989	1983
450	252	6683	252	-6.6	3.4	-19.7	208	-13.6	167	172	2.6	6.7	26.68	1.11	1989	1981
400	245	7588	245	-11.5	-1.3	-19.1	188	-19.4	160	178	3.0	7.0	26.37	1.07	1989	1984
350	236	8603	236	-17.5	-5.3	-26.7	149	-26.0	140	185	3.3	7.6	29.36	1.16	1989	1984
300	230	9742	230	-25.0	-14.9	-32.7	104	-33.9	134	174	3.0	8.2	36.35	1.36	1989	1989
250	221	11041	221	-34.5	-25.7	-42.7	45	-41.3	123	169	2.4	8.7	43.17	1.62	1989	1981
200	210	12559	210	-47.0	-36.9	-56.1			114	120	2.2	9.7	56.69	1.82	1983	1981
175	192	13426	192	-54.3	-45.1	-64.1			107	079	1.7	10.6	62.19	1.95	1988	1981
150	171	14400	171	-61.9	-50.9	-74.1			93	059	3.5	11.1	74.32	2.22	1988	1981
125	143	15511	143	-69.4	-56.7	-79.3			75	061	5.7	11.6	83.21	1.90	1988	1989
100	129	16829	129	-74.6	-61.3	-83.3			64	073	7.0	11.1	93.58	2.01	1988	1986
80	99	18143	99	-71.3	-57.9	-84.5			45	084	9.6	11.9	111.61	3.08	1987	1987
70	95	18962	95	-66.6	-52.5	-82.1			42	089	9.7	11.7	118.48	3.89	1987	1987
60	83	19903	83	-61.3	-46.3	-76.1			35	092	13.0	14.7	126.95	5.15	1987	1987
50	74	21043	74	-55.0	-45.5	-73.3			33	094	14.1	15.2	138.07	6.67	1986	1984
40	52	22498	52	-48.8	-37.9	-59.9			24	089	13.6	15.5	171.97	3.22	1986	1989
30	35	24402	35	-43.7	-35.1	-52.1			14	084	15.7	17.6	194.69	2.70	1987	1982
25	23	25624	23	-41.2	-27.1	-49.5			7	084	20.1	21.7	218.57	3.20	1987	1982
20	14	27249	14	-39.7	-31.5	-45.7			4	109	17.8	18.8			1986	1982
15	7	29165	7	-36.5	-31.5	-39.9			3	128	21.2	23.3			1986	1988
10	2	31989	2	-33.1	-31.5	-34.7			1	091	22.0	22.0			1986	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
254	529	539					108	099	1691	-75.9

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

JULY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	339	1000	339	25.8	28.2	23.2	339	24.6	339	171	2.9	3.1	1.26	0.34	1982	1985
1000	305	23	201	25.7	28.2	23.0	201	24.6	194	173	3.4	3.7	12.20	0.36	1982	1985
950	304	458	304	24.7	29.2	20.8	304	23.2	290	180	7.0	7.7	14.09	0.45	1982	1990
900	304	949	304	22.8	28.8	17.8	304	21.1	289	197	7.3	8.4	9.90	0.67	1982	1983
850	304	1447	304	20.4	26.6	15.6	304	18.3	290	202	6.6	8.0	8.25	0.77	1982	1987
800	304	1970	304	17.9	24.2	12.0	303	15.5	289	206	5.7	7.6	10.08	0.84	1982	1983
750	304	2519	304	15.2	21.4	8.4	303	12.4	289	209	5.0	7.2	12.83	0.91	1982	1983
700	304	3104	304	12.3	19.2	5.4	303	9.0	290	210	4.5	7.0	11.92	0.91	1990	1983
650	299	3724	298	9.2	17.4	2.0	297	5.4	252	207	3.8	6.9	13.21	0.91	1990	1983
600	290	4383	289	5.9	14.2	-1.5	287	1.7	227	197	3.5	6.8	14.35	0.95	1990	1983
550	284	5117	283	2.3	10.4	-3.9	282	-2.2	209	184	3.2	6.8	24.25	1.05	1990	1989
500	277	5857	276	-1.6	5.8	-9.1	273	-6.7	195	163	3.6	7.0	18.39	0.95	1990	1989
450	268	6704	268	-5.9	0.4	-15.9	262	-11.8	167	150	3.8	6.9	23.25	0.92	1990	1989
400	257	7605	257	-10.9	-2.9	-22.5	236	-17.4	163	129	4.8	7.5	22.92	1.03	1988	1989
350	241	8623	240	-16.8	-3.3	-29.5	198	-24.5	143	113	6.2	8.7	26.19	1.09	1988	1989
300	230	9765	229	-24.3	-17.7	-37.3	152	-32.1	140	102	7.6	9.8	30.81	1.27	1988	1989
250	219	11072	218	-33.7	-25.7	-47.1	77	-41.6	133	095	9.3	11.8	39.82	1.44	1990	1989
200	204	12594	203	-46.3	-40.1	-58.9			126	085	11.3	14.6	47.07	1.71	1988	1989
175	184	13464	184	-53.8	-47.1	-66.3			111	081	13.9	16.7	54.37	1.81	1988	1989
150	167	14443	167	-61.6	-52.9	-71.9			100	081	15.6	18.5	61.34	1.89	1984	1979
125	139	15553	139	-69.4	-58.1	-81.5			91	088	17.6	19.7	68.72	2.35	1984	1979
100	122	16858	122	-74.8	-64.1	-83.0			88	092	18.6	20.2	86.64	3.13	1986	1978
80	97	18167	97	-70.5	-53.5	-80.0			70	093	19.3	20.8	102.90	3.57	1986	1978
70	86	18966	86	-66.4	-51.1	-77.0			61	092	19.3	20.5	116.03	4.21	1981	1978
60	67	19895	67	-61.9	-49.7	-73.0			47	093	20.1	21.2	117.11	4.13	1990	1978
50	56	21029	56	-56.9	-43.9	-72.0			39	093	19.2	20.2	135.79	5.84	1990	1978
40	32	22451	32	-52.6	-42.7	-62.3			24	099	22.7	24.1	190.27	5.37	1990	1982
30	25	24380	25	-47.1	-36.5	-60.0			18	102	22.7	25.4	220.44	6.24	1990	1978
25	19	25570	19	-45.9	-35.7	-59.0			13	110	22.8	24.8			1986	1978
20	11	27122	11	-44.2	-38.1	-51.5			5	119	24.5	27.0			1982	1985
15	9	28991	9	-42.7	-35.5	-50.9			4	115	25.1	27.3			1986	1985
10	5	31528	5	-42.6	-36.9	-47.5			3	110	24.6	25.3			1986	1985
7	2	33821	2	-41.3	-41.1	-41.5			1	138	22.0	22.0			1985	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
279	520	554					110	102	1682	-75.9

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

AUGUST 1978-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	386	1000	386	25.8	29.0	23.8	386	24.8	386	160	1.9	2.2	1.36	0.20	1978	1979
1000	341	24	222	25.7	27.8	23.6	222	24.6	221	165	2.4	2.8	9.68	0.28	1990	1986
950	341	458	341	24.6	29.4	20.4	341	22.9	337	168	5.4	6.7	6.38	0.26	1990	1980
900	341	949	341	22.8	28.0	17.2	341	20.5	337	177	5.4	7.1	10.54	0.40	1990	1980
850	341	1447	341	20.4	26.6	14.8	341	17.7	337	177	4.7	6.8	11.65	0.39	1990	1980
800	341	1970	341	17.9	24.2	12.0	341	15.0	337	176	4.1	6.5	12.37	0.40	1990	1989
750	341	2519	341	15.1	21.0	9.0	341	11.8	337	173	3.8	6.4	13.83	0.44	1979	1980
700	341	3104	341	12.2	18.6	4.8	340	8.3	337	172	3.4	6.4	14.59	0.51	1990	1980
650	334	3722	334	9.1	16.0	1.8	333	4.5	307	168	3.3	6.5	16.70	0.58	1990	1980
600	326	4383	326	5.7	13.0	-2.1	323	0.6	291	162	3.6	6.3	18.40	0.57	1990	1980
550	321	5113	321	2.0	9.4	-5.5	315	-3.6	275	152	3.5	6.4	26.63	0.56	1990	1980
500	317	5856	317	-1.9	5.4	-9.1	307	-8.2	267	145	3.7	6.4	20.90	0.53	1989	1986
450	309	6700	309	-6.3	0.2	-15.1	289	-13.1	243	129	4.4	6.8	24.97	0.53	1990	1986
400	303	7603	303	-11.4	-5.3	-25.3	273	-19.2	237	122	4.8	7.1	25.45	0.59	1987	1983
350	285	8619	286	-17.4	-9.5	-29.1	221	-25.7	221	114	6.1	7.8	25.47	0.79	1985	1989
300	278	9759	277	-24.9	-14.3	-38.9	166	-33.4	213	107	7.2	9.1	28.55	0.93	1985	1989
250	259	11060	258	-34.7	-27.3	-50.3	69	-42.4	194	095	8.1	10.4	32.18	1.06	1987	1989
200	245	12579	245	-47.1	-39.7	-64.5			180	082	10.1	12.3	35.89	1.26	1988	1989
175	223	13447	223	-54.6	-45.5	-71.5			169	094	11.7	13.6	48.00	1.57	1988	1989
150	197	14418	196	-62.2	-51.3	-71.3			148	078	12.7	14.7	54.18	1.76	1988	1989
125	165	15526	164	-69.6	-58.1	-79.7			125	084	13.2	15.2	79.17	2.02	1988	1988
100	149	16842	149	-73.8	-58.3	-93.5			115	086	14.2	16.0	80.06	2.62	1989	1990
80	113	18155	113	-69.6	-57.1	-79.5			94	089	16.0	17.0	101.77	2.68	1986	1979
70	88	18968	98	-65.9	-53.3	-76.0			70	094	15.4	16.3	108.60	3.13	1986	1978
60	77	19891	77	-61.5	-49.1	-73.0			63	097	16.0	16.8	104.99	3.20	1986	1978
50	66	21042	66	-56.4	-44.1	-65.0			55	097	17.0	18.0	120.85	2.96	1986	1978
40	49	22483	49	-51.7	-42.3	-59.1			38	094	15.6	18.5	123.86	3.37	1985	1981
30	35	24401	35	-46.3	-34.1	-54.1			30	092	16.8	18.4	130.21	3.65	1986	1981
25	25	25599	25	-43.4	-35.5	-50.9			20	093	18.1	19.3	156.36	2.22	1980	1989
20	9	27186	9	-41.3	-31.1	-55.5			6	107	16.5	16.7			1986	1989
15	4	29219	4	-38.2	-34.1	-42.9			2	104	19.4	19.5			1987	1987
10	1	31477	1	-39.7	-39.7	-39.7									1987	1987
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

320	524	550		1	162	1340	-72.9		135	104	1664	-75.3
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NORMALS OF RADIOSONDE DATA

42724 AGARTALA

SEPTEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN	
SURFACE	370	1004	370	25.3	28.2	21.6	370	24.4	370	163	1.3	1.7	1.04	0.42	1982	1986	
1000	346	55	335	25.2	28.0	21.4	335	24.2	331	164	1.8	2.3	9.31	0.44	1989	1986	
950	345	489	345	24.4	30.4	19.6	345	22.3	341	176	3.9	5.6	16.71	0.47	1987	1986	
900	345	981	345	22.5	28.4	16.6	345	19.8	341	188	3.9	5.9	10.56	0.51	1987	1989	
850	345	1478	345	20.1	26.2	13.6	345	16.8	341	197	3.6	5.8	11.16	0.62	1987	1989	
800	345	2000	345	17.4	23.6	11.6	344	13.7	341	202	3.4	5.7	11.33	0.63	1987	1989	
750	343	2540	343	14.5	21.0	8.4	342	10.3	339	206	3.3	5.7	9.52	0.66	1978	1984	
700	343	3130	343	11.4	17.6	4.6	340	6.8	339	208	3.0	5.7	13.04	0.72	1988	1984	
650	334	3740	334	8.5	15.0	1.8	329	2.9	298	204	3.0	5.9	13.74	0.80	1990	1984	
600	328	4404	328	4.8	12.2	-1.3	321	-1.2	279	203	2.8	5.8	14.48	0.85	1990	1984	
550	316	5132	316	1.1	8.4	-4.7	302	-5.4	252	200	3.0	6.1	21.77	0.89	1990	1980	
500	311	5873	311	-2.9	4.0	-9.7	285	-9.8	249	199	2.7	6.1	18.73	0.95	1990	1980	
450	295	6711	295	-7.2	-0.5	-13.7	259	-14.8	234	189	2.3	5.9	23.25	1.05	1990	1984	
400	286	7614	286	-12.3	-5.5	-19.7	222	-20.5	221	168	2.3	6.4	25.38	1.19	1990	1981	
350	273	8623	273	-18.5	-10.7	-29.0	172	-26.8	205	158	2.3	6.8	30.49	1.40	1989	1978	
300	267	9760	267	-26.1	-17.5	-38.3	115	-33.9	199	139	2.6	7.5	35.48	1.53	1989	1981	
250	252	11055	252	-36.0	-25.9	-48.7	56	-43.1	181	114	3.1	8.6	43.65	1.60	1984	1981	
200	234	12564	234	-48.7	-40.9	-60.1				162	0.89	10.4	54.40	1.54	1990	1981	
175	212	13432	212	-55.8	-46.3	-68.1				148	0.82	4.2	11.7	62.64	1.58	1990	1981
150	191	14394	191	-63.6	-53.5	-73.9				132	0.85	5.1	11.9	80.35	1.89	1990	1981
125	154	15494	154	-70.8	-58.1	-80.5				108	0.93	6.7	12.3	83.98	2.09	1990	1981
100	127	16800	127	-74.4	-64.3	-83.0				92	0.92	7.3	11.8	90.80	2.30	1990	1978
80	100	18116	100	-70.1	-58.1	-81.0				71	0.86	9.0	12.5	103.65	2.84	1986	1978
70	89	18927	89	-66.1	-51.9	-79.0				64	0.89	9.9	12.9	117.87	3.03	1986	1978
60	75	19848	75	-51.9	-50.3	-77.0				53	1.02	10.0	13.4	99.97	2.61	1986	1978
50	66	20992	66	-56.7	-45.7	-73.0				48	1.02	9.8	13.1	133.38	4.07	1981	1978
40	44	22408	44	-53.2	-41.9	-69.0				31	1.06	10.6	12.7	151.51	4.86	1988	1978
30	24	24251	24	-49.0	-40.1	-62.0				19	0.95	13.6	17.8	201.67	5.07	1986	1978
25	19	25457	19	-46.2	-37.1	-59.0				15	1.02	12.7	17.7			1986	1978
20	11	26974	11	-44.4	-36.5	-52.9				7	1.19	9.3	16.5			1986	1982
15	6	28818	6	-43.9	-38.1	-49.1				4	0.96	19.3	19.8			1984	1982
10	4	31450	4	-40.8	-34.1	-43.7				2	1.01	22.7	25.0			1984	1982
7																	

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

319	536	534															

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

OCTOBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	377	1008	377	22.8	28.2	17.0	377	21.7	377	164	0.3	0.7	1.36	0.66	1985	1985
1000	335	88	334	23.1	28.2	17.4	334	21.6	332	113	0.5	1.8	10.79	0.53	1985	1985
950	335	515	335	23.3	30.2	16.8	335	19.3	333	124	0.7	3.9	12.98	0.74	1985	1979
900	335	1008	335	21.5	29.4	15.2	334	15.5	333	190	0.7	4.3	9.51	0.70	1985	1986
850	335	1503	335	18.8	26.4	11.8	333	11.5	333	210	1.0	4.5	9.56	0.84	1985	1979
800	335	2021	335	15.9	23.0	8.4	322	7.5	333	221	1.7	4.8	9.97	1.01	1988	1988
750	335	2555	335	12.7	21.6	6.2	301	4.1	333	227	2.4	5.4	12.04	1.21	1988	1988
700	335	3143	335	9.6	19.6	2.4	276	0.8	333	235	2.9	6.1	12.41	1.39	1988	1988
650	331	3747	331	6.4	16.2	-0.9	238	-2.6	302	245	3.9	6.8	15.88	1.53	1988	1988
600	330	4407	330	3.2	12.6	-4.1	203	-5.5	293	251	4.6	7.4	17.28	1.55	1988	1983
550	325	5128	324	-0.4	8.2	-8.3	169	-8.7	282	254	5.7	8.3	23.97	1.56	1988	1979
500	319	5866	318	-4.4	3.4	-12.9	145	-12.6	270	254	6.4	9.0	25.86	1.49	1988	1979
450	311	6695	310	-9.9	-1.7	-18.3	127	-17.5	251	260	7.2	10.1	31.77	1.51	1988	1979
400	300	7593	300	-14.4	-6.1	-24.7	101	-22.4	238	261	8.3	11.3	36.08	1.65	1988	1979
350	287	8595	287	-20.7	-11.3	-30.1	75	-29.0	214	254	9.8	12.3	40.74	1.71	1988	1985
300	266	9723	268	-28.3	-20.1	-38.9	50	-36.3	198	254	10.8	13.2	50.97	1.88	1988	1979
250	253	11008	253	-37.8	-29.5	-46.3	14	-45.7	177	263	11.4	13.8	61.85	1.81	1989	1985
200	233	12510	233	-49.8	-41.3	-59.0			158	264	11.4	14.5	74.96	2.02	1983	1978
175	208	13373	208	-56.5	-47.7	-65.0			135	262	11.0	14.0	85.76	2.10	1983	1978
150	187	14334	187	-63.9	-54.3	-71.5			123	257	10.7	14.4	94.93	1.92	1986	1988
125	159	15434	159	-70.5	-60.5	-79.1			109	259	10.3	13.8	113.29	1.90	1989	1988
100	141	16744	141	-74.5	-63.9	-84.0			98	257	8.4	12.8	114.19	2.27	1989	1978
80	116	18062	116	-70.1	-55.5	-81.9			75	253	4.6	11.8	118.66	3.51	1988	1988
70	104	18879	104	-65.0	-49.1	-76.0			68	254	2.5	11.8	138.61	3.36	1988	1978
60	90	19828	90	-59.9	-44.3	-72.0			55	256	2.0	11.5	157.65	2.66	1988	1978
50	72	20987	72	-55.4	-42.9	-68.0			39	210	1.0	11.5	187.37	4.79	1987	1978
40	45	22452	45	-51.5	-39.1	-59.5			23	217	1.8	12.7	227.91	4.10	1987	1990
30	33	24342	33	-47.7	-33.1	-57.5			17	176	2.4	10.9	273.26	5.42	1987	1980
25	23	25506	23	-47.0	-41.9	-56.3			11	156	4.5	13.1	266.01	3.11	1988	1980
20	19	27016	19	-44.5	-37.5	-51.1			7	202	7.5	14.3			1988	1990
15	11	28873	11	-43.6	-39.1	-48.7			6	170	4.9	15.5			1986	1989
10	5	31541	5	-40.5	-35.1	-42.5			3	348	3.2	20.3			1986	1986
7	1	34180	1	-37.1	-37.1	-37.1			1	176	18.0	18.0			1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
326	557	503	1	162	1345	-76.1	130	103	1664	-75.9

NORMALS OF RADIOSONDE DATA

42724 AGARTALA

NOVEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	358	1011	358	17.8	25.4	9.6	358	16.9	358	077	0.1	0.2	1.04	1.31	1990	1982
1000	326	114	323	18.7	25.2	10.6	323	16.4	319	041	1.3	2.3	8.89	1.02	1987	1982
950	323	543	323	20.8	27.8	12.0	322	13.8	319	033	1.9	3.4	14.12	0.93	1987	1980
900	323	1024	323	18.9	27.4	8.8	320	10.1	319	005	0.9	3.5	10.00	1.06	1981	1982
850	322	1513	322	16.0	25.2	8.4	306	6.2	318	278	1.0	4.0	11.13	1.27	1989	1982
800	322	2027	322	13.2	22.0	4.8	278	3.0	318	264	2.1	4.7	12.65	1.56	1983	1982
750	322	2560	322	10.3	19.2	-4.5	240	-1.6	318	263	3.4	5.8	11.69	1.71	1983	1982
700	322	3139	322	7.4	15.6	-1.9	190	-4.8	318	266	5.1	7.1	15.63	1.54	1987	1988
650	317	3738	317	4.6	12.8	-5.1	128	-6.8	298	271	6.7	8.7	18.13	1.41	1987	1988
600	307	4392	307	1.3	9.4	-8.7	84	-9.3	274	272	8.8	10.6	20.47	1.28	1990	1988
550	304	5105	303	-2.6	6.0	-12.9	66	-12.5	257	272	11.1	12.4	21.32	1.23	1987	1988
500	301	5838	301	-6.9	2.8	-17.7	52	-15.4	252	272	12.8	14.4	22.99	1.28	1987	1988
450	292	6658	292	-11.6	-0.9	-20.9	45	-18.9	225	269	15.1	16.7	27.62	1.39	1986	1983
400	283	7550	282	-17.2	-8.7	-27.7	35	-25.9	215	267	16.9	18.8	26.79	1.29	1986	1983
350	258	8543	257	-23.4	-14.9	-35.1	22	-31.3	175	265	19.7	21.8	30.88	1.35	1986	1983
300	237	9656	236	-30.7	-22.1	-40.1	15	-39.2	162	264	22.4	24.4	37.61	1.57	1986	1983
250	206	10928	206	-39.9	-30.1	-48.0	3	-48.4	142	263	24.6	26.7	44.74	2.06	1986	1978
200	184	12413	184	-51.4	-41.9	-58.9			131	264	25.8	28.1	62.28	2.63	1979	1983
175	149	13275	149	-57.9	-49.1	-66.1			103	265	24.8	27.5	70.08	2.58	1989	1980
150	130	14231	130	-64.4	-53.1	-73.7			92	265	24.7	27.8	80.93	3.29	1989	1980
125	101	15325	101	-70.5	-52.5	-79.1			67	263	23.1	25.2	101.93	3.63	1981	1979
100	82	16628	82	-74.9	-57.9	-83.9			54	263	19.6	22.0	115.87	3.18	1989	1979
80	59	17929	59	-72.2	-57.9	-86.0			36	271	13.0	16.3	122.04	3.44	1989	1978
70	48	18741	48	-69.1	-55.9	-83.0			30	268	11.1	16.4	150.18	4.18	1989	1978
60	34	19647	34	-64.5	-51.3	-73.0			21	259	6.0	15.2	160.12	3.86	1981	1978
50	27	20794	27	-57.4	-46.3	-64.7			15	261	5.5	14.8	159.73	3.47	1981	1979
40	19	22207	19	-52.9	-40.7	-59.9			10	192	2.7	14.8			1981	1979
30	14	24064	14	-49.5	-36.9	-56.3			8	263	6.9	14.1			1981	1979
25	9	25165	9	-49.3	-44.3	-54.9			4	184	6.8	9.3			1989	1979
20	6	26738	6	-46.7	-40.7	-52.5			1	159	11.0	11.0			1989	1979
15	2	28748	2	-44.9	-41.1	-48.7			1	054	32.0	32.0			1989	1979
10	1	31304	1	-46.9	-46.9	-46.9			1	044	10.0	10.0			1979	1979

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

305	583	462						1	157	1380	-71.3						71	101	1665	-76.1
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NORMALS OF RADIOSONDE DATA

42724 AGARTALA

DECEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	361	1014	361	12.7	22.0	6.4	361	11.7	361	028	0.0	0.1	0.7	1.15	1981	1983
1000	344	133	344	14.3	22.0	9.0	344	11.6	342	032	1.6	2.6	6.36	1.21	1981	1978
950	344	556	344	17.0	24.8	9.8	340	9.7	342	033	1.7	3.1	13.85	0.99	1990	1989
900	344	1031	344	15.0	26.4	6.2	331	5.6	342	003	1.0	3.3	7.24	0.86	1990	1979
850	344	1514	344	12.6	23.0	2.6	284	1.3	342	300	1.3	4.0	8.55	1.05	1990	1979
800	344	2022	344	10.3	19.4	2.6	230	-3.3	341	288	2.7	4.8	9.88	1.08	1990	1983
750	344	2556	344	8.2	17.6	0.6	168	-6.1	341	234	4.8	6.7	9.72	1.05	1990	1979
700	344	3123	344	5.8	17.0	-2.7	122	-8.3	342	284	6.8	8.5	12.01	1.19	1990	1979
650	337	3725	337	3.0	15.0	-6.1	88	-10.2	314	282	8.2	10.3	11.60	1.28	1990	1979
600	331	4373	331	-0.2	10.6	-9.7	57	-13.1	293	281	13.2	12.0	15.74	1.30	1990	1989
550	319	5083	319	-4.0	5.0	-12.3	40	-15.9	268	281	12.4	14.3	15.65	1.24	1990	1986
500	307	5811	307	-8.5	1.8	-17.7	37	-18.9	253	279	14.2	16.4	22.06	1.14	1988	1988
450	296	6625	296	-13.5	-1.9	-23.1	37	-24.1	235	277	17.3	19.4	21.21	1.26	1988	1979
400	282	7507	282	-19.3	-7.9	-32.5	25	-28.3	225	276	20.3	22.7	29.35	1.36	1988	1988
350	266	8489	266	-25.8	-11.5	-37.7	18	-34.2	205	276	23.7	26.4	28.23	1.54	1988	1981
300	250	9587	250	-33.3	-20.5	-43.7	11	-40.2	195	276	27.6	29.8	37.08	1.78	1989	1979
250	229	10845	229	-42.3	-29.5	-54.1	1	-50.1	170	273	30.0	32.3	49.94	2.09	1989	1979
200	199	12322	199	-52.5	-39.1	-61.9			143	272	31.6	34.3	70.17	1.83	1989	1981
175	168	13171	168	-58.1	-43.1	-67.9			111	271	31.9	34.6	71.76	2.08	1989	1981
150	140	14132	140	-63.2	-51.3	-73.5			85	273	30.9	34.2	78.33	2.42	1989	1981
125	105	15246	105	-67.6	-55.5	-77.9			54	267	29.1	31.7	89.42	2.47	1989	1985
100	89	16568	89	-71.9	-57.5	-81.1			41	274	24.8	26.6	137.83	2.37	1989	1985
80	65	17889	65	-70.6	-57.1	-80.5			22	277	13.2	22.9	111.07	3.21	1989	1979
70	54	18705	54	-67.9	-55.1	-78.1			16	262	20.4	22.9	126.41	4.33	1989	1979
60	47	19648	47	-63.9	-52.1	-75.0			13	262	17.0	22.8	136.43	4.86	1988	1978
50	35	20793	35	-59.1	-44.7	-70.1			10	269	16.1	22.1	189.99	5.16	1988	1979
40	27	22200	27	-54.2	-41.3	-65.5			7	242	6.5	19.4	270.45	5.55	1988	1979
30	18	24150	18	-47.5	-37.5	-55.5			2	093	11.0	17.0			1988	1980
25	16	25382	16	-44.0	-33.1	-53.7			2	075	26.2	28.5			1989	1981
20	11	26887	11	-44.2	-31.3	-52.1			1	091	23.0	23.0			1988	1981
15	7	28805	7	-41.7	-28.7	-51.1									1988	1981
10	4	31472	4	-41.8	-35.3	-48.1									1989	1989
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
335	606	430	2	162	1358	-64.9	68	097	1678	-73.0

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	619	1008	619	13.8	22.0	6.0	619	7.9	618	035	2.0	2.7	0.77	1.13	1974	1973
<i>1000</i>	557	121	556	15.1	26.0	8.0	547	7.3	507	039	2.8	3.7	6.22	1.12	1974	1977
<i>950</i>	557	551	555	18.9	28.8	9.0	509	3.6	495	048	4.0	6.5	17.72	1.33	1968	1978
<i>900</i>	557	1023	556	16.4	27.6	7.0	479	1.3	496	027	1.5	5.2	7.20	1.47	1988	1978
<i>850</i>	557	1507	557	13.8	25.6	-5.0	428	-1.4	493	280	1.8	5.1	8.67	1.40	1988	1974
<i>800</i>	554	2015	554	11.4	22.6	3.2	348	-4.2	481	267	3.9	6.3	10.23	1.40	1988	1981
<i>750</i>	553	2549	549	8.7	19.6	-1.0	287	-7.1	480	264	5.6	7.8	13.81	1.44	1988	1975
<i>700</i>	552	3118	548	5.8	16.0	-5.0	241	-10.8	483	268	7.3	9.3	14.14	1.32	1974	1978
<i>650</i>	541	3722	539	2.5	14.0	-7.0	203	-14.1	471	268	10.0	11.6	19.84	1.28	1974	1978
<i>600</i>	538	4365	538	-1.2	6.4	-12.0	191	-17.5	463	269	12.6	14.1	17.81	1.30	1988	1978
<i>550</i>	531	5054	529	-5.2	6.0	-14.9	171	-21.1	459	271	15.7	17.1	20.38	1.55	1974	1982
<i>500</i>	520	5796	517	-9.9	-1.5	-19.0	172	-25.3	450	271	19.3	20.7	23.87	1.61	1989	1976
<i>450</i>	506	6601	505	-15.1	-6.5	-26.0	172	-30.0	438	272	23.1	24.5	27.37	1.88	1990	1971
<i>400</i>	492	7484	492	-21.0	-10.9	-31.0	165	-35.1	419	272	27.1	28.6	33.26	2.16	1990	1971
<i>350</i>	471	8457	469	-27.5	-17.0	-40.0	151	-41.3	397	272	30.9	32.7	40.78	2.31	1977	1972
<i>300</i>	458	9554	455	-34.6	-24.0	-48.0	135	-48.0	365	272	35.1	37.2	50.66	2.71	1977	1972
<i>250</i>	433	10805	428	-43.5	-31.3	-58.0	70	-55.4	313	269	37.7	40.0	63.47	2.90	1990	1972
<i>200</i>	384	12279	382	-53.6	-38.9	-67.0	1	-55.0	235	266	38.6	40.9	71.49	2.63	1987	1972
<i>175</i>	346	13126	343	-59.0	-46.7	-70.0			168	266	36.3	38.6	77.60	2.31	1990	1972
<i>150</i>	331	14079	328	-64.4	-53.3	-74.9			138	264	35.4	37.3	82.05	2.13	1979	1984
<i>125</i>	295	15174	295	-70.0	-58.7	-80.1			101	266	31.0	32.5	93.04	2.47	1990	1984
<i>100</i>	263	16484	263	-75.5	-65.5	-87.0			77	268	25.3	26.6	100.78	2.73	1985	1973
<i>80</i>	221	17768	221	-75.5	-59.0	-88.0			57	266	19.4	21.0	115.70	3.14	1974	1972
<i>70</i>	194	18553	194	-72.7	-56.0	-88.0			49	269	16.3	18.0	118.91	3.11	1974	1972
<i>60</i>	170	19473	170	-68.6	-57.5	-84.0			42	276	15.3	16.4	134.60	2.79	1983	1972
<i>50</i>	149	20601	149	-63.5	-48.7	-76.0			34	278	12.6	14.3	138.94	2.92	1983	1978
<i>40</i>	103	22009	103	-59.1	-45.1	-70.0			26	272	10.0	12.4	170.15	3.14	1983	1971
<i>30</i>	59	23871	59	-54.0	-40.5	-66.0			15	272	7.1	10.1	188.84	3.52	1983	1971
<i>25</i>	38	25037	38	-52.4	-39.7	-63.0			6	250	1.6	7.0	159.77	4.03	1990	1971
<i>20</i>	13	26535	13	-51.0	-44.5	-56.1			1	266	8.0	8.0			1979	1985
<i>15</i>	9	28476	9	-46.1	-40.5	-54.1									1979	1990
<i>10</i>	2	31176	2	-42.3	-34.5	-50.1									1979	1984
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

541	618	416		16	223	1156	-57.8		233	094	1691	-77.7
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NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	565	1006	565	15.9	25.0	6.0	565	8.5	565	013	1.6	2.7	1.12	1.34	1977	1974
1000	496	108	492	17.0	25.0	8.4	478	8.0	427	019	2.2	3.6	9.27	1.27	1977	1984
950	496	541	494	20.3	30.4	9.8	447	3.9	422	013	3.0	6.6	17.14	1.53	1990	1984
900	496	1013	495	17.8	28.0	6.0	425	1.1	418	342	1.9	5.7	8.56	1.48	1977	1972
850	496	1499	494	14.8	25.0	3.0	405	-1.5	416	283	2.7	5.7	9.22	1.54	1980	1972
800	496	2010	495	11.9	25.0	2.0	351	-4.1	421	272	4.3	6.7	9.32	1.47	1977	1972
750	496	2544	493	8.9	19.0	-3.0	304	-6.7	421	267	6.4	8.3	11.34	1.45	1977	1978
700	496	3114	493	5.7	14.4	-4.0	263	-9.9	427	266	8.4	10.1	11.94	1.49	1988	1972
650	489	3716	487	2.2	11.0	-8.5	243	-13.3	410	269	10.8	12.5	15.56	1.49	1988	1984
600	483	4358	482	-1.5	8.0	-12.0	229	-16.6	404	272	13.4	15.0	15.00	1.60	1985	1973
550	478	5046	475	-5.7	4.2	-14.0	213	-20.3	398	272	16.4	18.0	17.91	1.84	1985	1978
500	474	5787	473	-10.4	0.4	-19.0	203	-24.4	398	273	19.6	21.3	21.49	1.91	1985	1973
450	464	6590	464	-15.4	-4.3	-25.0	187	-29.4	388	273	23.2	25.1	26.38	2.21	1985	1978
400	453	7474	453	-21.1	-9.7	-31.0	169	-34.2	375	273	27.2	29.2	32.01	2.39	1985	1975
350	437	8447	435	-27.4	-15.5	-39.0	157	-40.2	352	273	30.9	33.1	39.75	2.60	1985	1978
300	417	9543	415	-34.5	-23.3	-48.0	129	-47.0	333	273	34.6	37.0	49.96	2.72	1985	1974
250	388	10795	384	-42.8	-30.1	-56.7	73	-54.5	280	272	38.3	40.8	63.52	2.66	1984	1981
200	361	12270	360	-52.7	-42.9	-63.5	1	-59.0	232	271	39.6	42.1	76.72	2.37	1983	1988
175	317	13123	316	-58.3	-47.7	-69.0			166	271	38.1	40.8	80.37	2.46	1987	1972
150	285	14081	285	-64.3	-52.5	-74.0			119	268	36.0	38.1	85.00	3.16	1986	1972
125	249	15173	249	-70.4	-58.5	-83.0			79	268	32.3	33.8	94.00	3.18	1981	1972
100	220	16477	220	-75.9	-63.9	-89.0			66	271	27.1	28.3	110.49	3.17	1981	1972
80	174	17768	174	-76.1	-64.0	-89.0			48	268	23.2	24.6	138.08	3.30	1978	1972
70	158	18550	158	-73.4	-59.3	-89.0			42	269	17.0	19.0	143.07	3.84	1982	1972
60	135	19472	135	-69.6	-56.1	-89.0			33	275	12.5	15.3	154.00	4.04	1980	1972
50	105	20596	105	-64.4	-52.3	-76.0			25	267	8.7	11.1	174.99	3.47	1989	1972
40	69	21995	69	-59.4	-49.9	-70.0			11	269	6.0	8.5	207.99	3.57	1987	1977
30	38	23840	38	-54.7	-39.3	-65.0			3	274	8.4	9.0	243.89	4.62	1981	1973
25	25	25061	25	-52.9	-44.7	-62.0			2	265	9.0	9.5	252.80	3.19	1987	1973
20	13	26601	13	-50.2	-45.3	-55.3			1	301	8.0	8.0			1987	1985
15	8	28477	7	-49.1	-44.3	-53.3									1984	1985
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
486	620	410	17	219	1163	-56.8	183	095	1687	-78.0

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	520	1004	620	20.8	29.0	11.0	620	10.9	620	331	1.7	2.7	0.81	1.05	1973	1972
1000	547	91	540	21.3	28.0	12.2	524	10.4	473	340	2.2	3.7	6.22	0.89	1974	1980
950	547	530	544	24.4	33.0	12.8	478	6.5	471	342	4.2	6.9	16.32	1.62	1973	1979
900	547	1010	546	21.9	32.0	9.0	460	3.2	474	324	3.5	6.2	6.57	1.67	1987	1983
850	547	1501	546	18.4	27.6	6.2	450	0.4	474	292	3.4	5.9	7.95	1.64	1985	1982
800	547	2017	544	14.7	25.0	4.6	423	-2.4	473	272	4.6	6.5	9.67	1.59	1973	1982
750	547	2553	543	11.1	19.8	1.0	384	-5.2	472	265	6.2	7.8	9.31	1.44	1985	1971
700	547	3129	543	7.2	15.8	-3.0	347	-8.0	473	262	7.4	9.0	13.62	1.39	1979	1971
650	536	3733	534	3.3	15.0	-6.0	308	-11.2	469	265	8.8	10.6	16.02	1.40	1974	1971
600	530	4379	528	-0.7	8.6	-11.0	283	-14.6	465	268	10.4	12.2	16.74	1.37	1988	1971
550	523	5065	520	-5.1	4.8	-18.0	265	-19.3	455	269	12.4	14.1	19.10	1.36	1985	1974
500	512	5812	508	-9.8	0.2	-19.0	234	-23.7	448	271	14.8	16.6	21.39	1.46	1988	1978
450	505	6614	497	-15.2	-3.9	-26.0	226	-28.3	440	272	17.2	19.0	25.52	1.70	1990	1978
400	493	7499	485	-21.3	-9.3	-32.0	205	-33.5	429	273	20.2	22.4	29.16	1.94	1990	1978
350	472	8472	467	-27.9	-15.1	-38.0	187	-39.7	401	274	23.6	26.0	35.92	2.27	1990	1972
300	456	9567	454	-35.1	-22.3	-45.0	156	-46.9	386	274	26.7	29.3	42.14	2.52	1990	1972
250	434	10816	431	-43.4	-31.9	-55.0	96	-54.8	354	271	30.0	32.9	54.54	2.52	1980	1972
200	397	12290	393	-52.3	-42.7	-64.0	3	-58.7	304	269	30.3	33.3	66.99	1.69	1983	1976
175	366	13145	363	-57.4	-46.0	-68.0			258	271	29.2	32.1	70.93	1.61	1976	1977
150	336	14106	335	-63.1	-53.3	-75.0			220	269	27.0	29.5	77.67	1.89	1989	1978
125	291	15208	291	-68.9	-56.9	-81.9			171	268	23.9	26.5	82.29	2.20	1980	1982
100	255	16521	255	-74.0	-60.1	-85.0			145	268	19.4	21.5	93.75	2.81	1982	1978
80	218	17821	218	-74.7	-58.9	-85.9			116	273	13.6	15.4	111.19	3.17	1982	1981
70	194	18601	194	-72.4	-56.0	-86.0			103	274	11.5	13.7	123.62	3.16	1972	1978
60	175	19521	175	-68.1	-51.9	-82.0			90	275	8.5	10.5	129.96	3.08	1983	1973
50	133	20642	133	-63.2	-50.5	-74.9			62	274	6.4	8.4	138.17	3.33	1989	1990
40	89	22056	89	-58.1	-47.7	-75.1			32	291	4.6	8.1	150.15	3.93	1989	1990
30	55	23868	55	-54.4	-47.0	-73.7			14	034	1.9	6.8	157.90	3.54	1978	1990
25	41	25063	41	-52.0	-44.0	-71.1			11	037	3.5	6.5	198.83	4.76	1977	1990
20	24	26513	24	-49.8	-43.1	-68.1			7	085	6.4	8.0	196.09	5.04	1980	1990
15	15	28367	15	-48.0	-40.3	-64.3			4	105	6.2	6.8			1980	1990
10	5	31068	5	-46.2	-39.5	-58.5									1980	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
529	608	426	29	234	1125	-53.3	229	095	1690	-76.5

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	600	1001	600	25.3	30.8	18.6	600	16.3	600	305	2.2	2.8	0.89	0.82	1988	1989
1000	531	64	389	25.2	31.4	18.6	377	15.1	331	312	3.0	3.5	7.38	0.83	1979	1989
950	532	509	531	27.5	40.0	17.8	486	10.3	446	311	6.6	7.9	14.43	1.67	1979	1981
900	532	993	531	25.9	36.4	13.6	449	6.0	447	301	6.0	7.5	5.93	1.50	1979	1983
850	532	1491	532	22.4	32.0	12.0	435	3.5	454	287	4.9	6.4	6.81	1.37	1973	1973
800	532	2014	532	18.4	27.0	8.4	426	0.7	456	271	4.6	6.1	7.59	1.36	1973	1981
750	532	2555	531	14.2	23.0	5.2	407	-2.7	457	260	4.9	6.8	13.11	1.36	1973	1981
700	532	3138	529	9.8	17.8	-7.0	359	-6.3	455	257	5.7	7.8	11.92	1.38	1990	1974
650	525	3745	521	5.7	13.8	-4.1	317	-9.9	448	259	6.8	9.0	15.08	1.38	1989	1984
600	521	4397	517	1.4	11.8	-10.9	278	-13.6	443	262	7.6	9.7	17.19	1.48	1989	1984
550	516	5089	511	-3.1	7.4	-14.7	240	-18.0	440	267	8.7	10.8	21.66	1.60	1990	1984
500	508	5839	504	-8.0	3.2	-22.0	220	-22.6	436	269	9.9	12.0	23.08	1.66	1990	1974
450	504	6646	503	-13.4	-1.1	-24.0	226	-27.3	431	272	11.9	13.9	28.73	1.72	1987	1972
400	498	7537	496	-19.4	-8.3	-30.0	213	-31.9	422	273	14.6	16.8	32.14	1.82	1990	1972
350	480	8516	479	-26.3	-15.3	-35.9	193	-38.7	409	272	17.3	19.5	37.95	1.90	1990	1983
300	468	9618	467	-33.9	-23.5	-44.3	166	-46.1	394	271	20.8	23.2	43.79	2.03	1990	1983
250	441	10872	439	-42.5	-31.9	-53.1	96	-53.8	373	271	24.5	27.5	51.68	2.16	1983	1982
200	411	12350	411	-51.8	-41.9	-66.0	8	-57.9	343	266	26.1	29.0	62.61	1.98	1983	1974
175	389	13204	387	-57.0	-44.7	-69.7			303	265	25.6	28.6	68.26	2.01	1988	1981
150	365	14168	363	-62.4	-48.9	-74.9			274	265	24.4	27.0	77.77	2.33	1988	1981
125	337	15274	335	-68.4	-53.9	-87.1			238	264	20.7	23.2	86.34	2.73	1988	1981
100	316	16590	314	-74.1	-62.0	-89.3			210	264	16.7	19.3	101.87	2.67	1977	1981
80	281	17888	280	-74.9	-60.1	-88.1			169	266	10.5	13.8	111.00	2.57	1980	1981
70	260	18670	260	-71.9	-54.5	-84.0			147	261	6.4	11.2	123.01	2.32	1981	1973
60	231	19592	231	-67.1	-53.9	-81.0			128	266	4.1	9.5	127.06	2.95	1981	1973
50	195	20723	195	-61.2	-44.0	-78.0			105	274	2.4	8.6	138.32	2.83	1973	1974
40	143	22143	143	-55.7	-39.7	-76.0			72	292	2.7	7.8	163.34	3.83	1988	1974
30	94	24047	94	-50.1	-38.7	-59.9			38	043	1.5	6.1	191.95	2.70	1990	1983
25	69	25261	69	-47.0	-36.7	-57.1			21	062	3.6	6.1	171.52	3.27	1983	1983
20	37	26804	37	-42.9	-36.1	-53.3			6	102	6.6	7.5	132.92	2.90	1983	1983
15	15	28723	15	-40.1	-31.7	-49.5			1	299	4.0	4.0			1983	1985
10	4	31336	4	-40.5	-35.5	-46.1									1987	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

517 535 461 14 192 1274 -58.8 287 093 1709 -76.5

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	999	620	27.5	32.2	21.4	619	21.8	620	271	2.2	2.8	0.97	0.57	1990	1982
<i>1000</i>	530	46	175	27.1	30.4	21.4	173	21.2	148	282	2.5	3.1	9.17	0.77	1987	1982
<i>950</i>	533	489	530	26.8	35.0	19.8	520	16.8	465	283	6.2	7.5	19.53	1.17	1972	1982
<i>900</i>	533	974	531	26.4	36.0	15.0	499	9.8	469	281	6.5	7.6	9.58	0.86	1974	1971
<i>850</i>	533	1475	532	24.0	34.0	15.8	477	5.9	467	273	5.7	6.7	9.12	1.07	1974	1982
<i>800</i>	532	2000	530	20.5	28.0	2.0	455	3.0	466	267	4.9	6.2	8.58	1.09	1973	1974
<i>750</i>	532	2548	528	16.5	23.0	7.0	436	-0.7	465	264	4.3	6.2	11.08	1.24	1973	1979
<i>700</i>	530	3133	527	12.0	19.4	2.4	408	-4.2	461	264	3.9	6.5	8.93	1.33	1990	1979
<i>650</i>	523	3747	520	7.6	15.4	0.0	356	-7.9	454	274	3.5	6.7	14.99	1.34	1990	1972
<i>600</i>	519	4400	515	3.3	11.8	-4.0	294	-11.4	447	286	3.5	6.7	10.49	1.34	1990	1972
<i>550</i>	517	5098	515	-0.8	8.4	-9.3	244	-16.1	446	295	4.1	7.0	15.53	1.44	1989	1982
<i>500</i>	510	5855	504	-5.5	3.8	-13.0	199	-20.7	439	296	5.4	8.1	15.03	1.58	1990	1972
<i>450</i>	499	6672	495	-10.6	-1.1	-20.3	181	-26.1	431	294	6.6	9.5	18.93	1.58	1990	1987
<i>400</i>	494	7571	491	-16.4	-5.5	-26.0	159	-31.6	425	288	8.1	11.1	24.63	1.73	1990	1972
<i>350</i>	482	8562	482	-22.9	-12.1	-33.0	138	-37.4	416	282	10.1	12.9	31.79	2.00	1990	1972
<i>300</i>	469	9679	467	-30.3	-18.1	-41.3	124	-44.3	403	275	12.3	14.7	40.55	1.97	1990	1987
<i>250</i>	452	10953	448	-39.1	-27.9	-50.7	88	-51.9	391	269	14.0	16.6	51.98	1.97	1990	1987
<i>200</i>	419	12448	415	-49.7	-39.7	-59.1	2	-58.0	355	264	14.7	17.6	64.13	1.82	1990	1984
<i>175</i>	397	13310	394	-55.7	-46.0	-68.0			299	263	14.5	17.1	70.39	1.91	1978	1972
<i>150</i>	372	14276	371	-62.3	-53.0	-72.0			264	260	13.4	15.9	78.12	2.11	1978	1973
<i>125</i>	338	15380	337	-69.3	-58.5	-80.1			218	253	10.9	13.8	89.47	2.57	1987	1979
<i>100</i>	302	16685	301	-75.2	-63.9	-87.5			177	240	6.0	10.9	100.88	2.53	1987	1979
<i>80</i>	269	17978	268	-74.9	-60.9	-86.1			157	221	2.1	9.3	111.80	2.61	1982	1984
<i>70</i>	256	18764	255	-71.2	-56.3	-81.9			149	109	1.6	8.5	117.01	2.97	1982	1984
<i>60</i>	232	19695	232	-65.7	-51.9	-77.0			132	091	3.2	8.8	120.43	2.83	1982	1975
<i>50</i>	209	20826	209	-59.6	-46.1	-76.0			116	087	5.2	9.8	131.59	3.24	1989	1975
<i>40</i>	161	22246	160	-53.7	-42.1	-67.0			79	089	7.5	9.5	151.84	3.29	1982	1974
<i>30</i>	122	24133	122	-48.4	-37.5	-66.0			54	089	10.0	11.2	168.38	3.71	1990	1973
<i>25</i>	86	25334	86	-45.3	-34.7	-55.9			39	093	9.6	12.1	183.84	2.65	1982	1985
<i>20</i>	44	26872	44	-42.9	-34.1	-52.9			21	094	11.6	12.3	141.51	2.09	1990	1985
<i>15</i>	23	28760	23	-40.8	-29.3	-49.1			5	080	11.4	13.4	246.64	3.23	1990	1985
<i>10</i>	9	31385	9	-38.9	-32.1	-43.7			1	154	7.0	7.0			1982	1985
<i>7</i>	2	33871	2	-32.5	-29.9	-35.1			1	312	3.0	3.0			1982	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
515	551	494					281	095	1701	-77.3

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	995	589	28.2	33.4	24.0	589	24.4	589	231	2.1	2.8	0.89	0.68	1988	1973
<i>1000</i>	523	13	12	28.8	30.4	26.0	12	23.9	9	293	2.3	2.7	6.81		1979	1976
<i>950</i>	524	456	523	25.7	34.4	19.4	521	22.1	482	242	5.6	7.1	18.70	1.03	1979	1985
<i>900</i>	524	938	523	23.3	32.4	13.6	519	18.5	484	248	6.7	8.2	8.35	1.41	1982	1984
<i>850</i>	524	1435	523	21.3	30.0	12.8	517	14.8	486	243	5.5	7.4	9.58	1.60	1977	1984
<i>800</i>	524	1957	523	19.1	27.8	10.6	505	10.3	484	238	3.6	6.6	11.87	1.34	1987	1980
<i>750</i>	524	2506	523	16.5	26.0	8.0	488	5.6	481	242	1.8	6.4	14.35	0.97	1981	1974
<i>700</i>	524	3092	523	12.9	20.0	5.0	476	1.6	480	292	0.4	6.4	13.72	0.89	1973	1974
<i>650</i>	521	3709	517	8.6	16.0	0.0	451	-2.0	472	026	1.1	6.5	16.19	0.91	1971	1974
<i>600</i>	510	4365	505	4.3	12.0	-4.0	424	-5.9	455	032	2.1	6.6	15.63	1.03	1971	1974
<i>550</i>	504	5068	502	0.1	7.0	-10.3	379	-9.6	446	029	2.4	6.6	17.94	1.09	1977	1982
<i>500</i>	500	5826	495	-3.7	5.2	-13.7	319	-13.9	445	026	2.3	6.6	18.76	1.14	1982	1984
<i>450</i>	491	6652	488	-7.5	-0.7	-17.0	262	-17.9	438	032	2.4	6.8	22.87	1.19	1987	1972
<i>400</i>	488	7564	485	-12.4	-4.9	-20.1	236	-22.9	438	033	2.2	7.1	23.20	1.16	1987	1983
<i>350</i>	478	8570	477	-18.7	-10.7	-30.0	208	-29.0	425	037	2.1	7.3	26.37	1.21	1987	1974
<i>300</i>	459	9710	459	-26.3	-19.1	-35.1	185	-36.8	410	043	1.6	7.8	28.49	1.18	1985	1981
<i>250</i>	439	11006	437	-35.9	-26.1	-45.3	144	-45.9	383	070	1.7	8.5	34.44	1.28	1985	1981
<i>200</i>	421	12521	418	-47.8	-39.9	-56.7	30	-55.4	359	091	2.8	9.3	44.61	1.44	1981	1981
<i>175</i>	404	13391	402	-54.9	-46.3	-64.0	1	-57.0	313	102	4.3	9.8	50.04	1.71	1990	1972
<i>150</i>	381	14357	380	-62.8	-53.7	-73.3			276	098	5.7	10.6	54.51	1.86	1990	1981
<i>125</i>	350	15456	349	-71.2	-60.9	-84.0			240	092	7.7	11.8	67.19	2.33	1990	1972
<i>100</i>	319	16752	319	-77.8	-66.7	-88.0			218	085	10.7	13.5	83.51	2.51	1990	1972
<i>80</i>	282	18035	282	-76.5	-62.3	-87.0			189	086	12.9	15.0	99.66	2.79	1982	1972
<i>70</i>	261	18815	260	-72.3	-56.5	-85.0			172	085	13.8	15.1	107.26	2.94	1982	1972
<i>60</i>	239	19740	239	-66.4	-51.7	-81.0			155	082	14.9	16.0	114.16	3.11	1990	1972
<i>50</i>	204	20866	204	-59.9	-44.3	-73.0			128	084	15.3	16.3	131.62	3.06	1990	1973
<i>40</i>	149	22286	149	-54.3	-40.9	-68.0			82	088	15.8	16.7	136.00	2.98	1982	1978
<i>30</i>	95	24170	95	-48.1	-36.9	-58.0			48	086	17.4	18.3	167.52	3.85	1983	1976
<i>25</i>	73	25364	73	-45.9	-34.1	-58.0			34	089	19.1	20.1	177.41	4.78	1990	1971
<i>20</i>	31	26892	31	-42.9	-34.9	-51.5			14	095	16.4	16.7	173.13	3.70	1990	1988
<i>15</i>	13	28797	13	-43.8	-39.1	-50.1			5	074	12.0	15.4			1983	1988
<i>10</i>	9	31472	9	-41.3	-37.1	-48.5			4	085	13.8	14.2			1982	1988
<i>7</i>	6	33892	6	-37.3	-33.9	-40.9			3	080	19.2	20.6			1982	1983

FREEZING LEVEL

N P ALT

503 547 511

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

289 096 1699 -79.8

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	995	619	26.6	32.0	23.0	619	24.5	619	235	2.4	2.8	1.14	0.63	1974	1971
<i>1000</i>	567	8	4	26.9	28.8	25.0	4	23.7	4	242	1.2	1.3	9.31		1987	1986
<i>950</i>	568	451	568	24.3	32.0	20.0	567	22.5	521	248	6.9	7.8	18.12	0.79	1974	1971
<i>900</i>	568	929	568	21.8	28.2	16.0	567	19.7	523	255	8.3	9.2	9.91	0.99	1988	1980
<i>850</i>	568	1423	568	19.2	26.0	12.8	567	17.2	524	252	7.6	8.7	10.41	1.12	1976	1984
<i>800</i>	567	1943	566	16.8	24.6	7.0	559	14.2	525	246	6.1	7.8	11.11	1.17	1979	1972
<i>750</i>	566	2489	564	15.0	24.4	7.0	554	9.4	527	251	4.3	6.9	12.28	1.10	1979	1972
<i>700</i>	566	3073	563	12.7	21.8	4.8	540	5.2	529	275	2.8	6.4	13.03	1.04	1979	1984
<i>650</i>	555	3691	549	9.3	19.8	2.0	523	1.3	507	307	1.9	6.2	14.81	0.95	1987	1975
<i>600</i>	549	4350	542	5.4	12.0	-2.0	519	-2.3	502	345	1.8	6.1	16.32	1.01	1972	1972
<i>550</i>	543	5057	538	1.4	9.0	-7.0	500	-5.6	493	017	1.9	5.8	17.67	1.13	1988	1972
<i>500</i>	539	5817	535	-2.6	6.0	-10.5	485	-9.6	486	042	2.1	5.7	20.37	1.10	1988	1985
<i>450</i>	531	6646	523	-6.7	6.0	-16.1	460	-14.1	479	064	2.8	5.6	22.89	1.13	1977	1984
<i>400</i>	526	7559	521	-11.7	-3.7	-22.0	435	-19.7	472	074	3.5	6.2	26.00	1.18	1979	1973
<i>350</i>	517	8570	513	-17.8	-10.3	-28.1	392	-26.2	452	079	5.0	6.9	30.26	1.19	1979	1983
<i>300</i>	508	9711	504	-25.6	-17.1	-38.1	338	-34.2	436	083	6.8	8.3	33.95	1.30	1990	1983
<i>250</i>	480	11010	477	-35.4	-26.1	-44.7	239	-43.6	405	084	8.9	9.9	40.76	1.53	1990	1981
<i>200</i>	463	12529	460	-47.7	-39.9	-62.1	30	-55.9	384	089	12.2	13.4	55.00	1.85	1990	1981
<i>175</i>	430	13398	428	-55.1	-45.3	-70.1	1	-59.0	327	091	14.4	15.5	60.45	2.05	1988	1981
<i>150</i>	407	14367	405	-63.3	-53.3	-79.9			289	089	16.4	17.6	66.55	2.11	1990	1981
<i>125</i>	374	15461	373	-71.4	-61.9	-82.5			245	087	19.8	21.0	78.81	2.21	1981	1986
<i>100</i>	333	16759	331	-77.1	-67.9	-87.0			212	086	22.3	23.4	86.97	2.30	1981	1973
<i>80</i>	286	18045	286	-74.6	-60.3	-89.0			177	084	22.0	22.8	101.14	3.22	1989	1972
<i>70</i>	270	18832	270	-70.5	-56.1	-84.0			167	083	21.5	22.2	109.04	3.39	1989	1973
<i>60</i>	236	19761	234	-65.5	-51.1	-79.3			147	082	20.8	21.3	123.20	3.58	1981	1980
<i>50</i>	197	20894	197	-60.0	-45.3	-72.0			118	085	20.2	20.8	136.89	3.78	1981	1971
<i>40</i>	154	22316	154	-54.5	-39.5	-68.0			87	083	21.5	22.2	146.48	3.67	1989	1973
<i>30</i>	88	24191	88	-49.8	-34.5	-60.0			44	088	23.1	23.7	165.68	3.68	1981	1973
<i>25</i>	57	25369	57	-48.1	-36.9	-59.0			28	093	21.1	23.0	175.16	3.37	1981	1973
<i>20</i>	31	26917	31	-45.0	-35.9	-53.1			12	088	22.9	23.2	193.59	3.63	1990	1985
<i>15</i>	19	28819	19	-42.8	-32.1	-49.5			1	095	22.9	23.0			1980	1985
<i>10</i>	7	31547	7	-38.9	-35.5	-43.7									1983	1982
<i>7</i>	2	34273	2	-35.9	-33.1	-38.7									1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

538 532 532

4 121 1575 -74.1

305 101 1677 -78.7

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	614	996	614	25.7	29.4	23.0	614	23.9	614	247	2.3	2.7	0.92	0.61	1987	1972
1000	550	19	17	25.3	27.0	24.2	17	23.8	9	265	1.8	2.1	6.71		1979	1979
950	550	460	550	23.5	28.4	18.0	548	21.5	488	260	6.5	7.3	16.05	0.73	1987	1971
900	550	938	549	21.1	28.0	14.0	548	18.8	495	264	7.4	8.4	7.98	0.92	1987	1971
850	550	1431	549	18.7	26.2	11.0	548	16.4	502	255	6.1	7.5	8.73	1.09	1987	1971
800	550	1950	549	16.4	23.8	9.0	545	13.5	502	251	4.5	6.7	11.16	1.15	1979	1971
750	550	2496	549	14.6	21.6	7.0	540	9.3	504	266	2.6	5.9	12.01	0.93	1979	1971
700	550	3079	546	12.1	20.2	5.0	535	5.0	509	312	1.8	5.8	13.36	0.86	1986	1971
650	544	3696	540	8.6	16.4	1.0	523	1.1	495	349	2.3	6.0	15.75	0.88	1990	1978
600	536	4353	531	4.9	12.8	-3.0	498	-2.5	477	010	2.8	6.2	17.30	1.02	1990	1978
550	531	5059	527	1.1	8.6	-6.5	486	-6.0	466	021	3.1	6.2	19.06	1.20	1987	1982
500	523	5820	521	-2.6	4.0	-9.0	462	-9.9	461	042	3.3	6.4	21.12	1.04	1972	1977
450	515	6648	514	-6.8	10.0	-14.0	434	-14.2	451	056	3.4	6.3	23.94	1.12	1980	1977
400	503	7563	503	-12.0	-5.7	-18.1	397	-19.7	445	071	4.2	6.7	26.32	1.14	1989	1982
350	492	8573	491	-18.2	-9.7	-25.0	372	-26.3	432	079	5.2	7.1	28.97	1.18	1989	1974
300	485	9713	485	-25.9	-17.3	-34.0	335	-34.3	422	083	6.9	8.2	34.83	1.39	1988	1974
250	462	11010	460	-35.8	-27.1	-44.0	257	-43.6	404	086	9.0	10.2	41.58	1.75	1988	1974
200	436	12524	435	-48.4	-38.9	-58.0	47	-55.6	369	088	12.1	13.2	55.85	2.03	1986	1974
175	415	13390	414	-55.9	-46.7	-66.0			333	089	13.8	15.0	62.94	2.08	1986	1975
150	390	14353	389	-64.2	-55.0	-76.0			300	088	16.6	17.7	73.04	2.39	1971	1976
125	356	15444	356	-72.3	-60.5	-84.0			259	087	19.1	20.1	87.93	2.86	1983	1972
100	310	16734	310	-77.1	-63.3	-89.0			225	088	21.1	21.9	102.79	3.07	1981	1973
80	272	18023	272	-74.3	-57.9	-88.0			182	083	19.3	19.9	110.14	3.58	1982	1977
70	245	18816	245	-70.2	-55.1	-86.0			160	082	19.6	20.2	114.67	4.26	1986	1973
60	212	19748	212	-65.4	-48.7	-80.1			133	082	18.8	19.5	129.54	4.22	1986	1988
50	177	20877	177	-60.2	-46.9	-74.0			107	085	19.9	20.3	143.80	4.38	1986	1973
40	131	22278	130	-55.6	-42.9	-69.0			76	084	20.6	21.2	163.07	4.81	1982	1973
30	83	24180	83	-50.7	-35.1	-62.0			38	091	23.1	23.3	228.33	5.08	1982	1973
25	54	25376	54	-48.5	-29.9	-61.0			21	093	24.3	24.7	227.66	4.54	1982	1977
20	34	26840	34	-46.3	-39.1	-56.3			13	097	24.3	24.6	209.96	4.14	1983	1984
15	18	28720	18	-44.1	-34.3	-53.1			4	094	23.3	23.5			1983	1984
10	5	31254	5	-44.8	-40.1	-50.1									1983	1988
7	3	33735	3	-40.8	-35.5	-44.7									1983	1984

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
524	535	529					300	104	1657	-78.6

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	597	1000	597	25.4	31.0	20.0	597	23.1	597	273	1.5	2.2	1.05	0.81	1987	1972
1000	515	55	274	25.2	30.8	20.0	274	22.3	240	280	1.7	2.3	9.14	1.03	1987	1972
950	513	495	513	24.2	34.2	18.0	512	19.8	445	288	4.5	6.2	19.09	0.90	1987	1972
900	513	975	513	22.1	31.8	14.4	512	16.8	450	280	3.5	5.7	8.94	1.14	1987	1980
850	513	1470	513	19.4	28.2	10.0	511	13.8	455	259	2.0	5.1	8.80	1.23	1987	1977
800	513	1988	512	16.6	27.0	8.8	506	9.5	454	238	1.0	5.0	9.01	1.29	1987	1980
750	513	2534	512	13.5	26.0	5.8	487	4.7	454	173	0.1	5.1	9.92	1.29	1972	1989
700	513	3112	512	10.0	17.6	1.0	478	0.3	461	060	0.7	5.3	11.32	1.37	1988	1977
650	505	3726	504	6.5	15.0	-4.0	430	-3.6	452	039	1.0	5.2	12.96	1.38	1972	1976
600	498	4376	497	3.3	13.2	-6.0	362	-6.6	445	011	1.0	5.2	14.71	1.44	1987	1977
550	490	5079	489	0.1	9.0	-8.7	303	-10.3	437	001	1.1	5.3	16.39	1.31	1986	1985
500	481	5837	481	-3.6	4.0	-12.3	259	-14.9	429	359	0.7	5.3	19.42	1.28	1990	1985
450	473	6663	473	-8.1	0.0	-18.0	223	-19.4	420	347	0.3	5.6	21.67	1.42	1987	1972
400	461	7571	460	-13.5	-5.9	-23.0	207	-25.0	410	083	0.1	5.7	27.53	1.35	1987	1973
350	446	8576	444	-20.2	-12.0	-32.0	185	-31.4	394	148	0.4	6.0	30.82	1.47	1977	1973
300	430	9705	426	-28.0	-20.9	-40.0	158	-39.0	385	128	0.9	6.5	37.82	1.50	1988	1973
250	412	10990	409	-37.9	-29.5	-48.0	117	-48.2	365	138	1.9	7.9	46.49	1.61	1988	1977
200	391	12492	389	-50.2	-39.7	-60.3	8	-57.1	339	128	3.6	8.9	56.89	1.72	1988	1982
175	369	13353	366	-57.3	-47.7	-68.0			309	130	4.5	9.7	63.33	1.91	1988	1977
150	348	14310	348	-65.3	-55.5	-76.0			282	117	5.7	10.5	68.59	2.00	1989	1976
125	322	15395	320	-73.4	-63.7	-83.0			262	106	7.0	11.1	82.75	2.45	1989	1977
100	287	16680	286	-78.4	-66.7	-88.0			231	091	9.0	11.3	94.74	3.17	1984	1975
80	257	17969	257	-74.5	-61.5	-87.0			199	089	10.3	11.6	115.49	4.32	1989	1973
70	235	18764	235	-69.6	-55.0	-82.0			179	085	10.5	11.5	126.67	4.18	1976	1972
60	209	19697	209	-64.7	-48.0	-86.0			150	086	11.8	12.9	142.64	4.19	1976	1972
50	176	20835	176	-59.9	-45.3	-74.0			121	087	12.8	13.4	162.02	3.94	1988	1973
40	123	22242	123	-55.6	-41.3	-69.0			76	085	14.5	14.8	199.61	4.78	1986	1973
30	73	24131	73	-49.9	-36.9	-59.0			35	087	17.0	17.3	233.24	4.05	1988	1977
25	50	25335	50	-47.8	-35.7	-58.0			17	097	19.5	19.7	238.41	3.89	1989	1977
20	18	26804	18	-45.8	-40.1	-52.1			5	099	20.3	20.4			1983	1982
15	10	28864	10	-43.0	-35.7	-48.3									1983	1982
10	4	31567	4	-38.8	-34.9	-43.1									1982	1982
7	1	34492	1	-33.7	-33.7	-33.7									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
489	553	504					276	103	1660	-79.6

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	618	1004	618	22.6	29.0	15.0	618	18.1	617	002	0.9	1.8	1.10	0.92	1974	1983
<i>1000</i>	551	85	502	23.0	28.4	16.0	494	17.1	447	005	1.2	2.6	8.49	0.85	1982	1983
<i>950</i>	548	525	546	26.0	34.0	17.0	523	11.8	474	356	2.5	5.5	18.25	1.35	1972	1988
<i>900</i>	548	1008	548	23.5	33.8	15.2	508	8.1	479	004	1.5	4.6	10.55	1.28	1986	1988
<i>850</i>	548	1503	547	19.9	30.8	11.8	496	5.1	484	022	1.1	4.3	11.34	1.06	1986	1989
<i>800</i>	548	2022	547	15.9	26.0	7.4	491	2.0	483	038	0.8	4.3	12.07	0.79	1986	1989
<i>750</i>	548	2562	548	11.6	22.0	4.0	472	-1.1	488	038	0.8	4.6	12.65	0.62	1986	1989
<i>700</i>	548	3138	546	8.2	18.0	0.0	398	-4.3	488	023	0.7	4.8	12.47	0.84	1977	1972
<i>650</i>	541	3747	538	5.1	15.0	-4.1	297	-8.1	473	346	1.3	5.2	12.27	1.12	1977	1988
<i>600</i>	534	4394	531	2.2	12.0	-10.3	234	-12.0	463	325	2.2	5.9	11.35	1.36	1977	1982
<i>550</i>	525	5033	521	-1.2	8.0	-10.0	175	-16.4	466	314	3.1	6.5	12.46	1.46	1977	1972
<i>500</i>	519	5846	516	-5.4	5.4	-14.0	158	-20.5	466	300	4.3	7.7	14.56	1.54	1987	1972
<i>450</i>	506	6666	500	-10.4	-1.7	-18.0	141	-25.2	455	291	5.4	8.6	16.57	1.57	1989	1972
<i>400</i>	497	7565	492	-16.1	-5.7	-24.0	133	-30.2	444	282	7.2	10.4	21.76	1.61	1989	1972
<i>350</i>	489	8557	485	-22.7	-11.9	-32.0	124	-36.2	436	274	8.8	11.7	26.65	1.59	1984	1978
<i>300</i>	472	9674	468	-30.6	-20.1	-40.3	117	-43.4	420	266	11.0	13.5	31.63	1.66	1989	1982
<i>250</i>	444	10947	439	-39.9	-29.7	-49.0	75	-51.2	391	258	12.7	15.2	39.41	1.58	1989	1972
<i>200</i>	422	12436	419	-51.6	-41.5	-62.1	3	-55.0	356	251	14.1	16.6	48.92	1.75	1989	1981
<i>175</i>	393	13292	393	-58.3	-48.3	-69.0			299	247	14.4	17.0	56.22	1.85	1989	1978
<i>150</i>	366	14245	365	-65.7	-54.9	-75.0			266	243	13.2	15.8	60.81	1.89	1990	1977
<i>125</i>	339	15327	337	-72.9	-61.9	-84.0			239	240	10.8	14.0	73.75	2.40	1984	1977
<i>100</i>	315	16616	315	-77.2	-65.9	-90.0			215	235	6.9	10.7	86.98	3.69	1985	1973
<i>80</i>	280	17912	280	-73.8	-55.5	-85.1			185	209	2.0	8.4	109.39	4.88	1985	1990
<i>70</i>	264	18699	264	-69.5	-51.1	-84.1			180	137	1.3	8.1	125.82	4.75	1985	1990
<i>60</i>	231	19637	231	-64.4	-42.0	-80.0			157	095	2.9	7.5	159.24	4.20	1976	1971
<i>50</i>	197	20780	197	-59.5	-42.3	-75.0			128	083	4.2	8.2	179.77	4.42	1990	1971
<i>40</i>	144	22202	144	-55.1	-45.5	-71.0			85	081	6.0	9.2	160.34	3.38	1981	1971
<i>30</i>	93	24099	92	-49.8	-40.3	-65.0			44	094	7.2	9.6	217.63	3.68	1987	1971
<i>25</i>	66	25290	66	-47.3	-36.9	-63.0			31	095	8.6	10.8	250.66	3.84	1983	1971
<i>20</i>	32	26800	32	-45.6	-37.9	-53.9			11	104	9.2	9.5	210.41	1.06	1990	1980
<i>15</i>	14	28594	14	-44.0	-36.1	-51.1			5	059	5.8	7.8			1980	1980
<i>10</i>	6	31430	6	-39.5	-31.5	-46.9									1980	1980
<i>7</i>	1	33332	1	-42.1	-42.1	-42.1									1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

528 571 480

303 104 1646 -78.4

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1006	600	18.1	27.0	11.0	600	12.5	600	050	1.9	2.3	1.24	2.11	1976	1975
<i>1000</i>	523	110	522	19.2	27.0	10.0	514	11.5	465	052	2.7	3.4	9.49	1.64	1976	1978
<i>950</i>	523	546	522	23.5	32.8	13.0	484	6.7	452	063	4.4	6.0	15.25	1.11	1989	1972
<i>900</i>	523	1026	522	20.6	28.4	13.2	464	4.1	454	068	3.1	5.1	8.77	1.27	1989	1982
<i>850</i>	523	1516	521	16.9	25.0	9.4	454	1.8	456	074	1.7	4.3	8.75	1.25	1989	1982
<i>800</i>	523	2028	520	13.6	22.0	6.0	414	-0.9	451	084	0.7	4.4	9.44	1.04	1979	1971
<i>750</i>	523	2567	522	10.7	19.4	-5.0	335	-3.4	450	309	0.6	4.9	9.55	0.96	1990	1977
<i>700</i>	523	3140	521	8.1	16.6	-1.1	259	-7.3	454	309	1.7	5.5	11.01	1.02	1987	1988
<i>650</i>	518	3749	515	5.1	16.0	-2.9	205	-10.2	436	304	3.0	6.4	14.02	1.07	1979	1982
<i>600</i>	510	4397	506	1.6	10.8	-6.3	180	-13.5	431	295	4.4	7.6	13.59	1.11	1987	1982
<i>550</i>	501	5093	498	-2.4	6.6	-12.0	162	-17.5	416	291	6.4	9.3	15.38	1.18	1990	1971
<i>500</i>	490	5844	488	-7.1	2.4	-17.0	149	-22.0	415	285	8.4	11.1	17.01	1.26	1990	1971
<i>450</i>	484	6656	481	-12.4	-2.9	-20.3	145	-27.0	406	281	10.7	13.4	20.22	1.37	1984	1984
<i>400</i>	476	7549	473	-18.4	-9.1	-29.0	144	-32.7	399	277	13.7	16.4	23.16	1.52	1987	1972
<i>350</i>	464	8531	460	-25.2	-15.9	-35.0	141	-39.0	384	274	16.4	19.2	26.61	1.66	1987	1971
<i>300</i>	449	9639	449	-33.1	-24.7	-46.0	129	-46.1	373	269	19.9	22.5	32.44	1.81	1987	1971
<i>250</i>	433	10898	433	-42.3	-33.9	-57.0	73	-53.9	353	265	22.8	25.3	39.47	1.85	1981	1971
<i>200</i>	400	12371	399	-53.3	-44.3	-66.0			325	259	24.4	26.8	48.65	1.98	1988	1971
<i>175</i>	367	13219	367	-59.4	-50.1	-69.0			279	258	24.5	26.6	56.38	2.12	1988	1971
<i>150</i>	339	14168	339	-65.7	-53.3	-75.0			254	257	23.1	25.0	64.11	2.16	1989	1977
<i>125</i>	294	15257	293	-71.7	-57.3	-80.1			215	258	19.5	21.4	82.90	2.43	1989	1979
<i>100</i>	256	16560	256	-76.4	-62.7	-87.0			187	261	15.6	17.8	101.01	2.72	1989	1978
<i>80</i>	221	17846	221	-75.7	-59.3	-84.7			159	264	10.0	13.2	114.60	2.83	1989	1981
<i>70</i>	209	18630	209	-72.4	-58.3	-83.0			148	263	7.2	11.4	121.39	2.81	1980	1972
<i>60</i>	185	19550	185	-67.4	-52.9	-79.0			129	265	4.3	9.7	134.78	2.97	1980	1972
<i>50</i>	163	20670	163	-61.9	-46.7	-74.0			114	254	3.6	9.2	143.31	3.21	1980	1972
<i>40</i>	112	22105	112	-56.5	-47.5	-66.1			64	243	0.8	7.5	159.84	3.69	1988	1979
<i>30</i>	70	23983	70	-51.1	-39.3	-60.1			40	075	1.0	6.9	164.82	2.26	1988	1984
<i>25</i>	52	25184	52	-49.7	-40.7	-58.9			27	281	0.3	8.1	214.20	2.71	1980	1984
<i>20</i>	26	26720	26	-47.2	-38.7	-54.9			13	089	5.3	6.1	147.42	2.10	1981	1990
<i>15</i>	13	28631	13	-46.3	-39.3	-53.3			2	061	13.8	14.0			1981	1990
<i>10</i>	7	31395	7	-41.2	-33.7	-50.3			1	155	6.0	6.0			1990	1984
<i>7</i>	1	34115	1	-38.7	-38.7	-38.7									1989	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

500	582	465														
			1	131	1489	-74.5				230	099	1671	-77.8			

NORMALS OF RADIOSONDE DATA

42647 AHMEDABAD

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1008	620	14.9	22.2	5.2	620	9.6	620	051	2.2	2.7	0.92	1.01	1990	1990
1000	545	126	544	16.3	26.0	5.4	541	8.9	488	054	3.1	3.8	7.26	0.81	1989	1990
950	544	558	544	20.2	29.4	6.2	517	4.8	482	066	4.5	6.5	15.79	0.87	1982	1990
900	544	1031	543	17.5	25.4	4.8	497	1.9	480	072	2.0	5.1	7.43	0.98	1990	1990
850	543	1516	542	14.6	22.8	4.6	446	-0.7	481	252	0.5	4.7	7.38	1.19	1985	1990
800	543	2026	543	12.1	22.4	2.0	356	-3.4	480	253	2.1	5.3	8.29	1.34	1987	1977
750	543	2561	543	9.5	21.8	1.0	268	-6.5	476	263	3.5	6.2	11.37	1.40	1987	1974
700	543	3131	541	6.8	18.0	-2.0	221	-10.1	481	273	5.2	7.3	12.20	1.29	1987	1978
650	534	3736	530	3.6	13.8	-4.1	184	-13.0	451	273	7.1	9.2	15.67	1.25	1987	1984
600	525	4382	518	0.0	9.4	-8.0	164	-16.6	437	274	9.7	11.5	15.93	1.20	1987	1973
550	520	5074	515	-4.1	5.0	-13.0	150	-20.2	423	272	12.2	14.0	19.03	1.28	1987	1973
500	512	5819	508	-8.9	0.2	-16.3	135	-24.3	417	271	15.1	15.9	22.27	1.22	1989	1981
450	497	6626	494	-14.2	-6.1	-25.9	133	-28.7	403	269	18.0	19.5	24.27	1.26	1984	1981
400	486	7513	484	-20.3	-11.1	-33.0	129	-34.3	395	268	21.6	23.2	28.60	1.29	1989	1975
350	470	8489	467	-27.0	-16.9	-36.7	111	-40.1	374	268	25.3	27.0	32.27	1.43	1989	1981
300	450	9587	445	-34.8	-23.3	-43.3	101	-47.2	358	265	29.3	31.3	39.20	1.70	1989	1990
250	414	10835	411	-44.0	-31.3	-53.1	56	-55.1	321	263	33.4	35.6	44.96	1.93	1989	1984
200	379	12298	377	-54.6	-43.3	-65.0			267	261	35.2	37.8	53.38	2.21	1989	1978
175	338	13142	338	-60.0	-50.0	-72.0			216	261	33.9	36.0	58.47	2.37	1973	1978
150	310	14095	310	-64.9	-52.5	-74.1			188	261	33.1	34.9	71.21	2.52	1989	1982
125	276	15191	276	-69.4	-56.1	-83.0			152	261	29.9	31.6	80.93	3.18	1980	1971
100	235	16505	235	-74.2	-64.5	-85.0			119	261	25.5	26.9	88.29	3.10	1982	1971
80	202	17804	201	-74.4	-60.5	-87.0			86	268	18.6	20.6	99.18	3.53	1984	1971
70	189	18588	188	-71.7	-59.3	-84.0			83	268	14.7	16.9	113.23	3.64	1984	1971
60	167	19501	167	-67.6	-54.1	-79.0			68	265	11.7	13.8	128.18	3.64	1980	1971
50	132	20624	132	-62.4	-47.3	-73.0			53	264	8.5	10.9	144.22	3.41	1960	1971
40	82	22039	82	-57.1	-45.1	-68.0			32	264	7.0	9.7	168.17	3.55	1987	1978
30	39	23905	39	-52.6	-43.1	-64.5			14	275	6.6	11.9	166.70	4.46	1988	1989
25	25	25103	25	-50.2	-40.1	-63.1			8	296	4.6	11.6	158.07	5.11	1980	1989
20	10	25661	10	-46.3	-38.3	-61.3			2	215	1.4	7.0			1988	1989
15	4	28465	4	-47.3	-42.1	-59.1			1	092	8.0	8.0			1982	1989
10	4	31160	4	-44.8	-39.9	-56.1			1	091	6.0	6.0			1982	1989
7	1	33792	1	-38.1	-38.1	-38.1									1982	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
513	602	435	27	174	1325	-64.8	217	098	1670	-76.1

NORMALS OF RADIOSONDE DATA

43311 AMINI

JANUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	329	1010	329	24.6	27.4	21.0	329	21.8	329	001	2.9	3.2	1.09	0.35	1990	1981
<i>1000</i>	234	87	234	24.4	27.2	21.8	234	21.4	234	001	3.4	3.8	8.09	0.42	1986	1983
<i>950</i>	234	527	234	22.9	27.4	17.2	233	18.2	234	018	3.4	4.2	10.51	0.79	1987	1985
<i>900</i>	234	1005	234	20.7	27.8	13.4	232	13.2	234	066	3.1	4.1	7.81	1.44	1987	1985
<i>850</i>	234	1498	234	17.7	26.0	9.8	230	8.8	234	098	3.8	4.9	9.09	1.69	1987	1985
<i>800</i>	234	2015	234	14.8	24.2	6.8	216	4.3	234	104	3.8	5.0	11.10	1.87	1987	1985
<i>750</i>	234	2555	234	12.2	22.4	4.2	174	-0.6	234	105	3.0	4.7	12.38	2.09	1987	1982
<i>700</i>	234	3134	234	9.6	18.6	2.0	133	-5.0	234	110	2.3	4.6	16.95	2.23	1987	1986
<i>650</i>	232	3741	232	6.5	15.4	-1.5	91	-7.0	232	109	2.2	5.0	19.62	2.22	1989	1986
<i>600</i>	228	4398	228	3.0	12.8	-4.5	71	-10.6	228	097	2.2	5.5	25.53	2.20	1989	1985
<i>550</i>	226	5099	226	-0.9	8.4	-9.1	53	-12.8	226	094	2.7	6.3	32.65	2.29	1989	1985
<i>500</i>	222	5851	222	-5.2	3.8	-13.1	39	-16.1	222	096	2.4	6.6	34.37	2.25	1989	1985
<i>450</i>	214	6672	214	-9.8	-0.7	-19.3	29	-21.1	214	085	2.5	7.5	41.73	2.29	1987	1984
<i>400</i>	208	7573	208	-15.6	-6.1	-23.5	20	-25.7	208	055	0.9	7.6	48.24	2.44	1987	1986
<i>350</i>	193	8566	193	-22.4	-14.1	-29.5	8	-29.3	193	261	0.7	8.8	56.60	2.28	1987	1986
<i>300</i>	188	9685	188	-30.5	-22.1	-38.1	6	-35.7	188	245	2.9	10.0	69.14	2.29	1990	1986
<i>250</i>	174	10956	174	-40.7	-31.5	-49.9	1	-42.3	174	221	5.1	11.5	79.94	2.41	1990	1986
<i>200</i>	157	12441	157	-53.1	-41.7	-65.1			155	205	5.9	12.3	94.86	2.62	1990	1986
<i>175</i>	120	13305	119	-59.5	-50.1	-68.9			119	215	5.1	11.7	106.24	2.55	1990	1986
<i>150</i>	87	14248	87	-66.9	-57.5	-74.9			86	226	3.9	12.2	123.90	2.74	1990	1982
<i>125</i>	49	15316	49	-73.1	-64.5	-81.1			49	287	2.9	11.2	163.77	3.23	1988	1986
<i>100</i>	33	16594	33	-79.0	-69.7	-85.1			33	313	0.5	7.0	203.07	3.32	1990	1982
<i>80</i>	24	17822	24	-78.9	-72.5	-83.7			24	085	4.3	8.8	197.87	2.34	1990	1982
<i>70</i>	22	18601	22	-75.3	-68.5	-79.1			21	088	4.0	7.5	243.69	3.19	1990	1982
<i>60</i>	17	19477	17	-70.1	-65.1	-75.1			17	082	5.2	7.5			1990	1982
<i>50</i>	16	20575	16	-65.4	-56.1	-73.7			16	099	9.3	11.5			1990	1982
<i>40</i>	10	22002	10	-60.5	-49.5	-65.7			10	106	14.3	15.8			1990	1982
<i>30</i>	5	23982	5	-53.5	-43.9	-57.5			5	094	17.3	17.8			1990	1987
<i>25</i>	3	25418	3	-47.9	-41.7	-53.1			3	097	22.1	22.3			1990	1987
<i>20</i>	3	26942	3	-43.8	-40.3	-47.3			3	104	11.6	19.0			1990	1987
<i>15</i>	3	28889	3	-40.7	-37.5	-45.9			3	111	14.5	20.3			1990	1987
<i>10</i>	2	31624	2	-39.9	-36.3	-43.5			2	166	6.0	15.5			1990	1987
<i>7</i>	1	34505	1	-33.9	-33.9	-33.9			1	237	12.0	12.0			1990	1990

FREEZING LEVEL

N P ALT

228 563 494

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

25 093 1696 -81.8

NORMALS OF RADIOSONDE DATA

43311 AMINI

FEBRUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	299	1009	299	25.4	27.6	21.8	299	20.2	299	351	3.3	3.6	1.38	0.31	1990	1980
<i>1000</i>	257	84	257	25.1	27.0	22.0	255	21.6	257	353	3.7	4.0	12.50	0.38	1988	1987
<i>950</i>	257	514	257	23.0	28.2	19.2	254	17.9	257	004	3.7	4.1	19.24	0.71	1989	1985
<i>900</i>	257	1002	257	20.8	28.2	15.6	250	12.0	257	040	2.6	3.7	12.34	1.14	1989	1986
<i>850</i>	257	1494	257	18.0	27.0	10.2	241	7.7	257	096	2.9	4.3	12.71	1.32	1990	1986
<i>800</i>	257	2010	257	14.8	26.0	6.8	233	3.5	257	105	4.0	5.2	14.03	1.62	1990	1986
<i>750</i>	257	2544	257	11.8	25.2	4.2	200	-1.3	257	101	3.8	5.7	13.65	1.93	1990	1986
<i>700</i>	257	3127	257	8.9	23.0	1.4	137	-5.2	257	095	2.7	5.3	18.48	2.06	1990	1986
<i>650</i>	252	3730	251	5.8	19.6	-2.1	95	-9.4	252	084	1.5	5.4	17.46	2.02	1990	1986
<i>600</i>	249	4388	249	2.5	15.8	-4.9	66	-13.2	248	059	1.4	5.9	26.57	2.02	1990	1986
<i>550</i>	242	5089	242	-1.4	12.0	-8.7	42	-16.3	242	044	1.5	6.4	33.51	2.10	1990	1986
<i>500</i>	237	5840	237	-5.6	7.8	-13.1	31	-19.6	237	004	0.9	6.9	36.91	2.12	1990	1986
<i>450</i>	231	6659	231	-10.3	2.2	-18.1	24	-23.5	231	340	1.8	7.8	43.04	2.20	1990	1986
<i>400</i>	225	7560	225	-15.7	-4.1	-23.5	19	-28.6	225	317	2.5	8.9	51.07	2.34	1990	1986
<i>350</i>	218	8551	217	-22.2	-10.9	-31.7	7	-33.0	217	298	3.5	9.5	57.89	2.43	1990	1981
<i>300</i>	208	9673	205	-30.3	-19.9	-40.3	2	-37.9	208	274	4.6	10.4	70.45	2.45	1990	1984
<i>250</i>	200	10947	200	-40.4	-31.3	-49.9			200	258	5.8	11.4	82.02	2.40	1990	1982
<i>200</i>	179	12428	179	-52.7	-42.7	-63.7			178	265	5.3	11.8	100.09	2.77	1990	1982
<i>175</i>	147	13284	147	-59.4	-49.1	-70.9			147	271	5.4	11.9	114.42	3.07	1990	1986
<i>150</i>	117	14247	117	-66.3	-55.5	-75.5			116	280	4.4	11.8	114.52	2.52	1990	1982
<i>125</i>	78	15315	78	-73.1	-63.1	-79.5			78	284	3.1	10.0	122.71	2.51	1990	1982
<i>100</i>	50	16551	50	-79.0	-65.5	-86.1			50	030	0.6	7.7	172.53	3.67	1990	1988
<i>80</i>	38	17797	38	-77.4	-67.9	-83.1			38	282	2.2	5.6	150.24	1.78	1982	1990
<i>70</i>	33	18581	33	-73.6	-64.3	-85.5			33	271	0.8	6.3	141.72	2.13	1982	1990
<i>60</i>	28	19500	28	-68.6	-62.1	-80.1			28	213	1.6	7.0	127.05	1.40	1982	1990
<i>50</i>	26	20609	26	-63.5	-57.5	-74.1			25	247	1.6	7.2	129.69	2.48	1981	1990
<i>40</i>	18	22006	18	-59.0	-52.9	-66.5			17	220	4.6	9.9			1981	1990
<i>30</i>	14	23857	14	-55.4	-52.1	-59.1			14	227	1.9	7.7			1981	1990
<i>25</i>	12	25022	12	-52.3	-45.1	-55.7			11	317	2.4	7.0			1981	1981
<i>20</i>	10	26471	10	-49.2	-41.5	-51.9			8	117	2.5	9.2			1981	1981
<i>15</i>	8	28351	8	-46.5	-41.9	-48.9			6	224	2.3	7.7			1981	1990
<i>10</i>	3	31101	3	-45.0	-43.7	-46.9			3	359	8.5	14.0			1990	1990
<i>7</i>	2	33655	2	-42.6	-40.3	-44.9			2	329	14.5	17.0			1990	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
245	569	482					43	097	1676	-80.9

NORMALS OF RADIOSONDE DATA

43311 AMINI

MARCH 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	310	1009	310	26.2	28.6	23.4	310	23.0	310	345	2.9	3.3	0.71	0.35	1980	1986
1000	260	81	260	25.8	28.2	22.6	258	22.5	260	347	3.3	3.7	5.81	0.39	1989	1985
950	260	524	260	23.6	30.2	18.4	258	20.2	260	358	2.9	3.8	11.51	0.87	1989	1988
900	260	1002	260	21.5	28.8	15.0	255	13.8	260	020	1.8	3.5	5.45	0.99	1989	1988
850	260	1496	260	19.2	27.2	12.4	245	8.2	260	073	1.8	3.8	6.59	1.25	1989	1988
800	260	2015	260	15.9	23.0	9.2	240	5.3	260	102	3.1	5.1	7.98	1.32	1989	1988
750	260	2556	260	12.4	20.0	6.8	234	2.0	260	099	4.4	6.0	10.53	1.40	1989	1988
700	260	3134	260	8.9	17.2	1.6	201	-2.5	260	096	4.1	6.1	12.75	1.58	1989	1988
650	257	3742	257	5.8	15.4	-0.7	139	-7.5	257	093	3.2	5.9	16.37	1.76	1989	1986
600	256	4396	256	2.7	12.8	-4.1	92	-10.5	256	082	2.6	6.0	23.05	2.01	1989	1981
550	252	5096	251	-1.0	9.8	-11.3	56	-12.8	251	074	2.2	6.5	29.58	2.16	1989	1981
500	246	5851	243	-5.0	4.8	-12.1	46	-17.7	245	057	2.0	7.1	34.75	2.38	1989	1985
450	244	6672	240	-9.6	0.2	-18.5	36	-22.3	243	032	1.9	7.6	42.27	2.46	1990	1986
400	233	7575	232	-15.2	-5.5	-22.9	24	-27.0	232	328	2.4	9.1	48.72	2.52	1990	1985
350	219	8571	219	-21.8	-11.1	-27.9	18	-33.0	219	303	3.4	9.9	58.71	2.43	1990	1985
300	200	9694	200	-29.5	-17.5	-36.5	10	-38.8	200	286	4.5	10.5	78.06	2.50	1990	1986
250	193	10965	192	-39.8	-26.7	-47.9	3	-45.8	192	282	4.5	10.8	92.10	2.68	1990	1986
200	180	12451	179	-52.0	-38.7	-62.7			178	272	5.2	11.1	107.31	3.00	1990	1986
175	156	13304	155	-59.0	-49.3	-67.9			154	274	4.6	11.2	115.56	3.04	1987	1981
150	129	14255	129	-65.7	-51.9	-76.3			124	277	4.3	10.1	112.48	2.84	1989	1981
125	76	15290	76	-73.0	-63.5	-80.7			75	286	2.0	8.0	146.60	2.62	1983	1981
100	53	16520	53	-80.0	-72.7	-85.1			52	266	0.5	6.3	168.66	2.64	1987	1987
80	42	17781	42	-76.9	-67.1	-81.7			42	281	1.8	6.1	218.81	4.49	1990	1981
70	41	18564	41	-73.0	-63.9	-79.5			39	281	2.1	6.6	247.37	3.69	1982	1981
60	34	19476	34	-68.4	-58.5	-78.3			34	257	3.0	8.3	242.67	3.57	1981	1981
50	33	20585	33	-63.5	-52.9	-71.5			32	238	4.8	9.4	261.37	5.28	1990	1981
40	28	21954	28	-58.0	-47.9	-64.1			27	282	3.0	8.5	110.84	1.97	1981	1981
30	25	23755	25	-53.0	-45.1	-60.5			24	169	2.0	7.4	140.35	3.80	1987	1982
25	23	24934	23	-49.3	-39.1	-57.9			21	278	2.3	7.9	180.90	5.96	1987	1982
20	20	26438	20	-45.2	-32.3	-51.1			20	074	3.8	7.5			1987	1981
15	10	28372	10	-40.9	-29.7	-46.9			9	095	6.9	9.2			1987	1981
10	2	31134	2	-37.6	-36.5	-38.7			2	237	7.6	12.5			1987	1981
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
253	564	492						45	095	1678	-81.3

NORMALS OF RADIOSONDE DATA

43311 AMINI

APRIL 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SOHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	330	1007	330	27.4	29.4	23.0	330	23.9	330	327	2.7	3.5	0.95	0.29	1980	1984
<i>1000</i>	271	69	271	27.0	29.0	23.0	270	23.5	271	330	3.0	3.8	6.32	0.36	1986	1984
<i>950</i>	271	510	270	24.6	30.4	20.4	269	21.3	271	340	2.8	4.0	11.05	0.79	1990	1982
<i>900</i>	271	993	270	22.5	29.4	17.6	269	15.6	271	003	2.0	4.0	4.85	0.75	1990	1988
<i>850</i>	271	1489	270	20.7	29.4	14.6	263	9.0	271	040	2.1	4.3	5.43	1.19	1990	1986
<i>800</i>	271	2010	270	17.7	27.0	11.2	261	6.6	271	070	3.0	4.6	7.70	1.47	1990	1986
<i>750</i>	271	2551	270	14.2	24.8	8.2	257	4.9	271	085	4.6	5.7	8.01	1.66	1990	1984
<i>700</i>	271	3136	271	10.4	21.8	3.0	250	1.1	271	088	5.8	6.9	13.03	1.68	1990	1981
<i>650</i>	266	3743	265	6.4	18.8	-3.5	217	-3.0	265	091	5.5	6.6	13.16	1.75	1990	1984
<i>600</i>	262	4401	262	3.1	17.0	-5.3	166	-7.8	260	089	4.4	6.1	21.26	1.84	1990	1981
<i>550</i>	256	5103	255	-0.4	13.2	-7.9	111	-12.6	254	089	3.7	5.7	26.80	2.21	1990	1985
<i>500</i>	254	5858	252	-4.4	9.2	-11.7	73	-15.9	252	085	3.3	6.0	31.23	2.26	1990	1986
<i>450</i>	250	6680	249	-9.1	5.0	-17.5	51	-19.6	248	068	2.5	6.2	37.74	2.30	1990	1984
<i>400</i>	242	7585	242	-14.6	-1.7	-22.1	33	-23.5	241	038	1.1	7.5	47.83	2.39	1990	1985
<i>350</i>	232	8578	231	-21.4	-9.1	-28.3	22	-29.8	230	303	1.5	8.4	52.18	2.42	1990	1985
<i>300</i>	218	9704	217	-29.1	-16.7	-37.7	17	-37.2	216	276	3.2	9.4	67.54	2.42	1990	1981
<i>250</i>	202	10983	201	-39.2	-25.5	-49.1	6	-47.3	199	253	4.5	10.5	78.36	2.32	1990	1986
<i>200</i>	177	12475	177	-51.1	-40.9	-61.3			176	241	6.2	12.0	96.32	2.67	1990	1986
<i>175</i>	153	13331	153	-57.8	-49.1	-67.7			153	242	6.3	11.9	103.22	2.62	1990	1985
<i>150</i>	126	14289	126	-65.0	-56.5	-73.7			125	244	5.3	11.0	105.99	2.43	1988	1982
<i>125</i>	82	15364	81	-71.8	-63.9	-79.3			82	242	3.5	9.4	117.85	2.50	1983	1982
<i>100</i>	51	16655	50	-77.9	-72.5	-83.5			50	007	1.3	8.1	193.73	1.89	1983	1982
<i>80</i>	33	17921	33	-76.5	-70.7	-80.1			32	101	3.0	8.1	289.42	2.24	1988	1982
<i>70</i>	29	18706	29	-73.5	-66.9	-80.1			28	085	3.0	6.8	264.51	2.49	1988	1982
<i>60</i>	22	19613	22	-68.8	-61.3	-77.1			21	085	1.0	7.1	192.23	2.64	1983	1982
<i>50</i>	19	20710	19	-63.1	-55.1	-73.3			19	292	1.9	8.4			1983	1982
<i>40</i>	16	22124	16	-56.4	-48.5	-68.7			16	190	1.8	8.5			1983	1982
<i>30</i>	12	23976	12	-51.3	-41.9	-64.3			12	063	2.5	10.1			1988	1982
<i>25</i>	10	25200	10	-47.8	-39.9	-62.1			10	112	3.6	10.8			1988	1982
<i>20</i>	8	26710	8	-43.6	-37.1	-59.7			8	106	8.3	11.2			1988	1982
<i>15</i>	6	28667	6	-41.7	-34.1	-56.7			6	038	7.5	15.8			1988	1982
<i>10</i>	2	31976	2	-32.9	-32.3	-33.5			2	094	11.4	11.5			1988	1988
<i>7</i>	1	34400	1	-29.5	-29.5	-29.5									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
258	557	501					39	098	1678	-79.9

NORMALS OF RADIOSONDE DATA

43311 AMINI

MAY 1977-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	365	1006	365	28.1	30.0	23.6	365	24.9	365	305	3.5	4.2	1.27	0.50	1980	1986
<i>1000</i>	275	61	275	27.7	29.4	20.8	275	24.5	275	311	3.6	4.3	9.53	0.47	1985	1990
<i>950</i>	275	503	275	24.7	29.6	20.0	275	21.7	275	312	3.9	4.6	18.26	0.99	1990	1983
<i>900</i>	275	986	275	21.9	30.0	17.4	275	17.6	275	314	3.4	4.5	7.55	1.05	1990	1983
<i>850</i>	275	1480	275	19.5	27.4	14.8	273	11.9	275	327	2.1	4.1	6.51	1.20	1990	1984
<i>800</i>	275	2001	275	16.9	24.2	10.4	266	7.2	275	016	1.5	4.6	6.86	1.33	1990	1986
<i>750</i>	275	2543	275	13.6	22.4	7.0	257	4.2	275	063	2.3	5.3	9.37	1.40	1990	1986
<i>700</i>	275	3125	275	9.9	19.2	3.2	249	1.2	275	075	3.0	6.0	9.99	1.56	1990	1983
<i>650</i>	267	3733	267	6.0	15.0	-4.5	228	-2.7	267	077	3.2	6.3	14.12	2.14	1990	1983
<i>600</i>	260	4387	260	2.3	11.8	-4.1	199	-6.9	259	082	3.2	6.0	20.81	1.95	1990	1983
<i>550</i>	258	5088	258	-1.3	8.0	-8.5	160	-10.8	258	083	2.7	5.7	29.99	2.02	1990	1983
<i>500</i>	249	5839	249	-5.3	3.4	-13.1	117	-15.1	249	082	2.2	5.8	29.54	2.09	1990	1983
<i>450</i>	241	6658	241	-9.6	-1.3	-17.7	92	-19.1	241	071	2.0	6.1	38.31	2.00	1990	1986
<i>400</i>	233	7563	233	-14.9	-6.1	-22.1	68	-23.5	233	063	1.6	6.5	39.77	2.24	1990	1986
<i>350</i>	230	8561	229	-21.4	-11.3	-31.5	44	-28.5	230	079	0.9	6.3	49.68	2.29	1990	1981
<i>300</i>	216	9683	216	-29.3	-19.3	-38.1	27	-35.6	216	160	0.9	6.6	59.89	2.42	1990	1979
<i>250</i>	199	10961	199	-39.3	-28.1	-49.3	15	-46.5	199	173	1.2	7.6	72.40	2.45	1990	1979
<i>200</i>	181	12453	181	-51.5	-38.1	-60.7	1	-55.1	181	165	3.2	9.2	91.65	2.72	1990	1979
<i>175</i>	148	13310	148	-58.5	-45.9	-70.0			146	154	3.7	10.4	103.21	2.96	1990	1977
<i>150</i>	123	14275	123	-65.8	-54.1	-77.0			123	140	4.6	11.3	119.70	3.21	1990	1977
<i>125</i>	83	15334	83	-73.7	-65.5	-85.0			82	119	5.9	12.7	133.70	2.74	1988	1977
<i>100</i>	51	16611	51	-79.2	-72.5	-85.0			49	107	6.1	10.3	151.79	2.87	1990	1977
<i>80</i>	34	17882	34	-75.3	-68.1	-82.1			34	096	8.4	10.4	167.88	1.77	1983	1981
<i>70</i>	29	18654	29	-70.9	-62.7	-80.3			29	094	7.3	9.3	173.16	1.27	1987	1982
<i>60</i>	25	19556	25	-66.1	-59.5	-77.1			25	103	8.0	10.0	167.07	2.95	1981	1982
<i>50</i>	22	20704	22	-61.3	-53.3	-70.7			22	100	10.2	11.6	181.40	3.22	1983	1982
<i>40</i>	16	22134	16	-55.9	-49.1	-62.5			16	089	12.9	13.9			1981	1981
<i>30</i>	13	24006	13	-50.1	-44.1	-59.7			13	093	13.3	15.4			1981	1981
<i>25</i>	10	25213	10	-46.9	-42.9	-53.1			10	091	12.1	15.4			1990	1981
<i>20</i>	9	26700	9	-44.4	-41.3	-49.7			9	094	18.9	20.1			1981	1981
<i>15</i>	4	28708	4	-42.5	-40.1	-45.1			4	096	13.2	13.8			1990	1985
<i>10</i>	2	31550	2	-38.1	-37.7	-38.5			2	102	19.0	20.5			1987	1990
<i>7</i>	1	34420	1	-36.5	-36.5	-36.5			1	109	15.9	16.0			1990	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
261	567	485					39	098	1669	-81.3

NORMALS OF RADIOSONDE DATA

43311 AMINI

JUNE 1977-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	372	1006	372	28.0	30.0	24.0	372	25.2	370	266	8.5	9.3	0.73	0.40	1987	1979
1000	279	56	279	27.6	29.8	24.0	267	25.0	279	271	8.5	9.1	4.20	0.41	1987	1989
950	279	497	279	24.3	29.0	19.0	266	21.8	279	275	9.9	10.5	12.17	0.66	1988	1986
900	279	979	279	21.2	27.4	15.4	266	18.2	279	280	10.8	11.4	5.45	0.87	1988	1986
850	279	1472	279	18.3	23.8	12.2	266	14.7	279	281	10.6	11.4	7.28	0.93	1987	1986
800	279	1991	279	15.3	21.2	8.6	265	10.5	279	282	9.9	10.6	8.08	1.03	1986	1986
750	279	2532	279	12.5	18.2	5.2	264	6.1	279	281	8.8	9.7	10.98	1.13	1990	1986
700	279	3111	279	9.3	16.0	2.0	259	1.4	279	278	7.9	9.3	12.20	1.26	1990	1986
650	277	3719	277	6.0	13.2	-1.5	251	-2.6	277	277	6.8	8.5	13.65	1.43	1990	1986
600	270	4374	270	2.6	11.2	-5.7	232	-5.7	269	273	6.0	8.2	17.32	1.58	1990	1984
550	269	5077	269	-0.8	10.2	-10.7	208	-8.7	266	267	5.7	7.8	27.36	1.79	1990	1984
500	264	5831	264	-4.6	7.0	-13.9	185	-12.6	261	265	5.1	7.2	26.22	1.84	1990	1984
450	261	6653	261	-9.0	2.2	-17.3	167	-16.4	258	262	3.4	6.5	33.78	1.94	1990	1984
400	256	7560	256	-14.4	-4.1	-22.7	162	-22.0	253	258	1.1	5.7	39.14	1.89	1990	1984
350	246	8559	246	-21.0	-10.3	-28.9	151	-28.3	245	096	2.8	6.2	45.42	1.94	1990	1982
300	237	9685	237	-28.9	-18.7	-37.9	117	-36.4	235	092	5.8	7.9	54.31	1.98	1990	1982
250	226	10962	226	-39.0	-28.9	-49.7	40	-46.9	224	087	10.5	12.0	63.90	2.19	1990	1982
200	196	12452	196	-51.4	-39.5	-60.3			193	091	16.2	17.6	81.51	2.64	1988	1986
175	145	13299	145	-58.8	-47.5	-69.5			144	089	20.3	21.8	90.25	2.57	1988	1986
150	105	14251	105	-66.4	-57.7	-77.0			104	092	24.4	26.0	108.59	2.37	1989	1977
125	51	15300	51	-74.2	-65.1	-85.0			51	093	27.8	29.5	88.85	2.33	1985	1977
100	32	16570	32	-78.9	-72.1	-87.5			30	096	21.7	22.7	91.49	2.02	1987	1987
80	19	17846	19	-75.4	-63.9	-82.0			19	096	19.0	19.5			1981	1977
70	16	18616	16	-71.2	-60.1	-78.0			15	106	13.4	15.8			1983	1977
60	14	19526	14	-65.9	-58.3	-73.5			13	096	14.5	15.2			1983	1985
50	12	20646	12	-60.5	-51.9	-67.0			12	089	14.5	15.5			1983	1977
40	10	22055	10	-54.7	-47.9	-61.0			9	096	17.7	17.9			1983	1977
30	10	23912	10	-50.2	-43.3	-57.5			9	102	16.3	16.7			1982	1981
25	6	25156	6	-48.7	-40.9	-55.9			6	099	18.1	19.8			1983	1981
20	5	26656	5	-45.7	-37.7	-53.3			5	082	31.0	31.6			1983	1981
15	2	28454	2	-42.1	-37.7	-46.5			2	088	17.7	18.0			1981	1985
10	1	31046	1	-44.1	-44.1	-44.1			1	091	12.0	12.0			1985	1985
7	1	33450	1	-42.5	-42.5	-42.5			1	114	16.0	16.0			1985	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
270	561	492					21	100	1664	-80.5

NORMALS OF RADIOSONDE DATA

43311 AMINI

JULY 1977-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	393	1007	393	27.4	29.2	23.2	393	25.4	393	273	8.1	8.7	0.92	0.44	1983	1985
1000	248	63	248	27.1	28.8	24.2	248	24.8	248	277	8.5	9.0	6.50	0.48	1990	1984
950	248	497	247	23.9	28.4	19.6	247	21.4	247	282	10.3	10.7	15.71	0.47	1987	1989
900	248	985	247	20.9	28.4	15.6	247	18.1	247	287	11.5	11.9	7.04	0.68	1987	1989
850	248	1478	248	18.0	24.6	12.4	248	14.5	248	290	11.5	12.0	8.14	0.78	1988	1980
800	248	1995	248	15.1	23.2	10.2	247	10.5	247	291	10.7	11.2	10.35	0.94	1988	1985
750	248	2533	248	12.2	21.4	7.4	246	5.9	247	291	8.9	9.4	13.53	1.05	1990	1980
700	248	3115	248	9.2	19.4	2.8	244	0.9	248	289	7.2	8.1	13.74	1.18	1990	1985
650	244	3721	244	5.9	15.4	-0.5	234	-2.9	236	291	6.0	7.2	16.93	1.24	1990	1985
600	240	4377	240	2.5	11.4	-3.5	226	-6.3	233	291	4.5	6.3	20.45	1.34	1988	1984
550	233	5083	233	-0.8	8.0	-7.0	203	-9.1	226	287	3.2	5.5	32.52	1.57	1990	1977
500	232	5835	232	-4.7	5.0	-11.0	195	-13.2	227	280	2.1	5.5	28.58	1.80	1989	1977
450	229	6656	229	-9.3	-0.5	-17.7	172	-17.0	217	326	0.3	5.4	37.96	1.71	1988	1984
400	226	7561	226	-14.7	-5.9	-20.3	159	-22.4	215	094	2.0	5.9	37.70	1.62	1988	1981
350	218	8560	218	-21.2	-12.1	-27.5	136	-28.3	205	098	5.1	7.1	44.83	1.61	1988	1981
300	208	9687	208	-29.1	-19.5	-36.0	105	-36.2	197	092	9.0	10.1	54.37	1.79	1987	1977
250	194	10966	194	-39.2	-30.7	-47.0	34	-45.7	184	097	13.6	15.2	63.49	1.93	1988	1977
200	175	12457	175	-51.5	-33.3	-60.0			168	096	20.6	21.6	77.55	2.19	1990	1977
175	137	13304	136	-58.5	-50.3	-68.0			135	094	25.5	26.2	104.39	2.95	1990	1977
150	113	14253	113	-65.8	-56.3	-76.9			110	096	29.4	30.5	113.53	2.78	1987	1981
125	70	15327	70	-73.6	-64.5	-84.0			66	095	31.3	32.2	110.42	2.41	1987	1977
100	35	16580	35	-76.8	-65.7	-87.0			33	094	26.2	27.0	117.51	3.52	1985	1977
80	23	17874	23	-71.4	-64.1	-77.9			23	096	19.5	20.3	166.40	3.81	1988	1989
70	17	18640	17	-68.0	-62.3	-71.5			17	096	16.3	16.8			1988	1989
60	14	19550	14	-64.1	-58.9	-67.7			14	094	15.8	16.8			1981	1989
50	12	20666	12	-60.1	-54.3	-63.5			12	080	14.3	17.0			1981	1981
40	9	22065	9	-55.9	-53.3	-60.1			9	078	22.1	28.0			1981	1989
30	6	23963	6	-49.0	-46.7	-53.1			6	108	31.9	33.5			1981	1990
25	6	25170	5	-46.0	-43.5	-51.1			6	111	23.8	31.7			1981	1990
20	4	26670	4	-44.5	-40.5	-48.9			4	099	31.7	32.5			1981	1990
15	1	28620	1	-46.1	-46.1	-46.1			1	360	57.0	57.0			1990	1990
10	1	31321	1	-44.3	-44.3	-44.3			1	189	60.0	60.0			1990	1990
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

238 553 490

28 108 1517 -79.3

NORMALS OF RADIOSONDE DATA

43311 AMINI

AUGUST 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	1007	372	27.0	28.3	23.4	372	25.0	370	277	7.9	8.5	0.71	0.26	1987	1989
<i>1000</i>	295	67	295	26.6	28.4	23.2	295	24.7	294	280	8.3	8.8	5.01	0.28	1987	1989
<i>950</i>	295	508	295	23.5	27.4	18.4	295	20.9	294	287	9.9	10.5	11.50	0.63	1988	1990
<i>900</i>	295	989	295	20.5	27.2	14.2	294	17.4	294	291	11.1	11.5	5.88	0.99	1988	1990
<i>850</i>	295	1482	295	17.6	25.2	10.0	294	13.8	294	294	11.0	11.5	6.56	1.11	1988	1990
<i>800</i>	295	1999	295	14.9	25.4	7.0	293	10.3	294	294	10.1	10.5	8.00	1.19	1989	1990
<i>750</i>	295	2539	295	12.1	25.8	3.6	291	6.2	294	293	8.8	9.3	8.77	1.27	1989	1990
<i>700</i>	295	3117	295	9.0	23.4	3.0	288	1.6	294	290	7.4	8.1	11.50	1.36	1989	1990
<i>650</i>	287	3725	287	5.8	18.8	-0.3	275	-2.6	286	289	6.3	7.2	13.03	1.56	1989	1989
<i>600</i>	282	4379	282	2.5	14.0	-3.5	261	-6.1	280	286	5.1	6.4	19.67	1.57	1989	1990
<i>550</i>	278	5082	278	-1.0	8.6	-7.1	243	-9.8	276	282	3.9	5.8	28.57	1.56	1989	1990
<i>500</i>	274	5834	273	-4.8	4.2	-11.9	213	-14.0	272	283	2.6	5.3	27.93	1.60	1990	1989
<i>450</i>	268	6655	256	-9.2	8.2	-15.1	197	-18.2	266	283	0.8	5.3	35.96	1.86	1987	1984
<i>400</i>	250	7559	259	-14.8	-3.1	-21.7	176	-23.3	256	106	1.8	5.3	39.95	1.98	1990	1982
<i>350</i>	252	8559	252	-21.6	-9.5	-29.7	152	-29.6	248	100	4.3	6.3	45.52	1.92	1990	1982
<i>300</i>	246	9680	246	-29.7	-16.3	-37.5	118	-37.4	243	097	8.3	9.6	57.40	1.82	1990	1982
<i>250</i>	236	10954	236	-39.9	-24.9	-47.1	31	-46.9	231	098	13.0	13.9	69.40	1.68	1990	1981
<i>200</i>	204	12446	204	-52.0	-40.3	-60.9			198	097	20.5	21.5	79.73	1.80	1990	1990
<i>175</i>	154	13304	154	-58.8	-49.1	-67.9			146	097	24.1	25.3	93.13	1.82	1990	1990
<i>150</i>	117	14261	117	-65.7	-57.9	-74.1			114	097	28.1	29.6	95.02	1.59	1982	1990
<i>125</i>	74	15318	74	-73.3	-65.5	-81.9			72	097	30.5	31.3	99.90	1.94	1986	1990
<i>100</i>	45	16573	44	-77.3	-70.7	-88.1			43	096	23.9	25.3	157.56	3.05	1987	1986
<i>80</i>	24	17844	24	-70.9	-63.5	-77.1			24	097	17.8	18.9	184.48	3.95	1990	1986
<i>70</i>	17	18657	17	-66.5	-57.9	-74.1			16	098	17.8	19.1			1990	1980
<i>60</i>	10	19513	10	-64.1	-59.3	-68.7			9	099	17.3	17.7			1981	1981
<i>50</i>	7	20683	7	-61.3	-57.7	-64.3			7	094	15.0	15.6			1982	1981
<i>40</i>	4	22099	4	-58.0	-56.3	-58.7			4	093	18.2	18.5			1985	1981
<i>30</i>	4	23915	4	-55.0	-51.1	-59.1			4	085	25.9	26.0			1985	1981
<i>25</i>	4	25086	4	-52.2	-46.3	-56.5			3	094	22.1	22.3			1985	1981
<i>20</i>	4	26553	4	-50.1	-44.5	-55.1			3	097	28.1	28.3			1985	1981
<i>15</i>	3	28439	3	-49.3	-45.5	-52.7			1	122	28.0	28.0			1981	1981
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N P ALT

283 565 436

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

40 109 1607 -79.7

NORMALS OF RADIOSONDE DATA

43311 AMINI

SEPTEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	360	1008	360	26.6	28.0	24.0	360	24.5	360	299	5.2	6.0	0.91	0.26	1987	1988
<i>1000</i>	296	71	295	26.3	27.8	23.8	295	24.1	295	300	5.4	6.2	7.66	0.28	1983	1988
<i>950</i>	295	514	295	23.5	27.8	18.4	295	20.8	295	305	5.9	6.8	11.89	0.72	1987	1983
<i>900</i>	295	992	295	20.6	27.2	15.4	295	17.3	295	307	6.1	7.1	8.36	1.05	1989	1983
<i>850</i>	295	1485	295	17.8	25.8	13.0	294	13.7	295	307	5.8	6.9	9.63	1.19	1990	1985
<i>800</i>	295	2002	295	15.0	25.4	9.2	295	9.6	295	305	5.2	6.5	11.03	1.34	1979	1986
<i>750</i>	295	2542	295	12.2	20.4	6.8	292	5.2	295	301	4.4	5.9	10.75	1.44	1990	1983
<i>700</i>	295	3122	295	9.2	18.6	3.4	284	1.1	295	297	3.9	5.7	14.57	1.51	1990	1983
<i>650</i>	285	3730	285	6.1	16.6	-1.3	263	-2.3	285	294	3.6	5.7	14.93	1.59	1990	1984
<i>600</i>	280	4386	280	2.9	13.2	-2.7	238	-5.6	280	293	2.4	5.3	20.61	1.55	1990	1979
<i>550</i>	271	5088	271	-0.8	7.8	-6.3	216	-8.9	271	293	1.4	4.9	28.38	1.65	1990	1985
<i>500</i>	268	5843	268	-4.8	2.4	-10.5	201	-12.7	268	035	0.3	4.6	28.88	1.72	1990	1982
<i>450</i>	259	6664	259	-9.4	-2.1	-15.5	187	-17.9	259	095	1.4	4.7	34.13	1.75	1990	1985
<i>400</i>	252	7572	252	-14.9	-8.1	-21.7	163	-23.7	251	105	3.0	5.6	40.09	1.81	1988	1990
<i>350</i>	243	8570	243	-21.4	-14.1	-28.7	125	-30.0	242	105	4.8	6.7	44.34	1.84	1988	1979
<i>300</i>	228	9699	228	-29.2	-21.3	-37.3	85	-37.6	228	104	7.2	8.4	55.72	1.92	1988	1983
<i>250</i>	203	10978	203	-39.2	-31.5	-49.3	20	-46.2	201	103	11.1	12.2	65.51	2.09	1988	1984
<i>200</i>	177	12470	177	-51.5	-41.1	-61.9			173	103	17.0	18.2	79.19	2.40	1990	1982
<i>175</i>	131	13328	131	-58.5	-50.9	-69.5			129	107	19.8	21.3	88.74	2.48	1987	1982
<i>150</i>	94	14284	94	-66.1	-60.3	-73.5			91	106	22.6	23.5	87.98	2.31	1987	1979
<i>125</i>	52	15375	52	-72.9	-66.9	-77.9			50	104	23.1	24.2	104.57	1.94	1986	1982
<i>100</i>	24	16640	24	-77.6	-73.3	-82.1			24	102	21.1	22.9	119.97	1.81	1980	1982
<i>80</i>	17	17974	17	-71.7	-68.7	-78.1			17	094	15.3	18.9			1981	1990
<i>70</i>	12	18738	12	-68.2	-61.3	-75.9			12	094	13.2	15.9			1981	1990
<i>60</i>	10	19698	10	-64.1	-57.7	-73.1			10	096	16.0	16.2			1981	1990
<i>50</i>	9	20821	9	-60.3	-54.1	-70.1			9	083	14.7	15.0			1986	1990
<i>40</i>	7	22241	7	-57.0	-52.1	-65.3			7	085	9.0	9.9			1986	1990
<i>30</i>	7	24071	7	-51.8	-48.7	-54.9			7	099	13.0	13.7			1986	1980
<i>25</i>	5	25303	5	-49.3	-44.5	-54.1			5	094	14.5	16.8			1986	1980
<i>20</i>	1	26707	1	-48.7	-48.7	-48.7			1	098	17.0	17.0			1983	1983
<i>15</i>	1	28607	1	-46.1	-46.1	-46.1			1	173	20.0	20.0			1983	1983
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N	P	ALT
279	561	493

1ST TROPOPAUSE

N	P	ALT	T
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2ND TROPOPAUSE

N	P	ALT	T
24	106	1633	-78.6

NORMALS OF RADIOSONDE DATA

43311 AMINI

OCTOBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	1008	372	26.0	28.8	20.4	372	23.8	372	307	2.2	3.4	0.87	0.62	1980	1984
<i>1000</i>	273	74	273	25.7	28.2	21.0	270	23.4	273	308	2.7	3.8	5.83	0.68	1987	1984
<i>950</i>	273	512	273	23.4	28.0	16.0	270	20.4	273	317	2.6	4.2	16.87	0.78	1990	1984
<i>900</i>	273	995	273	20.9	27.8	13.6	269	16.3	273	329	1.8	4.2	6.96	0.92	1990	1984
<i>850</i>	273	1488	273	18.3	26.0	11.0	267	12.6	273	009	1.0	4.2	7.82	1.08	1990	1985
<i>800</i>	273	2006	273	15.3	23.4	8.4	260	8.9	273	059	1.2	4.7	9.44	1.15	1990	1985
<i>750</i>	273	2544	271	12.2	21.2	6.2	252	4.7	273	068	1.1	4.8	11.11	1.26	1990	1981
<i>700</i>	273	3125	271	9.1	19.0	2.6	233	0.8	273	055	0.9	4.8	13.44	1.32	1990	1981
<i>650</i>	256	3732	255	6.1	15.8	1.2	210	-2.9	256	023	0.5	4.7	14.41	1.29	1990	1981
<i>600</i>	249	4389	249	2.9	11.6	-3.7	190	-6.7	248	073	0.5	4.5	18.67	1.34	1990	1982
<i>550</i>	243	5095	243	-0.5	9.0	-9.7	165	-10.3	242	081	1.0	4.7	26.55	1.47	1989	1982
<i>500</i>	235	5847	235	-4.5	5.0	-10.1	144	-14.6	234	085	1.9	5.0	26.09	1.51	1989	1982
<i>450</i>	229	6670	229	-9.0	-0.7	-15.1	111	-19.2	228	080	2.2	5.1	31.19	1.46	1989	1987
<i>400</i>	224	7574	224	-14.4	-6.3	-21.7	91	-24.7	223	084	2.8	5.1	34.82	1.50	1989	1982
<i>350</i>	216	8571	216	-21.0	-12.5	-28.9	60	-30.8	215	095	3.2	5.8	38.17	1.41	1989	1982
<i>300</i>	202	9695	202	-29.1	-20.3	-37.7	34	-38.1	201	101	4.2	6.8	48.07	1.46	1990	1982
<i>250</i>	185	10972	185	-39.1	-29.1	-49.7	12	-47.3	182	111	6.2	8.6	53.20	1.63	1990	1982
<i>200</i>	164	12463	164	-51.5	-40.3	-63.9			162	111	9.3	11.8	59.76	1.61	1988	1982
<i>175</i>	134	13319	134	-58.5	-48.9	-69.9			129	113	10.7	13.3	65.01	1.43	1990	1982
<i>150</i>	103	14270	103	-66.0	-54.7	-73.5			103	110	10.5	13.2	65.33	2.08	1990	1986
<i>125</i>	52	15341	52	-73.5	-68.1	-83.5			50	108	7.7	11.5	72.41	3.91	1988	1990
<i>100</i>	27	16610	27	-78.0	-63.5	-84.1			27	096	6.9	10.0	100.00	1.77	1981	1981
<i>80</i>	14	17875	14	-72.9	-66.5	-77.3			14	096	3.6	6.2			1980	1981
<i>70</i>	10	18671	10	-68.8	-62.7	-75.3			10	094	3.3	5.2			1980	1980
<i>60</i>	6	19593	6	-64.0	-62.3	-66.7			6	080	4.4	5.7			1986	1983
<i>50</i>	6	20719	6	-58.8	-53.1	-61.7			6	102	8.3	10.2			1981	1983
<i>40</i>	6	22135	6	-53.9	-47.5	-55.5			6	095	12.6	14.7			1981	1983
<i>30</i>	4	23943	4	-50.1	-45.3	-54.9			3	097	22.9	23.0			1981	1983
<i>25</i>	1	24938	1	-52.1	-52.1	-52.1			1	091	21.0	21.0			1983	1983
<i>20</i>	2	26228	2	-51.8	-48.3	-55.3			2	089	23.2	24.0			1983	1981
<i>15</i>	2	28115	2	-46.4	-43.9	-48.9			2	099	24.6	25.0			1983	1981
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

243 559 497

21 103 1639 -79.8

NORMALS OF RADIOSONDE DATA

43311 AMINI

NOVEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	360	1008	359	25.5	29.4	21.8	359	23.3	360	339	1.3	2.8	0.91	0.45	1990	1984
<i>1000</i>	296	80	296	25.2	29.2	22.0	295	22.7	296	340	1.7	3.4	6.27	0.48	1990	1985
<i>950</i>	296	514	296	23.5	30.0	17.6	295	19.2	296	005	1.9	4.0	18.36	0.72	1990	1985
<i>900</i>	296	1000	296	21.0	30.2	13.4	295	14.3	296	044	2.0	4.4	6.82	1.22	1990	1985
<i>850</i>	296	1492	296	18.0	27.0	10.0	292	10.9	296	070	2.4	4.7	8.05	1.42	1990	1985
<i>800</i>	296	2009	296	14.8	24.6	6.4	289	7.4	296	082	2.6	5.0	9.57	1.54	1989	1985
<i>750</i>	296	2547	295	11.8	21.8	4.4	267	3.6	293	088	2.1	4.8	10.82	1.61	1989	1985
<i>700</i>	296	3127	295	9.0	18.6	2.0	238	0.0	295	086	1.6	4.8	15.19	1.73	1989	1985
<i>650</i>	291	3733	290	6.2	15.4	-0.1	207	-3.9	291	086	1.8	5.0	17.11	1.80	1990	1985
<i>600</i>	285	4390	285	3.0	11.8	-3.3	173	-7.1	285	085	2.3	5.1	22.63	1.69	1990	1985
<i>550</i>	280	5095	279	-0.6	7.6	-7.5	148	-10.4	280	081	3.1	5.5	34.10	1.57	1990	1985
<i>500</i>	277	5846	276	-4.8	2.6	-12.7	133	-15.0	277	074	3.5	5.9	30.69	1.66	1990	1981
<i>450</i>	265	6668	264	-9.5	-2.5	-20.1	102	-19.4	264	075	3.6	6.4	38.71	1.70	1990	1981
<i>400</i>	254	7571	254	-15.1	-5.9	-26.9	78	-25.1	253	072	3.5	6.5	42.52	1.97	1990	1981
<i>350</i>	247	8568	247	-21.8	-12.7	-34.5	59	-30.9	246	082	2.2	6.4	47.73	2.07	1990	1981
<i>300</i>	237	9689	237	-29.8	-19.9	-42.3	41	-37.7	237	106	1.6	6.5	56.16	2.04	1990	1981
<i>250</i>	219	10967	219	-39.9	-23.5	-54.3	8	-46.7	216	155	2.5	7.6	68.32	2.30	1986	1981
<i>200</i>	205	12453	205	-52.1	-39.9	-66.1			203	150	4.3	9.8	83.76	2.38	1987	1981
<i>175</i>	164	13303	164	-59.0	-47.5	-75.1			163	149	5.2	10.6	102.09	2.58	1987	1981
<i>150</i>	132	14254	132	-66.2	-53.9	-77.3			132	153	4.0	10.4	119.44	2.57	1988	1981
<i>125</i>	85	15319	85	-73.3	-58.5	-79.9			85	130	3.4	9.5	141.45	2.45	1988	1983
<i>100</i>	53	16589	53	-78.8	-64.5	-85.7			53	109	4.7	7.9	171.93	2.17	1988	1980
<i>80</i>	37	17844	37	-75.6	-62.9	-86.1			36	088	2.2	6.1	151.88	2.10	1983	1990
<i>70</i>	28	18597	28	-71.0	-63.1	-77.7			28	098	1.8	6.2	174.35	2.41	1983	1983
<i>60</i>	24	19518	24	-66.5	-57.9	-71.3			23	027	3.6	6.7	194.17	1.99	1983	1983
<i>50</i>	19	20653	19	-62.4	-54.7	-75.7			18	083	2.6	8.4			1983	1980
<i>40</i>	10	22056	10	-57.9	-52.5	-62.9			10	096	5.5	8.7			1983	1983
<i>30</i>	7	23933	7	-53.6	-43.1	-59.9			7	100	8.2	11.4			1983	1983
<i>25</i>	7	25107	7	-50.6	-39.1	-56.5			7	112	8.5	11.1			1983	1980
<i>20</i>	3	26609	3	-46.4	-42.3	-50.7			3	091	21.6	23.7			1983	1983
<i>15</i>	2	28564	2	-44.9	-44.3	-45.5			1	101	28.0	28.0			1983	1990
<i>10</i>	1	31636	1	-44.9	-44.9	-44.9									1990	1990
<i>7</i>	1	34019	1	-44.5	-44.5	-44.5									1990	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
281	560	494					46	102	1654	-80.4

NORMALS OF RADIOSONDE DATA

43311 AMINI

DECEMBER 1979-90

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LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	1010	372	25.0	28.0	21.2	372	22.3	372	003	1.9	2.6	0.82	0.53	1980	1981
<i>1000</i>	286	86	286	24.7	27.8	22.0	286	22.0	286	360	2.6	3.5	5.05	0.49	1990	1981
<i>950</i>	286	521	286	23.0	28.4	19.0	285	18.7	286	030	2.7	3.9	14.76	0.49	1989	1989
<i>900</i>	286	1006	286	20.8	28.4	14.6	285	14.0	286	072	3.2	4.5	5.48	0.98	1989	1989
<i>850</i>	286	1498	285	17.8	26.0	9.2	282	10.9	286	092	3.9	5.0	7.14	1.20	1989	1989
<i>800</i>	286	2015	285	14.8	23.0	6.6	273	7.0	286	100	3.5	4.9	8.10	1.33	1989	1989
<i>750</i>	286	2554	286	12.3	20.4	4.8	238	2.6	286	104	2.6	4.6	9.85	1.50	1988	1985
<i>700</i>	286	3134	285	9.6	19.6	0.2	202	-1.0	286	105	2.4	4.5	14.16	1.63	1988	1985
<i>650</i>	279	3744	279	6.6	16.4	-2.7	169	-4.7	278	103	2.5	4.9	16.01	1.72	1989	1985
<i>600</i>	278	4400	278	3.2	12.6	-2.5	143	-8.4	277	097	2.7	5.5	21.81	1.81	1989	1985
<i>550</i>	275	5106	275	-0.5	9.2	-7.9	116	-11.9	274	087	3.1	6.0	33.52	1.97	1989	1985
<i>500</i>	269	5857	269	-4.8	2.4	-13.1	102	-16.4	268	079	3.1	6.6	30.71	2.04	1990	1985
<i>450</i>	265	5680	264	-9.4	-1.7	-17.7	73	-20.2	264	072	2.6	6.9	39.03	2.16	1990	1985
<i>400</i>	255	7583	255	-15.0	-7.1	-21.9	54	-25.5	252	081	1.4	7.4	43.28	2.18	1990	1985
<i>350</i>	236	8577	236	-21.9	-13.5	-28.3	38	-31.6	232	223	0.6	8.5	51.28	2.09	1990	1984
<i>300</i>	226	9698	226	-29.9	-20.9	-37.9	29	-39.6	224	225	3.0	9.3	62.37	2.12	1990	1985
<i>250</i>	203	10973	203	-40.0	-29.7	-49.9	7	-46.7	200	226	5.7	10.7	75.23	2.36	1989	1985
<i>200</i>	178	12464	178	-52.0	-41.7	-59.7			175	233	6.8	12.0	89.70	2.32	1990	1982
<i>175</i>	146	13320	146	-58.9	-49.1	-70.1			144	241	7.3	11.8	99.27	2.69	1989	1982
<i>150</i>	108	14280	108	-65.4	-56.7	-72.7			106	252	8.0	12.9	95.16	2.38	1989	1985
<i>125</i>	60	15353	60	-72.7	-62.1	-80.1			59	253	5.9	10.4	130.16	3.06	1989	1981
<i>100</i>	39	16653	39	-77.4	-65.1	-83.9			39	282	1.3	6.8	130.71	3.02	1989	1984
<i>80</i>	28	17896	27	-75.8	-66.1	-83.5			27	083	2.3	6.7	129.88	2.15	1989	1980
<i>70</i>	25	18682	25	-70.2	-58.3	-80.1			24	143	2.2	7.8	130.99	2.93	1986	1981
<i>60</i>	19	19580	19	-65.1	-51.9	-73.5			18	033	0.9	6.4			1981	1981
<i>50</i>	16	20704	16	-61.2	-51.9	-66.7			16	130	5.5	9.9			1986	1980
<i>40</i>	11	22128	11	-55.7	-45.3	-61.1			11	085	4.8	12.4			1986	1984
<i>30</i>	10	23978	10	-50.4	-37.7	-57.9			10	128	5.7	14.9			1986	1984
<i>25</i>	5	25217	5	-48.1	-36.1	-55.9			4	093	18.3	18.5			1986	1984
<i>20</i>	4	26767	4	-45.3	-34.1	-53.3			4	097	13.5	15.0			1986	1984
<i>15</i>	2	28413	2	-47.2	-44.3	-50.1			2	102	20.0	20.0			1989	1984
<i>10</i>	2	31114	2	-43.6	-41.7	-45.5			2	298	14.2	16.0			1989	1984
<i>7</i>	1	33530	1	-39.9	-39.9	-39.9			1	321	3.0	3.0			1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
276	558	498					31	096	1685	-79.6

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	911	403	16.0	21.0	12.0	403	14.0	403	085	2.7	2.9	0.83	0.77	1971	1972
<i>1000</i>	375	122											9.45			
<i>950</i>	374	561											9.98			
<i>900</i>	368	1025	365	15.8	23.4	11.6	364	12.3	335	087	5.8	6.4	9.89	0.75	1985	1982
<i>850</i>	365	1510	365	15.2	23.0	6.6	357	5.4	335	084	6.1	7.4	10.01	0.95	1989	1988
<i>800</i>	365	2024	365	13.9	20.4	6.0	314	0.1	334	077	4.9	6.5	10.50	0.93	1989	1987
<i>750</i>	365	2563	364	11.7	19.8	4.0	262	-4.2	334	074	3.8	6.0	11.08	1.17	1989	1971
<i>700</i>	365	3140	364	9.6	16.6	0.8	221	-8.0	334	074	3.3	6.0	12.82	1.13	1989	1985
<i>650</i>	356	3750	356	6.4	12.8	0.2	195	-11.5	325	074	2.5	6.0	14.78	1.04	1988	1985
<i>600</i>	353	4403	353	2.8	8.4	-2.7	190	-14.5	322	066	1.8	6.5	15.86	1.03	1988	1982
<i>550</i>	351	5102	351	-1.3	5.6	-8.0	176	-18.4	316	065	1.2	6.7	17.81	1.27	1988	1971
<i>500</i>	342	5856	341	-5.8	3.0	-12.3	163	-22.4	306	034	0.6	6.9	21.61	1.39	1983	1982
<i>450</i>	335	6674	334	-10.8	-3.9	-18.5	149	-27.2	299	316	0.9	7.8	23.22	1.60	1988	1982
<i>400</i>	330	7571	330	-16.6	-9.3	-23.1	135	-32.9	290	296	2.4	8.9	31.08	1.72	1990	1983
<i>350</i>	319	8561	318	-23.3	-16.5	-30.5	124	-39.0	277	275	4.4	10.6	36.84	1.69	1988	1983
<i>300</i>	306	9677	306	-31.5	-24.3	-38.9	106	-46.5	267	253	6.5	11.4	47.05	2.01	1990	1986
<i>250</i>	283	10940	283	-41.7	-33.9	-49.7	62	-54.9	242	238	8.3	13.0	56.20	2.25	1990	1986
<i>200</i>	257	12422	257	-53.6	-43.7	-64.9			222	225	10.3	15.4	68.12	2.48	1990	1986
<i>175</i>	223	13272	223	-60.1	-49.1	-71.1			190	224	9.3	15.4	73.96	2.50	1990	1988
<i>150</i>	199	14219	199	-67.2	-54.9	-78.7			167	229	6.9	14.3	86.73	2.48	1990	1988
<i>125</i>	159	15305	158	-73.7	-61.7	-87.1			127	216	3.3	12.1	96.83	2.78	1990	1988
<i>100</i>	122	16596	121	-79.2	-69.1	-86.0			98	094	2.1	9.2	123.02	1.98	1990	1971
<i>80</i>	94	17859	94	-77.7	-65.1	-84.5			72	105	3.5	7.4	141.23	2.63	1990	1988
<i>70</i>	81	18629	81	-74.3	-62.7	-87.9			64	122	1.9	7.0	149.76	2.55	1990	1988
<i>60</i>	71	19543	71	-70.1	-58.1	-84.0			52	061	2.7	8.4	149.01	2.45	1990	1971
<i>50</i>	59	20648	59	-64.8	-52.7	-76.0			42	088	2.5	8.6	153.99	3.27	1990	1971
<i>40</i>	45	22040	45	-60.1	-48.1	-70.0			25	052	0.7	9.7	142.96	2.93	1986	1971
<i>30</i>	35	23838	35	-55.3	-48.1	-63.9			20	083	2.7	12.1	150.31	3.84	1985	1988
<i>25</i>	27	25025	27	-52.1	-44.5	-59.1			13	096	4.0	11.5	154.44	2.88	1990	1988
<i>20</i>	22	26462	22	-49.3	-39.5	-57.1			10	126	2.1	10.5	198.12	3.22	1990	1988
<i>15</i>	16	28347	16	-46.5	-37.9	-49.9			3	352	1.7	8.3			1983	1987
<i>10</i>	6	31109	6	-41.0	-30.5	-45.3									1983	1990
<i>7</i>	2	33855	2	-39.6	-36.3	-42.9									1990	1990

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

349 564 489

100 096 1682 -81.1

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDDT	YRTX	YRTN
<i>SURFACE</i>	367	910	367	17.8	22.0	13.0	367	14.3	366	100	2.0	2.5	1.27	0.95	1983	1990
1000	362	109											11.28			
950	359	550											11.94			
900	353	1017	350	17.8	22.0	8.0	350	12.8	330	106	4.1	5.7	12.27	0.90	1971	1974
850	350	1506	350	17.5	26.6	11.0	344	6.7	329	101	4.3	7.1	13.08	1.12	1989	1971
800	350	2022	349	15.0	22.8	8.8	320	3.0	330	072	3.2	6.2	14.64	1.21	1990	1986
750	350	2563	349	11.8	19.6	5.0	299	-1.0	331	050	3.3	5.9	16.37	1.25	1989	1986
700	350	3139	349	8.9	17.6	3.0	264	-6.0	331	049	2.6	6.0	17.86	1.44	1989	1971
650	344	3748	344	6.2	13.4	-6.5	205	-11.4	322	035	1.4	6.3	19.67	1.24	1989	1983
600	342	4402	342	3.0	10.4	-3.3	174	-15.5	315	356	0.9	7.0	21.29	1.04	1990	1986
550	338	5100	338	-1.0	6.2	-12.0	150	-19.3	314	312	1.5	7.3	24.01	1.14	1990	1973
500	331	5856	331	-5.5	1.0	-11.7	133	-23.1	307	290	2.3	8.1	25.56	1.20	1990	1986
450	330	6674	330	-10.4	-2.3	-17.1	128	-27.7	304	279	3.4	8.7	26.69	1.17	1990	1986
400	327	7574	326	-16.0	-6.3	-22.3	118	-33.2	302	282	5.3	10.3	32.48	1.26	1990	1988
350	314	8567	313	-22.8	-14.3	-29.9	101	-39.6	292	281	7.2	11.7	37.56	1.59	1988	1988
300	308	9684	307	-31.0	-23.3	-37.9	89	-46.5	283	265	8.6	12.9	44.71	1.85	1990	1988
250	287	10952	286	-40.9	-32.5	-50.0	50	-55.5	250	255	9.1	13.6	54.41	2.18	1986	1971
200	269	12432	269	-53.0	-43.5	-64.0			226	250	7.4	13.3	70.12	2.43	1990	1971
175	243	13286	243	-59.6	-51.1	-69.7			195	254	6.8	13.6	80.53	2.53	1990	1982
150	219	14241	219	-66.5	-56.1	-76.9			171	253	5.4	12.9	94.29	2.70	1983	1982
125	173	15319	173	-73.0	-62.3	-83.7			128	242	2.6	11.8	111.23	3.22	1990	1982
100	134	16601	134	-78.8	-68.1	-88.5			94	260	1.0	10.1	124.28	2.13	1982	1983
80	104	17880	104	-77.3	-65.1	-88.0			73	321	1.6	6.7	137.37	2.86	1990	1973
70	99	18654	99	-74.0	-59.9	-84.0			66	002	0.7	6.9	148.87	3.31	1990	1973
60	80	19578	80	-69.4	-53.1	-79.9			50	118	1.3	7.9	153.53	3.85	1990	1987
50	68	20703	68	-63.4	-49.1	-75.5			39	086	3.5	8.7	167.00	3.61	1990	1988
40	59	22105	59	-58.5	-43.1	-68.1			30	083	4.0	9.5	176.72	3.00	1990	1988
30	47	23946	47	-53.5	-35.5	-64.0			17	082	3.8	8.3	233.47	4.43	1990	1973
25	41	25123	41	-51.9	-41.9	-67.9			14	099	4.8	9.0	200.77	2.60	1990	1983
20	39	26572	39	-48.5	-37.5	-59.3			14	081	2.7	8.8	200.80	2.95	1989	1988
15	29	28460	29	-46.2	-40.1	-56.7			7	276	1.7	9.3	194.99	2.89	1990	1988
10	20	31199	20	-42.3	-37.1	-49.9			3	261	14.9	15.0			1988	1987
7	8	33712	8	-39.8	-33.1	-47.9			1	260	14.0	14.0			1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
339	563	491					112	095	1690	-81.2

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	434	910	434	20.3	24.8	15.0	434	15.4	434	121	1.2	2.3	0.65	1.01	1983	1972
1000	428	98											5.42			
950	428	544											4.73			
900	425	1014	424	20.2	24.8	15.0	424	13.9	411	135	2.5	4.9	4.98	0.97	1990	1972
850	424	1508	424	19.4	26.2	8.0	422	7.3	411	126	3.5	6.8	6.43	0.96	1983	1974
800	424	2027	424	16.8	23.4	11.0	415	2.8	411	082	4.3	7.2	8.00	1.08	1982	1971
750	424	2571	424	12.9	21.0	6.0	405	-0.4	411	061	5.3	7.4	9.55	1.15	1988	1974
700	424	3149	424	8.7	17.0	-7.7	389	-4.3	411	053	5.5	7.6	11.30	1.15	1972	1983
650	421	3757	421	5.2	13.4	-4.7	340	-9.5	406	056	4.8	7.4	14.17	1.38	1990	1981
600	420	4407	420	2.3	11.6	-4.5	257	-14.9	403	065	3.4	7.1	17.14	1.39	1990	1982
550	416	5106	416	-1.3	6.6	-8.0	213	-20.1	397	057	2.0	7.1	19.79	1.38	1990	1972
500	413	5861	413	-5.7	2.4	-14.1	178	-25.1	393	006	1.1	7.6	23.35	1.58	1988	1982
450	409	6678	409	-10.7	-2.1	-19.9	165	-29.6	385	311	2.1	8.0	26.35	1.66	1988	1982
400	401	7577	400	-16.5	-7.5	-24.0	153	-35.1	375	282	4.3	9.2	32.76	1.89	1988	1974
350	397	8567	397	-23.2	-15.9	-30.0	145	-40.6	367	275	6.5	11.2	40.41	1.96	1988	1972
300	386	9682	386	-31.3	-23.1	-39.0	133	-47.7	352	264	8.6	12.8	47.70	2.02	1990	1974
250	362	10948	362	-41.1	-31.1	-50.9	62	-56.1	319	256	9.8	13.9	58.14	2.09	1990	1982
200	345	12428	345	-52.8	-42.7	-72.0			291	244	10.2	14.5	70.44	2.34	1990	1974
175	316	13279	316	-59.4	-49.3	-72.3			258	244	9.0	13.7	78.76	2.44	1990	1983
150	288	14234	288	-66.3	-56.5	-80.1			229	246	7.0	12.7	85.31	2.50	1990	1983
125	249	15322	249	-72.8	-61.3	-86.5			196	250	3.5	10.6	97.06	3.07	1990	1983
100	208	16606	208	-78.7	-67.1	-90.5			160	116	0.7	8.5	115.60	3.00	1989	1982
80	170	17880	170	-76.9	-65.1	-88.1			118	088	1.5	7.2	126.15	2.54	1989	1981
70	148	18665	148	-73.3	-60.1	-86.3			96	158	0.3	7.2	133.64	2.69	1989	1982
60	137	19578	137	-68.5	-54.5	-79.3			83	265	1.3	7.7	144.31	2.70	1989	1982
50	119	20699	119	-62.4	-48.7	-73.1			67	076	0.1	9.2	148.66	3.07	1989	1988
40	91	22127	91	-56.8	-43.9	-69.3			45	290	1.0	10.4	189.75	3.94	1982	1987
30	74	23980	74	-51.5	-37.1	-65.1			28	104	4.0	9.7	170.06	3.43	1990	1987
25	61	25168	61	-49.8	-34.5	-62.9			17	102	2.1	8.8	161.24	2.72	1989	1987
20	52	26623	52	-47.4	-35.1	-59.9			13	085	7.2	12.0	166.79	2.81	1989	1987
15	39	28503	39	-44.8	-37.5	-56.1			4	088	15.5	19.8	194.92	2.74	1984	1987
10	29	31177	29	-41.1	-32.5	-50.3			3	089	8.4	21.0	334.37	4.50	1987	1987
7	13	33476	13	-40.2	-29.9	-47.3			2	178	9.3	35.0			1984	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
419	569	483						181	094	1693	-81.0

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	419	908	419	22.5	26.2	18.0	419	18.5	419	214	1.0	2.1	0.71	0.54	1990	1971
1000	408	77											7.46			
950	404	524											8.25			
900	401	1000	401	22.3	26.0	17.8	400	17.7	389	215	2.1	4.4	8.20	0.54	1990	1987
850	401	1497	401	20.8	27.2	12.6	398	12.7	389	203	2.4	5.6	8.96	0.92	1989	1987
800	401	2020	401	18.5	24.6	8.6	390	7.0	388	097	2.5	5.7	10.45	0.99	1982	1985
750	401	2566	401	14.9	20.8	6.0	383	2.4	388	064	5.6	7.0	11.91	1.17	1982	1973
700	400	3150	400	10.6	17.6	3.8	372	-1.1	385	057	7.3	8.3	13.86	1.30	1988	1981
650	391	3751	391	6.2	13.8	0.6	352	-5.2	374	056	7.4	8.6	16.23	1.44	1988	1987
600	389	4414	389	2.6	10.4	-3.7	305	-10.1	372	060	6.1	8.1	18.84	1.74	1988	1981
550	387	5113	387	-0.8	6.8	-10.0	251	-15.9	370	068	3.8	6.7	22.27	1.73	1990	1973
500	386	5870	385	-4.8	1.8	-12.0	205	-21.2	368	083	1.8	6.5	26.46	1.58	1990	1971
450	382	6691	381	-9.6	7.8	-16.9	183	-26.2	360	054	1.1	6.9	28.98	1.59	1985	1984
400	377	7593	376	-15.4	-7.5	-21.0	165	-31.5	355	323	1.4	7.9	36.34	1.56	1990	1971
350	374	8587	373	-22.1	-14.1	-28.7	147	-37.3	347	278	2.7	9.2	42.19	1.73	1990	1982
300	364	9708	364	-30.1	-20.5	-37.0	125	-44.2	336	268	4.6	10.3	50.68	2.07	1990	1972
250	358	10981	358	-40.0	-31.1	-46.1	77	-52.3	325	249	6.9	11.5	60.99	2.30	1990	1981
200	349	12457	349	-51.8	-42.7	-62.5	5	-58.2	313	238	7.6	12.1	77.86	2.53	1990	1986
175	327	13321	327	-58.5	-48.1	-66.1			282	234	7.5	11.9	85.90	2.65	1990	1982
150	297	14275	297	-65.7	-53.5	-76.0			257	236	5.5	10.5	97.43	2.66	1990	1974
125	260	15368	260	-72.5	-60.7	-86.5			212	229	2.7	9.3	112.17	3.16	1988	1984
100	219	16662	219	-78.4	-63.9	-88.5			170	103	2.3	8.1	132.46	3.00	1990	1982
80	177	17954	176	-76.4	-64.7	-87.9			134	092	4.7	8.4	153.73	2.49	1990	1984
70	163	18739	163	-72.5	-58.0	-88.9			121	111	2.3	7.2	160.70	2.64	1971	1984
60	140	19665	140	-67.3	-54.9	-81.9			101	089	0.5	7.8	174.63	3.02	1990	1984
50	122	20787	122	-61.1	-47.5	-75.9			85	311	0.4	9.5	189.73	2.71	1990	1984
40	97	22213	97	-55.9	-45.1	-74.3			64	101	2.3	8.5	199.50	3.45	1989	1984
30	86	24076	86	-50.4	-39.3	-66.7			50	097	5.0	8.7	223.06	3.77	1989	1984
25	75	25272	75	-47.9	-35.1	-64.3			35	084	6.1	10.3	222.52	4.00	1986	1984
20	61	26743	61	-45.3	-37.1	-59.5			27	092	9.0	11.8	246.37	4.56	1981	1984
15	43	28625	43	-42.7	-32.9	-61.3			5	107	12.6	14.6	347.86	6.90	1983	1982
10	24	31277	24	-39.5	-31.1	-50.1			3	093	18.9	21.3	363.73	2.62	1987	1984
7	11	33564	11	-38.7	-34.1	-47.3			1	080	29.0	29.0			1984	1984

FREEZING LEVEL

N P ALT

328 563 493

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

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195 094 1703 -80.4

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	434	907	434	22.2	25.0	18.6	434	19.4	433	264	2.3	2.9	1.10	0.48	1973	1981
<i>1000</i>	422	65											8.10			
<i>950</i>	422	512											8.80			
<i>900</i>	417	988	417	22.0	25.0	19.0	417	18.7	403	266	4.0	5.2	9.48	0.46	1973	1971
<i>850</i>	417	1484	417	20.7	28.0	13.0	417	14.9	403	277	4.9	7.2	10.20	1.02	1985	1971
<i>800</i>	417	2008	417	18.6	25.6	11.0	416	10.4	403	322	2.2	6.3	11.29	1.25	1989	1989
<i>750</i>	417	2556	417	15.4	22.0	8.8	414	6.1	403	038	3.7	6.4	12.30	1.38	1983	1987
<i>700</i>	417	3141	417	11.4	18.0	5.0	411	1.7	403	049	5.5	7.6	13.52	1.35	1983	1974
<i>650</i>	414	3754	414	7.0	14.6	-1.0	403	-2.5	394	054	6.4	8.5	16.17	1.25	1982	1974
<i>600</i>	411	4409	410	2.7	10.0	-3.3	382	-6.4	390	051	6.0	8.2	18.29	1.28	1982	1987
<i>550</i>	403	5107	402	-1.1	5.0	-8.0	346	-11.0	380	060	4.8	7.7	20.42	1.30	1988	1973
<i>500</i>	400	5864	399	-4.8	1.8	-10.0	301	-16.1	377	069	3.1	7.0	22.73	1.25	1984	1972
<i>450</i>	397	6688	396	-9.1	-1.3	-14.3	272	-21.4	365	066	2.4	7.1	23.34	1.45	1988	1982
<i>400</i>	396	7590	396	-14.5	-6.9	-20.9	241	-27.1	363	057	1.6	6.9	31.01	1.55	1988	1987
<i>350</i>	392	8589	391	-21.2	-12.1	-28.5	226	-33.0	358	060	1.2	6.9	37.74	1.76	1988	1987
<i>300</i>	385	9713	384	-29.2	-19.9	-37.1	192	-40.4	349	085	0.6	6.5	44.74	2.04	1988	1987
<i>250</i>	370	10991	369	-39.1	-29.5	-49.0	103	-49.1	333	137	1.2	7.2	55.09	2.25	1988	1971
<i>200</i>	361	12483	361	-51.0	-39.5	-60.3	3	-58.7	312	132	3.0	8.8	70.76	2.42	1988	1987
<i>175</i>	342	13340	342	-57.9	-46.1	-67.3			288	127	5.2	10.3	80.60	2.46	1988	1985
<i>150</i>	322	14293	322	-65.5	-53.9	-75.7			270	117	7.2	12.0	92.25	2.29	1988	1986
<i>125</i>	280	15381	280	-72.7	-62.1	-84.0			220	105	9.0	12.5	103.21	2.52	1988	1972
<i>100</i>	251	16665	251	-78.7	-67.3	-92.5			193	099	11.3	12.9	121.87	2.24	1988	1986
<i>80</i>	211	17947	211	-76.2	-59.9	-87.1			149	093	9.1	11.0	135.86	2.82	1990	1981
<i>70</i>	186	18723	186	-72.0	-56.1	-85.7			126	089	6.8	9.3	141.30	2.87	1990	1983
<i>60</i>	166	19547	166	-67.0	-51.9	-82.9			102	096	6.1	8.8	148.37	3.05	1990	1985
<i>50</i>	148	20774	148	-60.9	-46.1	-78.7			88	089	7.2	9.6	158.89	4.03	1990	1985
<i>40</i>	123	22197	123	-56.3	-43.5	-72.3			56	091	8.2	10.0	192.09	4.57	1990	1985
<i>30</i>	108	24064	108	-50.8	-40.9	-63.9			36	098	8.7	11.4	215.04	3.88	1990	1985
<i>25</i>	98	25257	98	-48.0	-36.9	-60.7			22	106	8.3	12.4	228.68	2.91	1989	1985
<i>20</i>	86	26715	86	-45.3	-31.1	-58.5			17	104	9.7	13.4	236.87	2.77	1990	1985
<i>15</i>	62	28615	62	-42.8	-29.5	-56.1			3	099	8.9	10.7	257.42	2.81	1989	1985
<i>10</i>	35	31313	35	-40.4	-32.7	-52.9							285.55	3.50	1984	1985
<i>7</i>	21	33714	21	-38.4	-28.9	-50.1							306.17	3.91	1986	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

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407 564 490

224 095 1695 -80.6

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	119	906	419	20.4	23.5	17.4	418	18.7	419	263	4.2	4.5	0.60	0.41	1983	1982
1000	396	62											6.72			
950	395	508											5.97			
900	390	979	390	20.2	25.6	18.0	389	18.4	349	262	7.2	7.6	7.90	0.46	1984	1971
850	390	1473	390	18.4	26.8	12.6	389	15.6	349	269	12.2	12.9	9.03	1.17	1983	1984
800	390	1993	390	16.6	25.8	10.8	389	12.0	349	277	12.2	13.3	10.07	1.39	1983	1984
750	390	2539	390	14.3	21.8	8.4	389	7.9	348	282	8.9	10.8	11.57	1.19	1983	1985
700	390	3122	390	11.1	16.8	5.8	388	3.7	348	283	6.6	9.4	14.26	1.09	1982	1984
650	389	3736	389	7.5	12.8	0.0	386	0.3	339	279	5.1	8.4	16.01	1.12	1982	1974
600	386	4393	386	3.6	9.2	-4.1	378	-3.3	332	271	3.9	7.7	18.75	1.13	1990	1984
550	381	5094	380	-0.3	5.0	-7.5	366	-7.3	320	265	3.9	7.5	20.81	1.15	1983	1984
500	378	5854	377	-4.3	3.6	-10.3	350	-12.0	315	257	3.4	6.9	24.42	1.23	1982	1981
450	375	6677	375	-8.8	-1.9	-14.3	335	-17.3	296	257	2.2	5.9	25.99	1.23	1985	1981
400	372	7585	371	-14.2	-0.3	-19.7	314	-23.3	293	322	0.3	5.5	31.64	1.17	1989	1981
350	360	8584	359	-20.8	-13.9	-29.7	279	-30.4	282	076	2.2	5.7	36.96	1.28	1989	1985
300	350	9711	349	-28.8	-21.1	-37.7	228	-38.6	278	081	5.1	7.0	42.95	1.50	1989	1981
250	338	10992	338	-38.8	-31.3	-49.5	143	-47.8	266	086	9.4	10.6	51.14	1.70	1990	1981
200	325	12486	325	-50.8	-41.9	-60.7	12	-58.4	253	086	16.7	17.7	61.75	1.94	1990	1981
175	302	13348	302	-57.7	-48.9	-69.1			233	086	21.6	22.5	68.52	1.99	1990	1981
150	278	14304	278	-65.2	-54.9	-77.7			214	085	26.0	27.0	79.02	2.05	1990	1981
125	236	15400	236	-72.3	-60.3	-84.3			172	087	29.3	30.3	92.16	2.60	1990	1985
100	191	16698	190	-78.0	-65.3	-88.3			126	092	27.1	27.9	121.80	2.99	1990	1987
80	151	17995	150	-74.1	-61.9	-88.9			88	092	19.9	21.0	138.92	3.45	1981	1987
70	139	18791	139	-69.6	-56.3	-86.5			76	089	15.4	16.2	151.41	3.71	1981	1985
60	126	19717	126	-64.5	-50.1	-77.1			57	089	13.8	15.0	171.37	3.72	1981	1985
50	113	20863	113	-59.1	-43.3	-70.0			46	085	14.6	15.8	197.42	3.72	1981	1973
40	98	22295	98	-54.6	-39.1	-71.0			29	089	18.6	19.1	233.03	4.21	1990	1973
30	85	24160	85	-49.8	-39.1	-60.5			19	092	16.4	16.9	277.09	4.33	1990	1986
25	74	25353	74	-47.0	-36.1	-57.7			9	099	17.6	17.9	267.55	2.78	1989	1986
20	64	26640	64	-44.3	-33.1	-57.7			7	096	17.0	17.1	278.87	2.47	1990	1986
15	43	28763	43	-41.6	-30.1	-56.3			5	100	14.4	14.6	329.80	3.73	1990	1987
10	20	31350	20	-40.6	-33.1	-56.3									1990	1987
7	5	33898	5	-36.0	-33.7	-37.7									1984	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
384	553	504					166	098	1679	-80.0

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	433	906	433	20.1	23.0	17.6	431	18.5	428	263	3.8	4.1	0.85	0.34	1987	1989
<i>1000</i>	402	67											6.14			
<i>950</i>	402	512											7.57			
<i>900</i>	395	984	394	19.7	22.4	17.8	393	18.2	349	263	6.9	7.2	7.80	0.37	1987	1989
<i>850</i>	394	1476	394	17.4	23.4	11.0	393	15.3	349	272	12.2	12.7	8.88	0.78	1988	1972
<i>800</i>	393	1995	393	15.5	23.0	8.8	392	12.1	348	279	12.8	13.6	10.60	0.95	1988	1982
<i>750</i>	393	2538	393	13.2	20.8	6.4	392	8.3	345	281	10.4	11.4	12.06	0.94	1988	1982
<i>700</i>	392	3120	392	10.3	18.0	3.4	391	4.4	346	283	8.4	9.3	13.72	0.93	1988	1989
<i>650</i>	391	3732	391	6.9	15.8	0.0	389	0.6	337	280	6.9	8.0	15.81	1.00	1988	1974
<i>600</i>	386	4389	386	3.2	12.8	-3.1	383	-2.9	329	276	5.8	7.4	17.70	1.12	1988	1981
<i>550</i>	384	5089	384	-0.5	9.0	-6.0	369	-6.8	326	269	5.0	6.9	20.69	1.18	1988	1971
<i>500</i>	382	5849	382	-4.6	3.8	-15.0	350	-11.3	324	261	3.9	6.7	24.44	1.37	1988	1974
<i>450</i>	373	6672	373	-9.1	-1.3	-16.0	335	-16.9	316	256	2.0	6.1	26.37	1.40	1988	1974
<i>400</i>	370	7578	370	-14.5	-5.5	-21.0	323	-23.0	310	124	0.6	5.7	33.59	1.46	1988	1974
<i>350</i>	363	8578	363	-21.1	-11.9	-29.0	307	-29.9	305	095	3.5	6.5	39.06	1.65	1990	1974
<i>300</i>	353	9704	353	-29.1	-18.1	-36.3	263	-37.7	299	089	7.9	9.2	45.81	1.80	1990	1985
<i>250</i>	340	10985	340	-38.9	-25.5	-46.9	148	-46.7	286	089	13.8	14.7	55.65	1.97	1990	1981
<i>200</i>	320	12480	320	-50.8	-35.1	-64.9	5	-57.3	273	086	23.1	23.8	70.64	2.10	1990	1981
<i>175</i>	296	13338	296	-57.7	-40.5	-75.9	1	-63.1	248	084	28.3	28.9	82.02	2.28	1990	1981
<i>150</i>	279	14295	279	-65.2	-44.7	-76.5			229	084	32.5	33.1	91.42	2.33	1983	1985
<i>125</i>	230	15378	230	-72.6	-61.3	-83.9			163	086	36.1	37.0	102.79	2.40	1989	1981
<i>100</i>	186	16657	185	-76.8	-61.9	-88.7			127	092	34.0	34.7	118.42	2.94	1990	1984
<i>80</i>	140	17961	140	-71.2	-59.7	-82.3			91	088	23.4	24.1	147.17	3.02	1990	1985
<i>70</i>	127	18764	127	-67.1	-55.3	-80.1			83	093	20.3	21.0	145.78	3.29	1981	1985
<i>60</i>	116	19699	116	-63.3	-50.5	-77.1			62	089	19.1	19.7	154.20	3.48	1981	1985
<i>50</i>	100	20842	100	-58.6	-44.9	-72.9			49	093	21.2	21.8	180.00	4.07	1981	1984
<i>40</i>	85	22261	85	-54.8	-42.5	-66.1			27	089	23.2	23.5	216.99	4.59	1989	1983
<i>30</i>	77	24108	77	-50.4	-36.7	-64.0			15	091	27.1	27.3	235.90	5.13	1989	1972
<i>25</i>	71	25286	71	-47.9	-34.9	-62.0			9	100	25.8	26.4	253.92	5.31	1989	1972
<i>20</i>	58	26769	58	-45.3	-32.7	-58.3			3	084	30.0	30.3	229.69	3.90	1989	1987
<i>15</i>	34	28608	34	-44.2	-35.9	-56.7							267.84	3.22	1981	1987
<i>10</i>	12	31177	12	-42.7	-37.7	-53.9									1987	1987
<i>7</i>	3	33414	3	-43.7	-36.1	-51.1									1983	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

386 555 500

166 104 1644 -78.8

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	434	906	434	19.9	24.0	18.0	434	18.6	432	268	3.7	3.8	0.76	0.29	1983	1971
1000	418	69											4.81			
950	417	514											6.26			
900	409	986	409	19.5	25.8	14.4	409	18.2	356	269	6.4	6.6	6.39	0.39	1987	1984
850	409	1477	409	17.2	24.8	13.0	409	15.4	356	276	11.0	11.4	7.52	0.81	1987	1971
800	409	1995	409	15.1	22.8	9.2	409	12.4	356	285	12.4	13.0	9.77	0.95	1987	1982
750	409	2538	409	13.0	22.2	7.0	409	8.7	355	289	10.4	11.1	11.45	1.05	1987	1982
700	409	3119	409	10.1	17.8	4.4	408	4.6	354	289	8.5	9.3	13.37	1.10	1987	1984
650	404	3731	403	6.8	14.0	-1.0	401	0.6	349	287	7.0	7.9	15.33	1.21	1987	1973
600	404	4386	403	3.3	10.0	-3.3	399	-3.1	347	279	5.9	7.3	17.98	1.16	1990	1982
550	400	5087	398	-0.4	6.0	-7.3	384	-7.0	343	269	4.7	6.4	20.50	1.17	1987	1982
500	400	5847	398	-4.3	2.0	-11.9	377	-12.2	343	260	3.6	6.1	23.17	1.21	1987	1982
450	394	6670	393	-8.9	-2.3	-15.7	367	-17.9	336	251	1.9	5.7	26.69	1.30	1990	1982
400	389	7576	388	-14.3	-5.1	-20.5	342	-23.9	335	128	0.6	5.8	31.32	1.38	1990	1985
350	374	8576	372	-21.0	-11.7	-27.1	303	-30.8	322	095	3.5	6.6	36.55	1.52	1989	1985
300	366	9701	365	-29.1	-21.7	-35.9	250	-38.5	317	096	7.5	9.0	42.71	1.65	1989	1982
250	358	10980	358	-39.0	-29.7	-46.5	151	-47.5	303	092	13.8	14.6	51.45	1.93	1989	1985
200	346	12475	346	-50.5	-39.3	-61.3	17	-56.5	290	087	22.5	23.1	65.78	2.21	1989	1985
175	317	13334	317	-57.7	-45.5	-66.3	1	-59.9	263	084	27.1	27.7	74.96	2.22	1989	1986
150	289	14290	289	-65.1	-53.1	-74.7			229	083	30.6	31.4	89.46	2.29	1989	1986
125	245	15378	245	-72.4	-60.9	-84.7			181	085	33.3	34.1	107.25	2.56	1989	1987
100	204	16677	204	-77.0	-65.3	-85.5			132	088	28.6	29.4	108.13	2.14	1981	1987
80	175	17966	175	-71.0	-59.3	-82.3			100	089	19.6	20.4	99.94	2.74	1982	1987
70	160	18766	160	-67.2	-50.5	-77.7			87	085	18.9	19.6	106.29	2.65	1990	1987
60	135	19696	135	-63.7	-50.5	-73.1			58	085	20.3	20.8	112.58	2.89	1981	1987
50	116	20832	116	-59.7	-45.1	-69.0			41	091	21.2	21.6	129.23	2.87	1981	1971
40	95	22261	95	-55.9	-45.5	-65.5			24	087	19.5	20.1	138.72	3.09	1982	1982
30	82	24114	82	-51.2	-37.7	-62.1			21	089	22.8	23.0	180.00	3.65	1982	1982
25	70	25312	70	-49.1	-39.5	-59.7			12	101	22.0	23.3	136.12	2.27	1982	1982
20	58	26773	58	-46.5	-36.5	-58.1			7	086	18.7	20.1	126.33	1.37	1982	1937
15	41	28629	41	-44.9	-36.7	-56.1			2	088	20.4	20.5	144.66	1.73	1990	1987
10	24	31305	24	-42.7	-33.5	-53.3							192.86	2.25	1982	1987
7	11	33760	11	-39.7	-30.7	-47.1									1982	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
400	555	502					196	103	1649	-78.9

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	420	907	420	20.1	22.8	17.0	420	18.9	420	269	2.2	2.6	0.80	0.35	1987	1973
<i>1000</i>	405	76											6.38			
<i>950</i>	405	523											8.90			
<i>900</i>	399	992	399	19.8	26.0	13.8	399	18.3	353	275	4.0	5.0	7.20	0.38	1982	1982
<i>850</i>	399	1485	398	17.9	23.8	13.4	398	15.1	353	284	6.1	7.7	8.14	0.68	1987	1984
<i>800</i>	399	2004	398	15.7	21.8	10.0	398	11.8	350	291	4.6	7.0	9.93	0.94	1987	1972
<i>750</i>	399	2547	398	12.9	19.8	5.0	396	8.1	349	300	3.0	6.3	12.36	1.10	1990	1972
<i>700</i>	398	3127	398	9.8	16.0	4.0	395	4.1	349	301	2.6	5.9	13.47	1.16	1990	1985
<i>650</i>	394	3739	394	6.6	14.5	-2.9	391	-0.1	345	293	2.3	5.9	15.22	1.20	1990	1982
<i>600</i>	387	4395	387	3.0	9.4	-2.0	384	-4.1	334	276	1.6	5.8	18.35	1.24	1983	1971
<i>550</i>	385	5096	385	-0.7	5.2	-6.1	369	-8.0	329	230	0.9	6.0	21.44	1.21	1983	1984
<i>500</i>	382	5855	382	-4.8	1.2	-11.7	361	-12.7	327	121	0.8	5.8	23.20	1.25	1988	1984
<i>450</i>	379	6675	379	-9.4	-2.1	-15.9	345	-18.0	322	105	2.1	6.1	27.11	1.28	1988	1982
<i>400</i>	376	7579	376	-14.9	-9.1	-22.3	321	-24.1	320	097	3.6	6.6	30.08	1.35	1983	1982
<i>350</i>	368	8576	367	-21.6	-14.5	-28.9	273	-30.7	307	097	5.5	7.4	36.05	1.51	1990	1982
<i>300</i>	363	9700	361	-29.7	-21.7	-38.1	244	-39.0	303	093	8.4	9.4	42.01	1.60	1990	1985
<i>250</i>	344	10978	342	-39.7	-31.7	-46.1	139	-48.5	286	093	11.5	12.3	48.71	1.79	1990	1987
<i>200</i>	326	12467	326	-52.0	-41.7	-59.5	15	-58.3	264	089	16.8	17.7	61.03	1.95	1984	1985
<i>175</i>	302	13319	302	-59.1	-47.9	-68.7	2	-62.2	238	089	20.3	21.1	70.97	2.27	1990	1984
<i>150</i>	279	14269	279	-66.7	-53.9	-75.1			210	088	24.3	25.2	80.88	2.44	1990	1985
<i>125</i>	234	15350	234	-73.5	-58.7	-85.1			159	089	27.2	28.2	98.85	3.06	1990	1985
<i>100</i>	191	16647	191	-76.7	-60.5	-88.3			118	094	22.0	22.8	116.78	2.44	1990	1987
<i>80</i>	157	17960	156	-71.1	-55.9	-81.0			85	091	15.1	16.1	133.65	2.66	1990	1972
<i>70</i>	137	18762	137	-67.7	-53.5	-77.1			76	085	13.2	14.6	152.64	2.61	1990	1987
<i>60</i>	114	19708	114	-63.5	-50.9	-72.9			50	086	13.7	14.7	166.27	2.59	1990	1987
<i>50</i>	93	20876	93	-59.0	-47.1	-68.3			39	086	14.6	15.6	173.91	2.90	1990	1987
<i>40</i>	81	22317	81	-54.8	-40.3	-64.5			24	093	13.9	15.0	204.93	3.10	1990	1987
<i>30</i>	69	24187	69	-50.3	-40.1	-59.1			14	097	13.5	14.2	178.58	4.34	1982	1987
<i>25</i>	60	25371	60	-48.2	-35.9	-58.5			10	087	9.3	10.5	139.51	3.75	1982	1984
<i>20</i>	51	26828	51	-45.5	-31.1	-54.9			9	085	12.1	13.1	163.43	3.07	1988	1984
<i>15</i>	30	28689	30	-44.8	-33.7	-51.5			3	088	9.0	10.0	140.03	2.65	1982	1988
<i>10</i>	15	31383	15	-43.1	-31.1	-47.7			1	041	6.0	6.0			1982	1984
<i>7</i>	8	33691	8	-41.5	-33.7	-46.7			1	094	11.9	12.0			1982	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

389 559 495 188 105 1637 -78.5

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	434	909	434	19.8	22.0	14.0	434	18.3	434	313	0.2	2.2	0.96	0.40	1972	1974
<i>1000</i>	407	89											5.53			
<i>950</i>	407	533											8.23			
<i>900</i>	402	1004	402	19.5	23.2	15.0	402	17.6	382	016	0.6	5.2	8.52	0.43	1988	1974
<i>850</i>	402	1496	402	17.7	24.0	10.8	402	13.5	382	028	1.3	6.6	10.26	0.79	1990	1990
<i>800</i>	402	2013	402	15.2	22.8	8.6	401	9.8	381	028	2.2	6.6	12.27	0.93	1989	1984
<i>750</i>	402	2556	401	12.1	20.6	5.0	399	6.2	382	025	2.2	6.1	14.93	0.91	1990	1974
<i>700</i>	402	3134	401	9.1	18.0	3.4	396	2.3	381	025	1.5	5.7	15.73	0.90	1990	1984
<i>650</i>	399	3744	395	6.1	14.8	0.4	378	-1.9	376	066	0.7	5.6	17.81	0.92	1990	1985
<i>600</i>	397	4399	393	3.0	11.0	-3.1	349	-5.8	372	104	0.8	5.6	18.88	0.89	1990	1985
<i>550</i>	395	5098	391	-0.6	7.6	-7.1	326	-9.7	364	098	0.9	5.4	21.15	1.02	1990	1985
<i>500</i>	394	5857	392	-4.7	2.4	-11.1	308	-13.9	361	096	1.3	5.5	22.94	1.10	1990	1985
<i>450</i>	386	6679	386	-9.4	9.4	-16.9	292	-19.1	348	094	1.8	5.5	25.07	1.18	1982	1985
<i>400</i>	385	7582	385	-14.9	-8.3	-23.1	269	-25.1	345	093	2.6	6.0	28.76	1.23	1990	1985
<i>350</i>	379	8579	379	-21.6	-11.5	-28.1	242	-31.7	332	098	3.3	6.2	33.62	1.33	1987	1985
<i>300</i>	368	9700	368	-29.8	-21.3	-37.1	198	-39.7	322	099	4.4	6.5	39.02	1.52	1989	1985
<i>250</i>	351	10974	351	-40.1	-29.5	-48.9	102	-48.6	304	105	5.8	8.2	47.36	1.81	1989	1981
<i>200</i>	336	12457	336	-52.6	-38.5	-61.9	7	-56.3	285	106	8.6	11.1	59.87	2.21	1989	1981
<i>175</i>	304	13304	304	-59.7	-45.1	-70.9	2	-62.0	258	105	10.7	13.1	69.00	2.26	1989	1981
<i>150</i>	277	14249	277	-67.2	-51.9	-78.3	1	-60.1	233	104	12.9	14.9	77.18	2.28	1989	1985
<i>125</i>	224	15328	224	-74.0	-59.1	-84.7	1	-67.3	182	105	15.6	17.0	91.21	2.72	1989	1981
<i>100</i>	180	16608	180	-78.1	-66.1	-86.0			140	096	12.2	13.6	111.05	2.19	1989	1972
<i>80</i>	141	17902	141	-73.4	-62.1	-86.0			106	091	8.4	9.8	124.85	2.82	1989	1974
<i>70</i>	126	18697	126	-69.6	-59.7	-83.3			90	087	8.3	9.2	127.56	2.96	1990	1987
<i>60</i>	111	19633	111	-65.1	-55.9	-74.9			70	077	7.7	9.1	163.12	2.87	1989	1981
<i>50</i>	91	20785	91	-59.9	-49.5	-80.0			54	087	8.6	9.5	180.00	3.21	1989	1972
<i>40</i>	75	22230	75	-54.9	-45.1	-73.0			42	092	10.6	11.5	176.37	3.74	1985	1972
<i>30</i>	63	24115	63	-49.9	-35.5	-57.3			29	093	14.8	15.4	181.46	2.60	1985	1983
<i>25</i>	52	25288	52	-48.4	-39.5	-55.5			21	094	17.6	18.5	191.00	2.51	1988	1985
<i>20</i>	45	26770	45	-46.3	-38.5	-54.5			14	097	19.3	19.5	189.07	3.59	1988	1984
<i>15</i>	34	28681	34	-44.4	-34.3	-50.9			9	094	23.3	23.6	218.12	4.02	1981	1989
<i>10</i>	19	31446	19	-41.5	-36.9	-49.3			5	095	22.7	23.4			1988	1984
<i>7</i>	6	33848	6	-40.2	-36.7	-45.5									1988	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

392 558 498

175 104 1637 -79.7

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	420	910	420	17.8	21.2	13.0	420	16.1	420	068	1.9	2.5	0.76	0.68	1982	1973
<i>1000</i>	412	105											8.69			
<i>950</i>	412	549											9.19			
<i>900</i>	405	1015	400	17.7	21.0	13.0	400	15.2	378	064	4.6	6.1	9.67	0.71	1987	1973
<i>850</i>	400	1504	400	16.4	22.0	10.2	399	10.7	380	058	4.9	7.4	10.64	1.17	1985	1985
<i>800</i>	400	2019	400	14.1	20.2	7.0	390	6.9	379	054	3.8	6.5	12.07	1.19	1990	1971
<i>750</i>	400	2560	400	11.7	18.0	5.0	367	2.9	377	058	2.8	5.6	13.62	1.15	1990	1971
<i>700</i>	400	3137	400	9.3	15.6	-9.0	342	-0.9	376	064	2.5	5.6	14.99	1.03	1989	1974
<i>650</i>	396	3748	395	6.6	13.8	-2.0	310	-4.8	368	072	2.6	5.7	16.64	0.91	1990	1971
<i>600</i>	389	4403	388	3.3	10.2	-4.0	282	-8.8	357	071	2.7	5.9	17.72	0.92	1990	1974
<i>550</i>	386	5103	386	-0.4	9.2	-5.5	256	-13.4	351	070	3.1	6.3	19.43	1.00	1989	1985
<i>500</i>	382	5860	382	-4.7	3.0	-9.1	238	-18.1	346	062	3.3	6.8	21.40	1.07	1990	1984
<i>450</i>	378	6682	378	-9.6	-2.1	-14.5	220	-23.5	342	056	3.3	6.9	23.17	1.24	1990	1985
<i>400</i>	376	7583	376	-15.3	-6.5	-20.7	205	-30.0	339	052	2.5	7.1	29.02	1.35	1990	1985
<i>350</i>	372	8578	372	-22.1	-12.9	-28.1	171	-36.8	331	037	1.2	7.0	34.38	1.59	1990	1982
<i>300</i>	365	9697	365	-30.4	-20.5	-37.1	134	-44.4	324	210	0.9	6.9	42.27	1.83	1990	1985
<i>250</i>	352	10969	352	-40.6	-31.1	-48.1	75	-52.3	310	181	3.8	8.4	52.28	1.99	1988	1985
<i>200</i>	330	12452	330	-52.7	-42.3	-62.1	4	-55.8	286	168	7.0	11.5	69.11	2.26	1990	1985
<i>175</i>	302	13304	302	-59.4	-48.7	-71.1			255	164	7.2	12.2	78.62	2.44	1990	1985
<i>150</i>	281	14253	281	-66.7	-54.5	-79.7			239	171	6.0	11.5	88.33	2.47	1990	1985
<i>125</i>	239	15337	239	-73.5	-62.7	-86.1			198	165	3.3	8.8	103.04	2.83	1990	1985
<i>100</i>	213	16631	213	-78.7	-65.9	-89.5			174	105	3.5	7.4	114.11	2.33	1987	1985
<i>80</i>	170	17913	170	-75.8	-58.9	-85.0			125	098	5.4	7.7	129.29	2.92	1987	1974
<i>70</i>	155	18707	155	-71.4	-51.9	-80.3			116	089	4.6	6.9	137.42	2.97	1988	1988
<i>60</i>	136	19629	136	-66.5	-53.7	-79.0			98	084	3.2	7.5	146.06	3.07	1990	1972
<i>50</i>	121	20749	121	-61.2	-47.1	-77.0			80	092	3.9	8.7	161.85	3.67	1990	1972
<i>40</i>	102	22168	102	-56.3	-39.5	-75.0			55	093	4.2	10.6	202.17	4.78	1990	1972
<i>30</i>	90	24007	90	-51.8	-38.9	-63.5			44	107	4.9	12.1	170.98	2.65	1989	1988
<i>25</i>	79	25179	79	-50.1	-36.5	-61.3			28	120	0.7	12.2	173.25	2.59	1987	1988
<i>20</i>	66	26638	66	-47.8	-35.1	-58.9			20	118	4.0	16.2	195.41	3.14	1983	1990
<i>15</i>	48	28552	48	-45.0	-35.1	-54.7			6	098	14.6	14.8	238.12	2.77	1988	1988
<i>10</i>	30	31254	30	-41.9	-33.3	-49.7			3	097	14.3	14.7	296.89	3.59	1982	1984
<i>7</i>	16	33605	16	-41.2	-30.9	-48.1			1	064	13.0	13.0			1982	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

386 557 500

188 098 1673 -80.6

NORMALS OF RADIOSONDE DATA

43295 BANGALORE

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	409	911	409	16.8	20.2	11.0	409	15.3	408	078	2.9	3.2	1.07	0.70	1983	1981
1000	382	120											8.44			
950	382	560											9.52			
900	379	1025	376	16.6	20.2	12.0	376	14.1	343	078	6.4	7.0	11.35	0.69	1987	1971
850	376	1512	375	15.5	22.4	9.0	372	9.0	342	082	7.2	8.3	12.68	0.96	1990	1973
800	376	2026	375	14.0	21.2	6.0	344	4.0	344	083	5.6	7.4	14.44	1.13	1990	1973
750	376	2566	375	12.1	17.8	4.0	310	0.1	345	087	4.4	6.5	15.35	0.91	1990	1973
700	376	3144	375	9.7	16.2	2.0	274	-3.9	345	091	4.0	6.2	16.71	0.80	1990	1981
650	375	3755	375	6.5	13.0	-5.0	256	-7.6	342	091	3.5	6.0	17.89	0.87	1990	1974
600	374	4408	374	3.0	12.0	-3.0	234	-11.6	340	088	3.1	6.3	20.43	0.94	1990	1972
550	372	5108	372	-0.9	9.4	-8.5	209	-15.5	338	085	3.1	6.7	21.26	1.02	1990	1984
500	367	5863	367	-5.3	2.4	-11.5	194	-20.1	334	078	2.7	7.3	23.19	1.12	1987	1988
450	362	6684	362	-10.2	0.8	-16.1	173	-25.0	328	062	1.8	7.6	23.67	1.16	1990	1988
400	356	7583	355	-15.9	-7.9	-21.5	156	-30.3	321	351	1.1	8.3	29.71	1.28	1990	1988
350	347	8576	346	-22.9	-14.7	-29.1	122	-36.2	310	285	2.4	9.3	32.69	1.44	1990	1988
300	340	9691	339	-31.2	-23.1	-37.7	100	-44.2	303	254	4.7	10.5	40.25	1.63	1989	1981
250	329	10958	329	-41.3	-33.9	-47.7	56	-52.7	292	233	6.9	13.0	47.62	1.74	1989	1981
200	311	12433	311	-53.4	-42.1	-61.3	3	-57.6	274	222	8.6	14.9	56.74	2.02	1989	1981
175	285	13283	285	-60.2	-50.1	-68.9			246	227	9.4	15.3	68.28	2.26	1989	1981
150	263	14226	263	-67.4	-56.9	-79.1			223	237	8.6	14.0	80.38	2.42	1990	1981
125	215	15312	215	-73.7	-62.1	-83.7			173	244	5.2	10.4	91.42	2.77	1989	1981
100	180	16586	180	-79.6	-67.1	-90.1			141	251	0.9	8.9	112.99	2.72	1989	1987
80	143	17854	143	-76.9	-65.7	-89.1			105	093	3.5	8.0	127.94	3.61	1987	1984
70	124	18640	124	-72.9	-60.3	-85.7			95	084	2.5	6.7	142.82	3.38	1987	1987
60	113	19565	113	-67.9	-56.3	-81.9			77	089	2.5	6.9	153.32	3.40	1988	1987
50	97	20695	97	-62.1	-49.9	-74.3			63	074	2.3	8.0	162.97	3.68	1988	1987
40	89	22099	89	-57.0	-45.5	-68.9			57	138	1.0	11.8	170.90	3.37	1988	1986
30	81	23937	81	-51.6	-36.9	-66.1			47	207	1.3	11.7	199.09	4.13	1988	1987
25	67	25089	67	-49.9	-33.9	-64.5			34	244	1.5	12.4	239.24	4.59	1988	1987
20	48	26512	48	-48.6	-38.1	-62.1			22	291	3.0	12.7	313.24	4.14	1988	1987
15	35	28363	35	-47.7	-38.9	-59.3			8	262	10.8	12.9	253.93	2.35	1984	1987
10	22	31043	22	-45.0	-37.1	-55.1			2	258	15.7	20.5	262.01	3.00	1982	1987
7	10	33310	10	-42.8	-38.5	-49.9			1	230	20.0	20.0			1984	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

373 550 495

154 097 1676 -81.4

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

JANUARY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	587	1009	587	17.2	27.0	10.6	587	14.9	587	049	0.3	1.6	0.95	1.19	1978	1989
<i>1000</i>	561	125	558	17.6	24.0	11.2	558	14.3	552	034	0.4	2.2	8.02	1.18	1980	1989
<i>950</i>	558	551	557	18.4	29.8	8.0	555	10.5	551	024	0.3	4.3	18.34	1.46	1987	1975
<i>900</i>	558	1027	557	16.1	24.2	9.0	550	5.9	551	342	1.5	4.7	9.04	1.61	1988	1972
<i>850</i>	558	1511	556	13.6	22.4	6.0	518	1.3	551	330	3.2	5.4	10.38	1.66	1982	1972
<i>800</i>	556	2020	553	11.3	21.6	3.0	405	-1.6	551	322	4.5	6.3	12.02	1.43	1988	1972
<i>750</i>	555	2550	554	9.1	19.0	0.0	306	-4.7	550	315	5.8	7.5	13.02	1.32	1972	1976
<i>700</i>	554	3124	551	6.6	16.2	-3.0	232	-8.1	549	300	7.3	8.9	14.86	1.41	1990	1975
<i>650</i>	542	3728	541	3.8	16.0	-6.0	164	-11.3	533	291	9.0	10.5	16.45	1.39	1972	1975
<i>600</i>	541	4375	540	0.5	10.4	-12.0	108	-14.3	532	282	11.0	12.3	18.22	1.24	1983	1977
<i>550</i>	536	5073	535	-3.3	7.8	-11.0	67	-16.9	527	278	13.2	14.6	26.85	1.28	1983	1975
<i>500</i>	536	5816	536	-7.8	4.0	-17.0	53	-20.0	528	277	15.3	16.7	22.04	1.42	1972	1978
<i>450</i>	528	6624	528	-12.8	-2.9	-27.0	47	-23.2	515	274	18.1	19.6	28.57	1.55	1985	1972
<i>400</i>	523	7519	523	-18.4	-7.3	-30.0	38	-28.5	507	273	20.7	22.4	29.14	1.61	1989	1977
<i>350</i>	513	8505	513	-25.0	-13.1	-36.0	25	-34.3	497	272	23.9	25.6	30.36	1.78	1989	1977
<i>300</i>	505	9608	505	-32.7	-21.5	-48.0	15	-41.7	486	269	27.4	29.2	39.16	2.00	1989	1972
<i>250</i>	478	10870	478	-41.9	-33.1	-53.0			451	264	29.8	31.7	46.85	1.91	1989	1975
<i>200</i>	458	12348	458	-52.7	-44.5	-61.3			430	260	29.4	31.3	56.59	1.68	1989	1980
<i>175</i>	400	13199	400	-58.9	-50.3	-70.7			356	258	28.4	30.0	61.09	1.52	1987	1988
<i>150</i>	361	14153	361	-65.0	-55.5	-74.5			308	256	26.3	27.9	68.28	1.39	1983	1989
<i>125</i>	306	15248	306	-71.0	-61.1	-82.5			234	257	23.3	25.0	75.71	1.35	1984	1989
<i>100</i>	255	16561	255	-76.1	-62.3	-86.9			183	257	17.9	19.5	83.86	1.57	1983	1988
<i>80</i>	206	17861	206	-75.2	-59.3	-89.1			139	263	11.8	14.3	91.76	2.51	1984	1988
<i>70</i>	191	18645	191	-72.1	-58.1	-85.1			127	269	9.2	12.0	102.22	2.90	1984	1988
<i>60</i>	174	19553	174	-67.9	-50.9	-81.0			110	274	6.4	9.8	118.79	2.93	1984	1977
<i>50</i>	151	20661	151	-62.3	-48.1	-76.1			95	292	5.4	8.8	136.54	3.31	1983	1988
<i>40</i>	117	22057	117	-57.3	-45.9	-72.1			70	308	4.2	8.4	101.17	1.76	1985	1982
<i>30</i>	87	23901	87	-53.3	-41.5	-68.5			50	324	2.2	9.0	121.44	2.23	1988	1986
<i>25</i>	73	25063	73	-51.0	-36.3	-62.1			36	232	0.3	7.3	109.13	1.96	1988	1985
<i>20</i>	59	26527	59	-48.7	-37.5	-59.1			32	330	0.3	8.1	100.00	1.41	1988	1985
<i>15</i>	45	28418	45	-46.2	-38.7	-56.1			21	117	0.8	7.2	141.62	1.10	1985	1987
<i>10</i>	36	31102	36	-43.4	-31.7	-52.7			14	151	1.6	5.6	156.06	1.89	1985	1987
<i>7</i>	22	33442	22	-42.4	-33.1	-50.1			6	276	2.8	7.5	179.34	3.76	1985	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

541	596	443														
			3	203	1215	-56.3				233	097	1676	-78.2			

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

FEBRUARY 1972-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TH	N	TD	N	ODD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	537	1007	537	20.1	29.0	14.0	537	17.9	536	221	0.6	2.2	1.34	0.93	1974	1974
1000	506	109	505	20.4	23.0	14.0	503	17.4	500	216	0.7	2.7	11.50	0.92	1974	1974
950	506	535	506	20.7	31.0	12.2	502	12.5	502	236	2.2	5.2	21.48	1.37	1989	1989
900	506	1018	506	18.5	29.8	10.0	498	7.4	502	266	2.0	5.2	11.36	1.30	1989	1989
850	506	1505	505	15.6	27.2	7.0	491	3.1	502	296	3.0	5.9	11.69	1.25	1989	1973
800	505	2016	504	12.4	23.8	4.8	459	-0.2	501	302	4.8	7.0	12.40	1.18	1989	1986
750	504	2542	504	9.2	18.8	2.0	378	-2.7	500	298	6.3	8.2	16.40	1.11	1989	1975
700	504	3122	504	6.2	14.0	-4.0	311	-6.4	499	293	7.7	9.3	13.67	0.96	1989	1972
650	496	3723	496	3.1	11.2	-4.0	230	-9.7	489	287	9.4	10.7	14.76	1.08	1985	1978
600	494	4370	494	-0.1	8.2	-8.9	174	-13.4	481	282	11.3	12.5	13.91	1.29	1985	1986
550	490	5066	490	-3.9	5.8	-13.0	119	-17.3	476	278	13.8	15.0	22.94	1.37	1985	1978
500	488	5809	488	-8.3	2.6	-18.0	79	-20.8	473	276	16.3	17.7	16.13	1.42	1985	1978
450	483	6618	481	-13.1	-3.7	-23.0	61	-25.4	462	273	19.1	20.5	22.05	1.47	1985	1978
400	482	7508	481	-18.8	-9.9	-29.7	43	-29.4	458	272	22.3	24.0	22.73	1.62	1985	1986
350	477	8497	476	-25.2	-16.1	-35.9	29	-35.8	445	271	25.2	27.3	29.41	1.69	1985	1986
300	468	9598	468	-32.7	-23.1	-45.0	10	-42.0	436	268	28.5	31.0	33.50	1.87	1984	1972
250	448	10859	448	-41.9	-31.5	-52.1			412	264	31.4	33.7	41.87	1.95	1984	1988
200	423	12338	423	-52.7	-41.5	-67.1			380	261	31.5	33.9	53.76	2.03	1985	1985
175	370	13195	370	-58.3	-47.9	-68.3			303	260	30.2	32.7	65.15	2.13	1990	1979
150	336	14152	336	-64.3	-53.1	-73.1			266	261	28.7	30.9	80.20	2.16	1988	1988
125	292	15245	291	-70.8	-61.0	-83.0			208	262	25.3	27.1	99.11	2.01	1973	1972
100	253	16542	252	-76.0	-66.0	-86.0			181	265	19.5	21.1	108.31	2.53	1973	1972
80	204	17833	204	-75.4	-59.5	-84.1			128	268	14.7	16.1	95.75	2.56	1983	1979
70	179	18620	179	-72.6	-53.9	-83.5			115	275	12.3	14.0	109.45	3.09	1989	1985
60	156	19524	156	-68.0	-50.1	-89.1			99	276	8.8	11.3	118.64	3.98	1983	1985
50	135	20637	135	-62.2	-46.1	-76.0			87	275	6.1	9.0	144.23	3.93	1983	1972
40	105	22015	105	-57.6	-40.7	-70.1			66	299	3.3	8.5	171.08	2.33	1988	1986
30	89	23838	89	-53.4	-39.9	-67.1			51	353	2.1	7.3	207.09	3.39	1983	1986
25	80	25013	80	-50.4	-35.1	-65.1			42	352	1.6	8.0	228.48	3.20	1983	1986
20	67	26481	67	-48.4	-28.9	-61.1			35	020	0.4	7.7	105.07	2.57	1983	1986
15	54	28385	54	-45.7	-34.1	-56.5			27	307	0.4	8.2	166.00	1.14	1985	1986
10	37	31115	37	-42.9	-35.9	-49.5			16	291	0.8	8.6	179.15	2.75	1986	1988
7	26	33517	26	-41.4	-35.5	-48.3			8	259	4.7	10.5	215.02	2.66	1986	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
496	603	434					232	097	1675	-78.0

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

MARCH 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	589	1005	589	23.5	33.2	17.6	588	21.6	589	214	2.2	3.1	0.83	0.59	1981	1979
1000	577	87	569	23.7	28.0	17.8	568	20.8	560	217	2.4	3.3	7.43	0.54	1972	1979
950	577	517	576	24.4	34.0	15.4	572	14.1	567	234	4.7	6.4	17.29	1.15	1972	1986
900	577	1007	576	22.7	30.4	11.8	565	7.7	567	249	4.1	6.2	7.32	1.37	1979	1986
850	577	1501	576	19.6	28.2	8.6	552	3.9	568	274	3.7	5.9	7.42	1.22	1983	1986
800	577	2019	577	15.8	24.0	5.8	540	0.8	568	295	4.3	6.1	8.57	1.11	1973	1987
750	577	2544	577	11.7	20.0	2.8	518	-1.8	568	301	5.7	7.3	15.57	1.08	1972	1987
700	577	3134	576	7.5	18.6	-3.0	479	-4.6	568	304	7.2	8.8	11.81	1.16	1983	1972
650	573	3732	572	3.7	13.0	-5.0	415	-8.2	560	302	8.2	9.7	17.10	1.16	1983	1972
600	570	4386	569	0.3	8.2	-7.0	317	-12.1	550	296	9.0	10.5	14.78	1.20	1983	1972
550	569	5077	569	-3.6	5.6	-12.0	210	-16.0	542	289	10.3	11.8	21.93	1.30	1988	1974
500	566	5826	566	-8.0	1.8	-18.0	145	-20.1	538	283	12.1	13.7	19.00	1.36	1988	1974
450	555	6632	554	-13.0	-2.1	-24.0	93	-24.6	516	279	14.5	16.0	21.91	1.54	1988	1974
400	546	7526	544	-18.9	-7.1	-29.0	70	-29.0	504	276	16.6	18.3	26.53	1.81	1988	1974
350	534	8515	532	-25.4	-14.5	-35.9	48	-34.6	480	275	19.7	21.7	34.50	2.08	1983	1987
300	522	9614	520	-32.8	-21.9	-43.0	24	-40.4	465	272	23.8	26.0	40.49	2.18	1988	1974
250	499	10874	498	-41.6	-32.0	-51.9	2	-48.5	436	265	27.1	29.4	49.12	1.85	1978	1987
200	477	12351	477	-52.1	-41.5	-61.0			407	261	28.3	30.5	57.29	1.75	1983	1977
175	429	13206	429	-58.0	-49.1	-68.0			347	261	27.6	29.6	60.80	1.80	1987	1978
150	395	14164	394	-64.1	-51.9	-76.0			313	261	25.5	27.3	62.90	1.88	1989	1978
125	348	15261	348	-70.4	-56.5	-86.0			259	263	22.1	23.8	66.54	2.02	1989	1978
100	306	16565	306	-75.6	-62.1	-85.5			223	265	16.8	18.2	81.79	1.43	1989	1988
80	254	17862	254	-75.5	-60.9	-85.7			174	268	11.0	13.4	90.32	1.77	1985	1988
70	234	18656	234	-72.6	-55.3	-84.1			155	269	9.0	11.6	97.62	2.29	1985	1988
60	202	19569	202	-67.8	-48.7	-78.3			134	272	5.7	9.4	104.55	2.85	1985	1988
50	180	20690	180	-61.8	-48.5	-73.7			123	290	3.6	8.3	114.49	3.08	1983	1983
40	146	22098	146	-56.0	-39.1	-71.3			92	295	2.2	6.8	124.43	2.61	1983	1983
30	121	23957	121	-50.8	-39.9	-62.1			80	013	2.1	6.9	151.51	2.07	1984	1985
25	102	25144	102	-48.3	-37.1	-60.5			64	040	2.2	6.9	114.25	1.99	1984	1988
20	86	26594	86	-45.6	-33.9	-58.7			54	072	2.6	6.1	158.71	1.86	1986	1988
15	65	28531	65	-42.5	-30.9	-57.1			32	094	2.5	7.1	170.98	2.15	1986	1988
10	44	31309	44	-39.3	-25.3	-53.9			19	125	2.0	6.8	125.81	1.99	1986	1988
7	30	33749	30	-36.9	-20.1	-51.1			9	120	6.3	7.6	107.76	2.29	1986	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
571	596	444	2	215	1310	-59.5	279	096	1682	-77.7

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

APRIL 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	569	1001	569	26.2	32.0	21.2	569	24.1	569	206	4.4	4.9	0.92	0.40	1972	1987
1000	546	57	403	26.0	30.0	20.5	400	23.4	396	206	3.9	4.5	7.70	0.41	1972	1990
950	545	492	544	26.5	36.0	17.8	538	18.3	535	226	6.8	8.0	17.54	0.86	1985	1990
900	545	985	543	25.8	34.0	16.6	530	11.3	535	246	6.1	7.8	7.60	1.08	1983	1987
850	545	1484	543	23.1	30.8	13.8	524	6.6	535	252	5.3	6.8	7.42	1.05	1983	1985
800	545	2008	545	19.3	28.4	8.0	520	3.0	534	282	4.8	6.2	7.76	1.06	1989	1974
750	545	2535	545	14.9	24.0	5.5	516	0.0	534	299	5.0	6.4	11.33	0.99	1977	1985
700	545	3137	545	10.2	18.6	1.4	514	-2.8	534	306	5.6	7.1	8.48	1.16	1981	1982
650	542	3736	542	5.4	17.4	-3.9	498	-5.9	526	308	6.6	8.1	14.74	1.31	1982	1986
600	539	4394	539	1.1	10.2	-6.0	444	-10.0	517	305	7.3	9.0	9.30	1.37	1983	1972
550	538	5090	538	-2.8	8.0	-10.1	338	-15.1	513	301	7.9	9.7	17.29	1.45	1988	1984
500	534	5840	534	-6.9	4.0	-14.1	223	-19.2	509	290	9.1	10.7	15.30	1.35	1988	1985
450	527	6654	525	-11.6	-1.9	-19.5	158	-23.3	495	284	10.7	12.5	21.75	1.28	1988	1979
400	524	7550	524	-17.2	-7.9	-26.3	123	-27.6	490	278	13.3	15.1	22.78	1.39	1990	1987
350	518	8541	518	-23.9	-13.5	-33.3	91	-32.9	471	274	15.4	17.4	26.05	1.67	1990	1987
300	507	9650	507	-31.6	-21.3	-40.7	56	-40.6	460	272	18.7	20.9	34.79	1.97	1990	1987
250	492	10916	491	-40.7	-31.1	-49.3	7	-46.7	437	265	21.4	23.8	44.89	2.06	1990	1987
200	477	12402	476	-51.4	-41.9	-67.0			423	261	22.2	24.6	60.14	1.98	1989	1977
175	431	13260	430	-57.4	-45.1	-68.9			373	260	22.2	24.3	64.27	1.80	1989	1986
150	407	14220	406	-63.7	-53.3	-76.3			353	260	20.6	22.6	70.10	1.65	1987	1986
125	361	15322	361	-70.4	-60.5	-82.1			303	259	16.4	18.4	78.26	1.99	1987	1982
100	321	16626	320	-76.2	-60.9	-87.0			267	263	11.0	13.9	87.78	1.99	1983	1974
80	271	17912	270	-75.7	-63.9	-92.3			208	278	5.3	10.1	90.48	2.81	1980	1987
70	241	18706	241	-72.1	-54.9	-83.0			187	284	2.7	7.9	90.52	3.34	1985	1974
60	219	19617	219	-67.0	-48.1	-83.0			156	331	1.7	7.2	95.63	3.29	1985	1974
50	177	20747	176	-60.1	-46.1	-76.9			129	026	1.3	6.7	122.90	3.34	1984	1987
40	149	22168	149	-53.7	-38.5	-65.7			101	057	3.0	6.4	144.96	3.53	1990	1988
30	117	24045	117	-48.5	-37.3	-60.1			77	078	4.3	6.6	167.95	4.03	1986	1988
25	97	25234	97	-46.0	-35.3	-55.7			61	081	4.2	6.6	142.57	2.55	1985	1988
20	83	26734	83	-43.3	-31.5	-52.1			52	084	4.9	7.2	178.87	2.81	1987	1988
15	62	28684	62	-40.5	-28.3	-47.3			33	101	4.8	8.4	183.96	2.92	1986	1986
10	48	31490	48	-36.1	-22.1	-44.3			28	105	3.9	8.7	210.28	2.98	1990	1988
7	34	33992	34	-33.2	-22.5	-41.1			17	087	5.1	7.1	100.47	1.79	1985	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
540	531	464					288	095	1695	-77.9

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

MAY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	589	998	589	27.5	32.0	19.0	589	25.0	589	202	4.2	4.8	1.54	0.63	1972	1974
1000	562	30	172	26.6	30.4	22.0	172	24.1	171	203	3.4	4.1	12.86	1.02	1987	1977
950	562	467	558	27.0	40.0	19.0	558	21.3	552	217	6.7	8.1	26.65	0.74	1985	1988
900	562	960	561	26.2	37.0	15.2	557	15.4	552	233	5.9	8.0	11.69	1.11	1978	1985
850	562	1461	560	24.0	32.4	12.2	553	10.2	552	253	4.2	6.8	10.98	1.32	1984	1985
800	561	1988	561	20.6	28.6	9.8	548	6.2	551	289	3.7	6.3	10.11	1.31	1984	1985
750	560	2522	560	16.5	24.2	7.0	544	2.9	548	314	4.4	6.7	12.65	1.31	1984	1974
700	560	3121	560	12.0	19.8	4.0	540	-0.2	549	326	5.5	7.4	9.73	1.25	1984	1987
650	557	3725	557	7.1	15.8	-6.0	528	-3.4	535	330	6.4	8.1	17.05	1.23	1989	1972
600	551	4388	549	2.5	12.0	-6.0	499	-6.9	528	329	6.7	8.5	10.10	1.26	1989	1974
550	546	5091	543	-1.5	8.0	-9.0	425	-11.2	521	324	6.4	8.1	16.31	1.26	1986	1974
500	539	5840	537	-5.3	4.0	-13.3	331	-15.5	515	314	5.6	7.9	12.75	1.31	1978	1987
450	530	6663	528	-9.5	0.0	-18.5	241	-19.1	496	298	5.2	7.9	17.76	1.45	1978	1987
400	520	7565	519	-14.6	-3.5	-24.3	178	-24.3	487	284	5.7	9.0	21.41	1.65	1988	1987
350	505	8569	504	-20.8	-10.5	-31.3	122	-30.2	471	271	6.6	9.8	27.06	1.69	1988	1987
300	500	9690	500	-28.6	-18.5	-41.1	68	-36.9	465	263	8.1	11.0	33.41	1.82	1988	1987
250	487	10973	484	-38.1	-27.9	-47.7	21	-44.8	449	254	9.0	11.9	42.78	1.99	1988	1987
200	478	12471	476	-49.7	-38.5	-60.0			434	244	9.3	12.8	54.53	2.14	1985	1977
175	446	13335	444	-56.3	-44.5	-69.5			402	236	8.3	12.3	63.43	2.25	1985	1982
150	430	14299	428	-63.4	-48.9	-78.0			383	228	6.9	11.7	73.71	2.36	1985	1974
125	394	15400	393	-70.8	-54.3	-83.0			348	208	4.9	10.3	87.50	2.35	1981	1977
100	359	16702	359	-76.8	-63.3	-87.1			318	154	2.9	9.2	101.03	1.91	1990	1987
80	298	17988	298	-75.4	-59.9	-86.1			250	104	5.8	9.0	105.89	2.85	1990	1988
70	273	18786	273	-71.1	-54.1	-84.0			227	096	6.9	9.0	114.94	3.13	1982	1978
60	238	19708	238	-65.4	-47.9	-77.5			193	091	7.6	8.7	125.46	3.78	1982	1987
50	217	20843	217	-59.3	-40.1	-76.0			173	085	8.3	9.7	147.96	4.86	1982	1975
40	169	22272	168	-54.0	-43.5	-65.5			127	089	9.6	10.5	144.90	3.62	1989	1990
30	140	24154	140	-48.7	-37.1	-59.9			104	085	11.7	12.5	106.01	1.63	1989	1990
25	116	25353	116	-46.2	-36.9	-56.9			87	091	12.0	12.6	109.21	1.53	1989	1990
20	99	26871	99	-43.3	-29.9	-55.1			71	092	12.4	13.0	125.51	1.86	1987	1990
15	71	28751	71	-41.2	-30.3	-53.1			45	091	12.3	12.9	145.64	3.69	1987	1990
10	54	31521	54	-37.9	-25.1	-49.9			33	091	13.2	14.1	204.66	2.43	1985	1990
7	39	33984	39	-35.5	-25.9	-45.1			17	084	14.2	14.9	197.60	2.38	1984	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
546	567	485					326	096	1699	-78.7

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

JUNE 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	569	994	569	27.5	33.0	23.0	569	25.4	569	222	2.8	3.9	1.15	0.57	1974	1978
1000	546	-2	12	27.8	29.0	24.0	12	25.6	12	190	3.1	4.6	10.30		1978	1977
950	544	434	544	26.7	34.0	18.6	542	22.5	536	239	5.5	7.7	21.85	0.65	1981	1989
900	544	925	544	24.9	35.0	17.2	543	18.6	536	261	5.8	8.6	8.62	0.75	1976	1989
850	544	1424	544	22.4	31.0	15.0	540	15.2	536	278	5.9	8.8	9.57	0.76	1978	1978
800	544	1948	544	19.3	27.0	12.4	537	12.2	536	289	5.3	8.1	10.01	0.71	1978	1989
750	544	2492	541	15.8	22.0	9.6	533	9.1	536	296	4.7	7.8	11.61	0.75	1978	1982
700	544	3080	541	12.1	19.0	6.0	534	5.6	536	310	4.3	7.8	11.35	0.78	1982	1976
650	541	3690	530	8.1	16.0	2.8	530	2.0	529	316	3.9	7.9	17.49	0.82	1982	1988
600	539	4353	535	4.5	11.4	-6.0	524	-1.7	526	320	3.3	7.7	11.13	1.03	1988	1975
550	535	5067	532	0.7	8.2	-7.0	507	-5.7	519	322	2.4	7.4	16.27	1.23	1982	1977
500	528	5817	525	-3.1	4.4	-12.0	479	-10.1	510	323	1.4	6.7	12.49	1.27	1982	1973
450	521	6647	520	-7.3	0.0	-17.0	448	-15.1	494	008	0.5	6.5	15.62	1.36	1982	1977
400	517	7556	516	-12.2	-4.5	-21.5	394	-20.7	491	098	1.2	6.6	18.47	1.31	1988	1988
350	507	8569	506	-18.3	-9.5	-28.0	307	-27.1	478	106	2.8	6.8	22.75	1.41	1989	1977
300	494	9704	492	-26.1	-16.1	-36.0	222	-34.5	464	105	4.3	7.5	26.60	1.51	1989	1977
250	477	10939	476	-36.1	-27.1	-48.0	97	-43.1	443	102	6.5	9.0	36.41	1.74	1989	1977
200	458	12509	458	-48.4	-39.1	-58.1	1	-49.9	425	098	9.7	11.6	44.24	1.84	1980	1986
175	439	13977	438	-55.5	-47.1	-66.0			404	094	11.7	13.6	51.78	2.06	1982	1972
150	410	14343	409	-63.3	-53.9	-74.0			381	092	14.0	15.8	60.39	1.98	1980	1974
125	382	15445	382	-71.3	-61.1	-83.3			356	088	16.3	17.8	71.28	2.09	1982	1985
100	348	16740	348	-77.2	-66.3	-86.0			325	089	18.5	19.3	85.18	1.99	1982	1977
80	296	18032	296	-75.0	-60.1	-86.0			269	088	18.0	18.9	90.61	2.52	1983	1978
70	266	18830	266	-70.8	-56.1	-84.1			245	087	17.6	18.2	104.21	3.13	1981	1988
60	237	19752	237	-65.5	-49.5	-82.5			210	085	17.1	17.6	102.65	3.09	1982	1988
50	204	20880	203	-59.8	-45.9	-80.5			182	086	16.3	16.9	127.60	3.49	1982	1988
40	162	22303	162	-54.6	-39.9	-73.9			142	088	17.2	18.0	161.46	3.59	1982	1988
30	136	24161	136	-49.9	-37.5	-65.1			117	088	17.9	18.3	135.75	2.42	1982	1988
25	115	25337	115	-47.6	-34.3	-58.9			90	092	19.6	19.9	128.59	2.52	1982	1988
20	89	26845	89	-45.7	-34.9	-57.1			71	094	18.5	18.9	79.26	1.81	1985	1984
15	71	28753	71	-43.4	-33.7	-55.1			53	093	18.7	19.3	177.19	1.67	1985	1985
10	56	31491	56	-40.2	-29.1	-51.9			34	093	18.9	19.5	133.14	2.45	1986	1985
7	40	33909	40	-38.3	-28.5	-49.1			17	095	19.9	21.4	196.80	2.00	1985	1985

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
533	539	521					322	098	1690	-79.1

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	578	995	578	26.4	32.0	24.0	578	25.1	578	231	2.7	3.7	1.22	0.38	1972	1971
<i>1000</i>	549	7	20	26.0	27.4	24.0	20	24.8	20	207	2.9	3.9	11.02		1979	1975
<i>950</i>	549	446	549	25.2	32.0	19.0	549	22.6	536	248	5.5	7.5	21.79	0.60	1973	1973
<i>900</i>	549	930	549	23.0	32.2	17.0	549	19.7	536	268	6.4	8.9	10.30	0.62	1990	1986
<i>850</i>	549	1426	549	20.2	28.4	14.0	548	16.8	537	279	6.3	8.9	10.66	0.61	1982	1986
<i>800</i>	549	1947	549	17.3	26.0	11.0	548	14.1	537	280	5.6	8.2	11.18	0.63	1974	1981
<i>750</i>	549	2492	549	14.3	21.8	6.2	548	10.9	535	276	4.9	7.6	11.66	0.71	1990	1981
<i>700</i>	549	3074	549	11.2	18.8	3.6	547	7.3	535	273	4.7	7.5	11.41	0.82	1988	1981
<i>650</i>	543	3687	542	8.0	15.8	0.6	541	3.6	525	269	4.0	7.2	16.76	0.89	1988	1981
<i>600</i>	540	4346	540	4.6	12.2	-4.0	539	-0.2	522	267	2.7	6.7	13.23	0.94	1988	1972
<i>550</i>	533	5062	532	1.1	9.0	-5.9	527	-4.1	516	260	1.4	6.1	19.76	1.03	1988	1981
<i>500</i>	530	5813	529	-2.8	5.4	-9.7	521	-8.8	513	206	0.3	5.9	15.15	1.00	1988	1979
<i>450</i>	525	6644	524	-7.2	1.6	-14.0	498	-14.1	499	114	1.6	6.0	21.32	1.13	1988	1974
<i>400</i>	516	7552	516	-12.4	-2.7	-19.9	458	-20.2	490	108	3.4	6.5	20.00	1.29	1988	1989
<i>350</i>	506	8564	506	-18.6	-6.1	-27.3	378	-27.0	471	100	5.9	7.8	27.01	1.55	1988	1989
<i>300</i>	493	9635	492	-26.6	-16.5	-35.9	275	-35.0	455	096	8.7	10.0	30.99	1.61	1988	1987
<i>250</i>	473	10990	472	-36.4	-27.5	-46.1	103	-43.3	424	092	12.9	13.9	38.42	1.74	1988	1987
<i>200</i>	448	12499	447	-48.8	-40.7	-60.1			398	085	17.7	18.6	46.64	1.97	1989	1987
<i>175</i>	413	13365	412	-56.0	-47.5	-68.7			371	082	20.7	21.6	54.10	2.03	1984	1987
<i>150</i>	400	14329	399	-63.8	-52.7	-76.1			357	080	23.2	24.1	64.16	2.22	1980	1987
<i>125</i>	371	15427	371	-71.9	-60.1	-82.0			325	081	26.4	27.4	74.69	2.26	1988	1977
<i>100</i>	332	16721	332	-77.1	-58.5	-88.9			295	084	28.0	28.8	87.53	2.11	1986	1982
<i>80</i>	274	18017	274	-73.3	-54.1	-90.0			233	086	25.9	26.4	93.87	3.47	1986	1977
<i>70</i>	256	18821	256	-69.0	-50.9	-85.0			220	086	23.0	23.5	107.25	3.64	1985	1977
<i>60</i>	230	19748	230	-64.5	-46.1	-83.0			194	085	22.4	22.7	136.73	4.25	1985	1974
<i>50</i>	198	20877	198	-59.8	-48.1	-74.0			166	084	21.1	21.4	139.88	3.46	1989	1974
<i>40</i>	163	22283	163	-55.5	-42.1	-73.0			128	086	21.5	21.8	200.66	5.58	1990	1974
<i>30</i>	133	24132	133	-51.4	-40.3	-68.0			99	091	21.8	22.1	171.66	5.14	1988	1974
<i>25</i>	121	25301	121	-48.9	-36.1	-66.0			82	091	21.4	21.6	191.90	5.22	1988	1974
<i>20</i>	103	26796	103	-46.5	-35.9	-59.5			63	093	22.7	22.8	142.15	1.23	1986	1982
<i>15</i>	75	28720	75	-44.3	-30.9	-54.7			37	091	22.3	23.8	124.84	1.71	1987	1987
<i>10</i>	49	31423	49	-41.6	-31.9	-50.1			20	094	20.1	20.4	178.17	2.63	1987	1989
<i>7</i>	36	33826	36	-39.4	-29.7	-49.1			8	098	17.9	18.8	267.39	3.65	1987	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
532	536	528					310	101	1674	-78.9

NORMALS OF RADIOSONDE DATA

42371 BHUBANESWAR

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TO	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	995	620	26.3	34.0	24.0	620	25.2	620	236	2.1	3.4	1.02	0.30	1978	1971
1000	591	7	17	26.5	27.6	25.4	17	25.2	17	211	3.7	3.9	8.81		1990	1987
950	589	438	589	24.8	33.0	17.2	589	22.3	577	254	4.3	7.3	18.59	0.56	1988	1982
900	589	928	589	22.4	30.8	15.4	589	19.4	577	274	5.3	8.8	8.71	0.79	1988	1982
850	589	1423	588	19.7	29.6	12.0	588	16.5	577	283	5.1	8.7	9.34	0.81	1988	1974
800	589	1944	588	17.0	25.4	10.0	586	13.7	576	282	4.5	8.1	10.14	0.86	1989	1971
750	589	2488	588	14.1	23.8	6.6	583	10.7	571	277	3.9	7.6	11.08	0.97	1988	1982
700	589	3071	583	11.1	20.0	4.0	583	7.2	573	272	3.5	7.4	11.82	1.00	1988	1971
650	580	3685	580	8.0	16.2	1.8	574	3.2	553	265	2.9	7.2	12.75	1.11	1981	1982
600	574	4343	574	4.7	14.0	-2.0	568	-0.5	544	255	2.0	6.9	14.63	1.11	1972	1972
550	563	5058	563	1.1	10.0	-5.9	551	-4.5	534	224	0.9	6.5	22.27	1.26	1988	1979
500	560	5810	560	-2.9	5.6	-9.5	539	-9.3	528	151	1.0	6.3	19.26	1.35	1990	1979
450	551	6640	551	-7.3	1.2	-13.7	518	-14.6	509	123	2.3	6.7	25.42	1.43	1988	1981
400	540	7549	540	-12.5	-4.7	-20.0	470	-20.7	501	113	3.8	7.3	26.77	1.53	1988	1977
350	526	8560	525	-18.9	-9.9	-27.1	377	-27.5	479	104	5.7	8.2	31.52	1.69	1988	1979
300	519	9692	519	-26.7	-18.9	-35.1	263	-34.7	468	100	8.1	9.7	38.41	1.77	1988	1981
250	507	10985	505	-36.7	-27.9	-46.3	104	-43.5	450	095	11.4	12.3	46.02	2.05	1983	1986
200	485	12492	484	-49.1	-39.7	-59.9			427	086	15.5	16.3	50.02	2.37	1983	1982
175	452	13359	451	-56.3	-47.1	-70.7			387	082	17.4	18.4	59.61	2.54	1983	1982
150	421	14322	420	-64.0	-53.9	-79.1			356	080	19.9	20.8	79.22	2.63	1988	1982
125	385	15420	385	-72.0	-61.9	-84.1			323	080	21.8	22.6	89.69	2.36	1980	1982
100	350	16716	350	-77.1	-63.1	-90.7			289	082	23.7	24.4	102.81	2.18	1986	1982
80	287	18018	287	-72.2	-55.5	-85.5			232	084	23.0	23.4	118.00	2.77	1985	1982
70	259	18823	259	-67.6	-51.7	-82.0			211	087	21.9	22.3	134.74	3.25	1985	1978
60	225	19754	225	-63.4	-49.9	-78.0			179	087	20.3	20.7	138.26	3.36	1990	1978
50	198	20893	198	-59.2	-42.9	-72.1			152	086	19.5	19.9	142.70	3.33	1984	1982
40	158	22306	158	-55.2	-42.9	-69.9			105	087	20.6	20.9	132.83	4.14	1985	1982
30	128	24172	128	-51.1	-38.7	-60.3			83	091	20.7	21.5	173.00	2.51	1983	1982
25	107	25368	107	-48.9	-37.7	-59.1			58	091	22.0	22.2	156.93	2.79	1989	1982
20	83	26825	83	-46.5	-36.1	-53.1			45	091	23.4	23.6	192.60	2.51	1989	1982
15	64	28748	64	-44.3	-33.9	-56.5			25	092	22.6	23.4	189.62	2.13	1989	1982
10	41	31491	41	-41.2	-30.9	-50.1			14	093	22.6	22.9	190.43	1.41	1989	1984
7	30	33889	30	-39.1	-32.9	-44.1			6	094	26.2	26.3	250.04	1.50	1989	1987

FREEZING LEVEL

N P ALT

562 536 526

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

331 103 1656 -78.7

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1000	600	26.0	30.0	23.0	600	25.0	596	231	1.3	2.8	0.95	0.24	1971	1972
<i>1000</i>	573	41	251	25.9	29.8	22.0	251	24.8	242	218	1.6	2.4	7.05	0.20	1981	1987
<i>950</i>	573	470	573	24.9	31.0	20.2	573	22.2	562	250	2.7	6.3	18.95	0.66	1981	1986
<i>900</i>	573	964	573	22.6	31.0	17.0	571	19.1	562	267	2.4	6.9	7.21	0.90	1981	1971
<i>850</i>	573	1460	573	20.0	28.4	14.0	572	15.8	562	286	1.7	6.4	7.68	1.01	1989	1971
<i>800</i>	573	1980	573	17.2	26.0	10.6	567	12.5	561	297	1.2	6.1	8.66	1.12	1981	1982
<i>750</i>	573	2515	572	14.3	23.2	8.0	565	8.9	561	291	0.9	5.9	8.70	1.06	1981	1971
<i>700</i>	573	3108	572	11.1	21.0	5.0	564	5.1	561	273	0.8	5.8	10.50	1.11	1981	1971
<i>650</i>	568	3717	567	7.8	16.4	-5.0	553	1.3	549	243	0.8	5.9	13.30	1.08	1981	1972
<i>600</i>	567	4378	566	4.3	13.2	-4.0	543	-2.7	539	203	0.7	5.6	12.72	1.11	1981	1977
<i>550</i>	562	5088	562	0.5	10.0	-6.0	523	-7.1	524	159	1.0	5.7	19.55	1.16	1981	1974
<i>500</i>	554	5842	554	-3.5	5.8	-11.0	481	-11.4	515	141	1.6	5.7	16.57	1.23	1981	1973
<i>450</i>	548	6669	548	-7.9	2.0	-15.0	440	-16.6	499	122	2.4	5.9	19.53	1.32	1981	1971
<i>400</i>	541	7576	541	-13.2	-4.1	-21.0	366	-22.2	492	116	3.3	6.2	20.99	1.40	1980	1971
<i>350</i>	533	8581	533	-19.7	-10.9	-28.0	270	-28.4	478	107	4.1	6.6	24.77	1.49	1988	1971
<i>300</i>	523	9711	523	-27.6	-18.9	-35.9	174	-35.3	466	106	5.6	7.4	31.44	1.56	1981	1986
<i>250</i>	507	10997	507	-37.6	-28.5	-46.1	60	-43.8	449	100	7.4	8.9	39.29	1.70	1981	1986
<i>200</i>	494	12499	494	-49.9	-40.1	-58.0			434	095	10.0	11.6	49.60	1.91	1981	1975
<i>175</i>	448	13357	448	-57.2	-46.1	-67.0			393	092	11.2	13.0	54.52	1.91	1981	1977
<i>150</i>	416	14314	416	-64.9	-55.3	-75.0			368	088	13.3	14.8	63.73	2.01	1984	1977
<i>125</i>	374	15408	374	-72.6	-53.0	-84.1			317	088	15.2	16.5	80.15	1.98	1975	1982
<i>100</i>	343	16698	343	-77.3	-66.3	-87.9			293	092	15.9	16.7	97.22	1.68	1984	1982
<i>80</i>	295	18001	295	-72.1	-59.5	-84.1			228	089	14.3	15.0	91.20	2.60	1985	1987
<i>70</i>	274	18809	274	-67.8	-53.5	-82.5			210	088	14.1	14.6	104.14	2.95	1984	1988
<i>60</i>	251	19738	251	-63.6	-49.5	-76.1			184	085	14.1	14.5	106.58	3.37	1984	1990
<i>50</i>	231	20873	231	-59.3	-49.7	-74.1			165	086	14.7	15.0	119.72	4.05	1989	1990
<i>40</i>	193	22301	193	-54.7	-43.5	-69.0			125	088	15.6	15.8	164.69	5.03	1985	1971
<i>30</i>	158	24168	158	-50.0	-35.1	-61.3			108	091	17.1	17.3	199.32	4.36	1988	1988
<i>25</i>	132	25344	132	-48.3	-35.5	-60.0			86	091	18.7	19.0	214.76	4.19	1985	1977
<i>20</i>	97	26826	97	-46.4	-33.3	-56.3			64	094	18.8	19.1	88.37	1.74	1985	1990
<i>15</i>	80	28731	80	-44.5	-28.5	-58.3			40	092	19.0	19.2	127.61	3.37	1985	1979
<i>10</i>	56	31420	56	-42.1	-30.7	-49.5			29	085	16.7	18.6	125.10	2.32	1989	1986
<i>7</i>	45	33819	45	-39.9	-31.5	-48.3			14	085	16.7	18.5	106.27	2.67	1987	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
564	541	522					328	104	1649	-78.9

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	619	1004	619	24.1	28.0	18.0	619	22.8	619	343	0.5	2.0	1.41	0.55	1973	1974
<i>1000</i>	567	81	506	24.1	30.6	18.0	506	22.1	500	337	0.4	2.0	12.92	0.64	1979	1974
<i>950</i>	568	509	568	23.9	30.8	18.6	567	18.4	563	357	0.9	4.9	22.76	0.85	1981	1987
<i>900</i>	568	1001	568	21.3	29.2	15.0	568	14.4	562	040	1.6	5.5	12.75	0.87	1981	1974
<i>850</i>	568	1493	568	18.3	25.2	11.0	568	10.7	563	045	2.1	5.8	12.73	0.93	1981	1974
<i>800</i>	568	2010	568	15.3	23.4	8.0	559	7.1	562	051	2.2	5.7	13.48	0.97	1981	1983
<i>750</i>	568	2543	568	12.4	22.4	3.4	532	3.6	558	056	1.5	5.7	13.66	0.92	1982	1988
<i>700</i>	567	3129	567	9.5	19.0	2.0	481	0.2	558	049	0.7	5.5	13.87	0.88	1981	1976
<i>650</i>	562	3738	562	6.6	16.0	-2.3	415	-2.9	547	315	0.2	5.5	14.91	0.89	1981	1982
<i>600</i>	558	4392	558	3.3	13.0	-3.1	369	-6.3	537	235	0.7	5.6	13.60	0.94	1981	1981
<i>550</i>	548	5101	547	-0.3	8.6	-8.0	314	-9.6	528	230	1.3	5.8	20.18	1.00	1981	1977
<i>500</i>	544	5850	543	-4.6	4.2	-12.1	275	-14.0	525	237	1.6	6.1	14.75	1.26	1989	1981
<i>450</i>	537	6673	536	-9.2	-0.7	-17.5	230	-18.6	514	238	1.9	6.6	20.43	1.36	1989	1982
<i>400</i>	532	7577	529	-14.7	-6.1	-24.1	177	-23.3	506	236	2.7	7.1	19.38	1.55	1989	1982
<i>350</i>	520	8577	518	-21.3	-12.3	-31.5	132	-29.2	494	239	3.6	7.9	23.92	1.60	1989	1982
<i>300</i>	512	9699	511	-29.3	-19.5	-40.1	81	-36.8	485	237	4.5	8.9	28.98	1.82	1989	1982
<i>250</i>	492	10977	491	-39.1	-29.1	-50.5	23	-43.3	461	236	5.2	10.0	37.78	1.98	1989	1982
<i>200</i>	480	12470	479	-51.0	-40.5	-61.0			448	224	5.3	11.0	48.92	2.09	1989	1975
<i>175</i>	446	13329	445	-57.9	-47.3	-68.1			411	216	5.2	11.8	55.47	1.95	1989	1987
<i>150</i>	420	14286	420	-65.2	-55.1	-76.1			383	202	4.9	11.9	64.12	1.87	1989	1987
<i>125</i>	374	15378	374	-72.5	-52.7	-83.1			338	180	4.3	10.7	71.62	1.68	1985	1981
<i>100</i>	350	16671	350	-77.3	-60.3	-88.1			313	135	3.9	8.6	82.36	1.82	1982	1982
<i>80</i>	305	17967	305	-73.1	-54.7	-84.5			265	107	5.3	8.1	100.39	2.71	1982	1987
<i>70</i>	296	18772	296	-68.6	-53.3	-80.1			255	094	5.9	7.7	112.18	2.78	1989	1988
<i>60</i>	259	19701	259	-63.6	-48.1	-80.0			212	083	6.9	8.2	119.60	3.16	1989	1974
<i>50</i>	230	20842	230	-58.8	-43.1	-78.0			188	084	8.7	9.6	146.77	3.47	1986	1972
<i>40</i>	197	22264	197	-54.5	-38.1	-64.7			152	086	10.0	10.4	146.59	2.64	1985	1983
<i>30</i>	162	24125	162	-50.2	-37.7	-59.0			128	088	11.8	12.8	161.13	3.06	1986	1972
<i>25</i>	140	25291	140	-48.4	-35.1	-58.0			107	092	12.5	12.8	147.81	3.24	1986	1972
<i>20</i>	119	26768	119	-46.7	-36.5	-58.5			84	094	12.5	13.2	114.29	1.58	1984	1986
<i>15</i>	94	28684	94	-44.2	-31.5	-55.9			51	099	12.3	13.4	122.91	1.61	1984	1984
<i>10</i>	64	31386	64	-41.2	-26.9	-50.7			37	093	9.4	11.9	174.15	2.09	1990	1984
<i>7</i>	40	33820	40	-38.8	-28.5	-49.7			21	091	9.2	11.4	275.22	3.09	1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

552 555 502 335 102 1659 -78.9

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1008	600	20.5	26.8	14.4	600	18.0	600	016	1.4	2.3	1.28	1.34	1983	1984
<i>1000</i>	555	110	553	20.7	26.6	14.8	549	17.2	547	018	1.8	2.7	9.15	1.25	1988	1984
<i>950</i>	555	538	554	21.3	28.4	14.0	549	12.5	548	038	3.6	5.4	19.92	1.27	1981	1971
<i>900</i>	555	1021	555	18.5	27.0	12.0	547	8.7	546	045	4.3	6.0	9.12	1.42	1981	1971
<i>850</i>	555	1509	555	15.6	23.6	7.0	532	5.4	548	043	3.8	5.7	9.33	1.43	1989	1973
<i>800</i>	554	2021	553	13.3	21.6	6.8	453	2.2	546	037	2.5	5.3	9.68	1.16	1989	1984
<i>750</i>	553	2555	551	11.3	19.2	4.2	360	-0.8	544	006	1.4	5.2	13.67	0.91	1982	1982
<i>700</i>	551	3135	547	8.8	16.8	1.0	294	-3.5	543	312	1.7	5.5	10.49	0.74	1982	1977
<i>650</i>	543	3748	539	5.9	14.2	-4.0	232	-6.3	531	294	2.5	5.9	16.91	0.72	1982	1971
<i>600</i>	539	4397	537	2.6	9.8	-3.7	193	-9.5	525	284	3.5	6.5	11.64	0.70	1982	1984
<i>550</i>	528	5101	525	-1.3	5.2	-8.0	158	-13.0	514	282	4.7	7.5	20.32	0.92	1989	1971
<i>500</i>	523	5848	522	-5.7	2.4	-13.1	129	-16.8	510	278	5.9	8.4	14.63	0.98	1989	1981
<i>450</i>	515	6665	514	-10.6	-3.1	-20.1	113	-21.6	497	275	7.7	9.9	20.60	1.09	1980	1981
<i>400</i>	510	7565	509	-16.3	-7.9	-26.3	90	-25.9	492	272	9.5	11.7	18.95	1.20	1988	1981
<i>350</i>	499	8561	498	-23.0	-11.1	-32.7	63	-31.9	478	268	11.5	13.6	22.66	1.26	1981	1986
<i>300</i>	492	9672	491	-31.0	-22.7	-43.1	29	-39.2	471	263	14.2	16.2	26.46	1.41	1985	1980
<i>250</i>	475	10942	474	-40.8	-31.1	-57.3	4	-45.9	444	256	16.0	18.3	34.40	1.61	1981	1980
<i>200</i>	448	12424	448	-52.3	-40.9	-61.1			420	247	17.2	19.7	43.26	1.64	1989	1990
<i>175</i>	413	13276	413	-58.8	-46.5	-68.3			379	246	17.3	19.8	50.31	1.85	1989	1986
<i>150</i>	390	14228	390	-65.8	-54.5	-76.3			354	246	16.2	18.4	56.73	1.76	1985	1987
<i>125</i>	352	15320	352	-72.3	-51.1	-89.3			313	251	13.2	15.4	62.18	3.15	1988	1987
<i>100</i>	306	16617	306	-76.7	-62.7	-86.5			270	255	8.0	11.0	72.62	1.75	1984	1987
<i>80</i>	265	17908	265	-74.5	-56.1	-85.9			216	277	2.0	7.7	88.49	2.16	1984	1981
<i>70</i>	252	18698	252	-70.7	-50.7	-81.9			203	300	1.5	6.6	101.92	3.02	1988	1987
<i>60</i>	222	19626	222	-66.0	-46.5	-79.1			173	002	1.1	6.1	101.65	4.03	1988	1979
<i>50</i>	197	20744	197	-60.7	-42.1	-76.9			150	073	0.6	6.4	121.62	3.88	1988	1981
<i>40</i>	154	22161	154	-55.3	-41.7	-75.5			107	068	2.3	6.7	166.04	5.97	1988	1981
<i>30</i>	115	24014	115	-51.0	-36.1	-59.9			81	087	4.5	7.9	151.96	2.98	1982	1987
<i>25</i>	99	25193	99	-49.0	-38.1	-57.9			66	096	5.2	9.0	137.78	2.41	1988	1987
<i>20</i>	89	26662	89	-46.9	-35.7	-55.3			56	100	6.8	10.3	138.60	2.31	1988	1987
<i>15</i>	73	28563	73	-44.8	-34.9	-53.3			40	097	4.8	8.4	141.92	2.09	1985	1987
<i>10</i>	57	31272	57	-41.6	-30.5	-51.3			31	070	3.8	9.1	198.20	3.80	1982	1989
<i>7</i>	46	33688	46	-39.5	-30.3	-50.9			20	053	3.2	9.2	228.08	4.21	1985	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
534	566	485					293	102	1656	-78.2

NORMALS OF RADIOSONDE DATA

42971 BHUBANESWAR

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	615	1010	615	16.9	23.0	11.0	615	14.1	615	028	1.1	1.7	0.89	1.27	1977	1974
1000	579	131	579	17.5	23.0	12.0	579	13.1	579	033	1.6	2.5	6.62	1.22	1977	1971
950	579	555	579	18.6	27.8	10.4	575	8.8	578	042	2.6	4.7	19.56	1.58	1988	1990
900	579	1033	579	16.2	26.0	8.8	564	5.1	578	031	2.9	4.9	6.86	1.65	1979	1990
850	579	1517	578	13.9	22.6	6.0	508	1.2	578	004	2.9	5.0	8.22	1.28	1981	1980
800	578	2026	576	12.2	20.6	3.0	386	-2.0	577	336	3.0	5.4	9.41	1.00	1980	1980
750	578	2558	578	10.3	18.8	0.8	277	-5.0	576	314	3.7	5.9	10.05	0.88	1980	1980
700	578	3135	578	7.9	19.0	-2.5	189	-7.0	577	301	4.6	6.6	10.24	0.89	1977	1980
650	572	3743	572	4.9	12.4	-5.7	129	-9.6	570	290	6.0	7.8	12.61	0.97	1979	1980
600	571	4392	571	1.5	9.6	-9.1	100	-11.9	568	283	7.6	9.3	10.36	0.93	1979	1980
550	569	5092	569	-2.4	5.0	-12.3	75	-15.0	563	281	9.3	10.9	18.74	0.92	1985	1980
500	565	5838	563	-6.9	0.8	-15.3	58	-18.4	560	277	11.2	12.9	12.99	1.00	1989	1980
450	556	6650	554	-12.1	-1.1	-23.0	48	-23.8	545	275	13.3	15.1	17.81	1.08	1987	1971
400	550	7544	548	-18.1	-9.1	-27.0	43	-28.4	538	272	15.9	17.6	20.45	1.08	1990	1974
350	540	8532	538	-24.9	-14.7	-33.7	32	-34.6	526	269	19.0	20.7	22.68	1.19	1984	1988
300	533	9634	532	-32.9	-21.5	-41.7	15	-40.6	518	268	22.0	23.7	28.39	1.32	1987	1988
250	515	10894	515	-42.2	-31.1	-50.9	4	-44.8	497	263	24.9	27.2	33.43	1.29	1990	1988
200	494	12370	493	-53.2	-41.3	-63.3			462	257	26.9	29.0	39.74	1.38	1990	1981
175	435	13221	435	-59.2	-47.7	-69.3			398	255	26.7	28.9	46.94	1.41	1990	1981
150	396	14173	396	-65.3	-53.5	-77.9			360	253	24.4	26.4	51.07	1.68	1990	1987
125	335	15269	335	-70.9	-57.0	-82.5			297	255	20.6	22.1	71.84	2.07	1971	1987
100	291	16574	291	-75.6	-65.9	-87.1			252	262	15.4	17.4	80.82	1.75	1980	1987
80	251	17862	251	-74.7	-57.0	-84.1			207	266	9.4	12.6	86.00	2.08	1971	1984
70	229	18653	229	-71.7	-55.3	-84.7			190	273	6.6	10.3	101.04	3.05	1985	1988
60	209	19575	209	-67.1	-48.1	-80.0			168	283	4.0	7.8	107.01	4.05	1985	1971
50	191	20697	191	-61.9	-43.5	-78.1			153	292	2.1	7.0	115.42	3.56	1990	1987
40	160	22100	160	-57.2	-43.1	-72.5			111	321	1.1	7.0	138.41	3.23	1984	1987
30	125	23949	125	-52.6	-38.1	-66.5			85	082	2.1	7.6	158.10	3.82	1982	1987
25	106	25121	106	-50.0	-37.7	-62.3			71	096	2.6	7.2	232.13	4.41	1982	1987
20	88	26578	88	-48.0	-36.9	-58.5			58	089	2.4	8.0	188.58	2.25	1982	1987
15	70	28466	70	-45.2	-30.3	-57.1			33	104	2.3	7.8	184.94	3.36	1988	1988
10	50	31179	50	-42.7	-32.3	-55.3			27	344	1.8	8.4	197.26	4.08	1985	1988
7	38	33616	38	-40.5	-32.1	-53.7			12	337	3.7	10.5	217.04	4.11	1985	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
570	580	466	2	154	1382	-71.0		268	097	1680	-77.5

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

JANUARY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	956	248	12.6	18.8	5.8	248	6.8	248	075	1.8	3.0	1.41	0.69	1985	1989
<i>1000</i>	231	146							1	000	0.0	0.0	11.10			
<i>950</i>	229	561	228	13.3	21.6	7.0	227	6.2	224	074	1.9	3.5	10.35	0.93	1983	1989
<i>900</i>	229	1036	229	16.0	25.8	8.2	220	2.7	224	104	1.0	5.3	10.95	1.67	1990	1989
<i>850</i>	229	1520	229	14.1	22.0	5.4	198	1.2	224	268	3.4	5.8	11.69	1.73	1990	1989
<i>800</i>	229	2029	229	11.4	21.8	3.6	181	-1.6	224	268	5.5	7.2	13.23	1.66	1988	1990
<i>750</i>	229	2568	229	8.4	18.0	0.4	146	-4.5	224	267	7.5	9.3	16.01	1.53	1990	1983
<i>700</i>	229	3131	229	5.5	17.6	-1.5	111	-8.0	222	273	9.2	10.9	15.52	1.64	1990	1990
<i>650</i>	227	3730	226	2.4	12.8	-4.9	81	-12.2	219	274	11.2	12.7	17.30	1.70	1990	1986
<i>600</i>	226	4376	225	-0.9	7.8	-9.9	59	-15.8	216	275	13.9	15.3	20.34	1.66	1990	1986
<i>550</i>	224	5078	224	-4.8	3.0	-13.1	40	-19.7	213	274	17.0	18.5	25.03	1.73	1987	1985
<i>500</i>	224	5809	224	-9.1	-0.5	-17.5	34	-22.6	207	274	19.7	21.3	27.03	1.92	1983	1985
<i>450</i>	219	6622	219	-13.9	-6.1	-23.5	25	-26.6	197	273	23.3	25.2	34.34	2.11	1989	1985
<i>400</i>	214	7505	214	-19.3	-9.3	-30.1	19	-30.1	185	272	26.6	28.7	39.07	2.47	1990	1985
<i>350</i>	205	8490	205	-25.5	-12.7	-36.7	15	-35.1	161	271	30.9	33.0	42.80	2.70	1990	1987
<i>300</i>	192	9595	192	-32.3	-21.9	-42.1	9	-41.6	133	271	33.7	35.8	60.86	2.86	1990	1985
<i>250</i>	174	10869	174	-40.5	-30.3	-50.3	2	-44.7	101	265	35.7	37.6	77.79	2.89	1990	1985
<i>200</i>	140	12359	140	-51.0	-40.5	-60.9			65	264	35.5	37.4	109.88	3.19	1987	1985
<i>175</i>	115	13229	115	-56.1	-45.1	-64.7			41	261	32.6	34.9	127.47	3.73	1987	1985
<i>150</i>	90	14201	90	-61.6	-49.9	-71.1			24	258	29.6	31.7	83.93	2.92	1987	1983
<i>125</i>	63	15316	63	-66.8	-57.3	-75.7			13	258	25.1	28.4	97.31	2.53	1987	1983
<i>100</i>	51	16640	51	-71.3	-65.1	-82.1			7	266	15.2	17.7	130.61	2.43	1983	1989
<i>80</i>	42	17950	42	-70.4	-60.1	-80.3			3	297	15.0	17.3	87.62	1.09	1983	1983
<i>70</i>	37	18760	36	-68.4	-55.9	-77.1			2	273	7.7	8.5	110.61	3.17	1990	1983
<i>60</i>	33	19670	33	-63.7	-52.5	-73.3			1	022	2.0	2.0	139.53	4.49	1983	1983
<i>50</i>	27	20787	27	-57.9	-46.1	-70.1			1	038	4.0	4.0	190.15	4.84	1983	1983
<i>40</i>	23	22204	23	-53.9	-44.3	-64.5							119.97	0.21	1983	1983
<i>30</i>	13	24041	13	-50.0	-41.9	-58.1									1983	1983
<i>25</i>	8	25205	8	-49.4	-40.1	-56.3									1983	1983
<i>20</i>	5	26564	5	-49.3	-42.7	-54.1									1983	1983
<i>15</i>	4	28455	4	-47.2	-41.5	-51.1									1983	1983
<i>10</i>	2	31069	2	-44.9	-43.5	-46.3									1990	1983
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
227	618	415	2	137	1466	-73.8	41	099	1677	-73.0

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

FEBRUARY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDC	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	223	955	223	14.4	21.0	6.8	223	6.0	223	060	1.4	3.2	1.54	1.31	1990	1984
1000	212	129											13.56			
950	212	553	204	14.9	26.8	7.0	202	5.5	198	064	1.7	3.6	10.99	1.47	1990	1984
900	212	1024	212	17.4	28.2	7.4	200	1.7	206	022	1.0	6.4	9.21	2.09	1990	1984
850	212	1510	212	14.7	24.4	6.4	194	-0.9	206	268	3.5	6.4	7.43	2.00	1985	1983
800	212	2020	212	11.7	21.0	3.2	180	-2.8	206	264	6.2	7.9	6.45	1.69	1990	1983
750	212	2556	212	8.4	17.0	0.4	152	-5.1	205	263	8.2	9.9	5.58	1.51	1990	1983
700	212	3122	212	5.1	14.0	-3.1	120	-7.3	204	267	10.4	12.1	7.55	1.58	1990	1983
650	209	3713	209	1.9	9.8	-6.1	97	-11.3	200	258	12.7	14.3	8.51	1.65	1990	1986
600	208	4365	208	-1.5	7.4	-8.7	67	-15.8	197	272	15.1	16.4	12.26	1.65	1990	1988
550	204	5065	204	-5.5	2.0	-12.5	50	-19.3	191	273	17.9	19.2	8.61	1.55	1985	1987
500	202	5795	202	-10.0	-1.1	-18.9	36	-23.3	187	273	21.0	22.4	16.52	1.50	1985	1988
450	199	6605	199	-15.0	-5.3	-24.1	26	-25.9	181	273	24.3	25.8	15.00	1.57	1985	1986
400	197	7485	197	-20.5	-9.9	-28.9	22	-31.7	173	274	27.9	29.5	23.65	1.94	1990	1984
350	189	8466	189	-26.3	-15.3	-37.1	14	-36.9	146	273	31.4	33.1	23.12	2.26	1990	1986
300	178	9564	178	-32.8	-21.3	-44.9	4	-42.1	114	272	34.8	36.7	39.16	2.03	1989	1988
250	156	10827	156	-41.1	-31.5	-54.1	2	-48.4	82	269	37.6	39.8	44.08	1.90	1984	1988
200	129	12318	129	-50.2	-42.3	-65.7			46	267	35.9	38.6	55.25	1.28	1985	1988
175	102	13184	102	-55.3	-46.9	-64.9			30	271	36.0	37.7	76.50	1.34	1990	1988
150	70	14151	70	-60.5	-47.7	-68.9			21	273	32.9	35.0	83.54	2.40	1987	1989
125	54	15269	54	-66.5	-56.1	-75.5			12	271	29.1	30.7	78.88	2.63	1983	1983
100	32	16590	32	-71.1	-61.7	-82.3			2	281	17.3	17.5	63.79	1.50	1983	1983
80	28	17910	28	-70.3	-62.3	-82.5			1	300	16.0	16.0	81.14	2.02	1986	1983
70	25	18712	25	-67.7	-59.1	-76.9			1	267	11.0	11.0	69.74	4.12	1986	1983
60	20	19656	20	-63.4	-56.3	-69.9			1	297	15.0	15.0			1983	1983
50	17	20780	17	-58.4	-53.5	-63.1									1983	1988
40	14	22178	14	-55.1	-50.3	-59.1									1986	1983
30	10	24015	10	-51.8	-46.3	-56.1									1983	1983
25	9	25169	9	-49.2	-42.9	-53.9									1983	1983
20	7	26774	7	-45.6	-38.7	-50.7									1983	1983
15	3	28622	3	-44.9	-41.1	-47.5									1983	1983
10	2	31307	2	-42.6	-42.1	-43.1									1983	1983
7																

FREEZING LEVEL

N P ALT

207 622 407

1ST TROPOPAUSE

N P ALT T

1 268 1020 -48.9

2ND TROPOPAUSE

N P ALT T

27 099 1667 -72.5

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

MARCH 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	246	953	246	19.2	25.6	12.0	246	6.1	246	004	0.8	3.7	1.22	0.83	1985	1990
1000	232	105							1	091	3.0	3.0	10.64			
950	226	536	204	19.6	27.2	12.2	198	6.3	202	024	0.9	3.8	11.80	0.98	1987	1990
900	232	1012	232	22.0	31.8	12.4	211	1.8	230	340	2.0	6.8	11.01	1.35	1987	1990
850	232	1505	232	18.9	27.6	9.8	196	-0.5	229	292	4.1	6.7	10.62	1.19	1987	1990
800	232	2022	232	15.3	24.0	6.4	195	-2.9	230	276	6.0	7.4	10.78	1.12	1987	1990
750	232	2558	231	11.4	19.6	3.0	180	-4.9	229	269	8.3	9.4	12.19	1.06	1987	1990
700	232	3135	231	7.3	16.0	1.0	162	-6.8	229	265	9.6	10.9	12.49	0.92	1985	1989
650	231	3734	230	3.2	12.4	-2.5	139	-9.8	225	267	11.3	12.6	21.49	0.96	1985	1988
600	230	4385	230	-0.7	8.4	-13.9	109	-13.6	224	272	12.8	14.1	14.06	1.07	1985	1987
550	229	5081	229	-4.8	3.2	-12.3	80	-18.1	219	275	14.4	15.6	12.78	1.21	1985	1983
500	228	5819	228	-9.2	-0.3	-15.9	65	-23.1	214	276	16.4	17.7	16.86	1.37	1988	1988
450	226	6629	226	-14.3	-3.7	-23.1	48	-27.5	213	275	18.6	19.8	21.02	1.59	1990	1988
400	220	7511	220	-20.0	-8.3	-28.9	32	-32.4	199	273	21.5	23.1	23.18	1.86	1990	1983
350	207	8489	207	-26.4	-15.5	-37.5	19	-37.5	175	274	24.3	26.5	27.33	2.12	1988	1983
300	196	9588	196	-33.4	-23.7	-47.5	8	-42.9	146	272	27.9	30.5	36.64	2.22	1990	1983
250	175	10847	175	-41.3	-30.9	-55.9			109	271	30.3	33.8	48.57	1.54	1987	1983
200	143	12328	143	-50.5	-41.7	-66.1			68	272	32.5	35.6	55.48	1.87	1987	1983
175	119	13178	119	-55.4	-45.5	-73.5			51	277	31.4	34.3	60.11	2.42	1989	1983
150	102	14154	102	-60.3	-48.5	-80.1			33	276	30.6	32.4	74.95	2.89	1989	1983
125	81	15293	81	-65.6	-56.1	-75.1			21	274	23.4	24.9	72.57	3.13	1989	1983
100	61	16627	61	-71.4	-58.1	-84.3			12	281	21.2	22.5	91.97	3.04	1990	1989
80	47	17935	47	-71.5	-61.9	-82.5			7	278	17.0	17.7	115.52	2.35	1988	1989
70	40	18739	40	-69.1	-59.7	-79.3			4	282	16.0	17.3	125.92	2.41	1990	1983
60	36	19645	36	-64.7	-55.1	-76.7			3	258	12.6	13.3	140.63	2.35	1990	1983
50	32	20773	32	-59.1	-34.5	-74.7			2	236	7.9	8.0	172.51	5.66	1986	1983
40	28	22165	28	-55.3	-40.1	-69.9			1	346	9.0	9.0	210.93	3.44	1986	1983
30	26	24031	26	-50.7	-43.1	-64.9			1	127	5.0	5.0	230.22	1.69	1983	1983
25	21	25217	21	-48.1	-40.7	-61.5			1	051	7.0	7.0	221.22	1.91	1983	1983
20	17	26739	17	-45.6	-39.5	-57.3			1	116	18.0	18.0			1990	1983
15	9	28575	9	-42.8	-35.5	-52.1									1983	1983
10	1	31374	1	-40.5	-40.5	-40.5									1986	1986
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

230 608 428

40 094 1701 -74.2

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

APRIL 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	239	950	239	23.6	29.4	15.0	239	7.7	239	305	2.7	4.8	1.22	0.72	1987	1983
1000	213	73							1	294	8.0	8.0	10.57			
950	192	506	100	22.8	31.6	15.6	97	6.9	102	339	1.8	4.3	14.68	1.88	1988	1983
900	213	993	213	25.6	37.0	14.4	196	4.0	212	319	5.8	8.6	10.54	1.82	1987	1983
850	213	1491	213	22.7	34.4	13.2	186	1.2	211	312	5.5	7.4	9.52	2.10	1987	1985
800	213	2014	213	18.9	30.0	7.8	189	-1.4	212	294	5.6	7.0	10.50	2.09	1987	1983
750	213	2553	212	14.4	25.0	4.4	187	-3.4	212	274	6.2	7.5	13.47	1.96	1987	1983
700	213	3141	212	9.8	19.8	1.6	186	-5.6	212	261	7.6	9.1	14.64	1.87	1987	1983
650	211	3736	211	5.2	14.4	-2.1	169	-8.2	210	257	8.9	10.5	11.59	1.72	1987	1983
600	210	4398	210	0.8	8.6	-6.9	137	-10.8	208	262	10.7	12.0	19.38	1.62	1987	1983
550	208	5095	208	-3.4	5.6	-12.1	102	-14.7	204	271	12.1	13.5	26.72	1.78	1990	1983
500	206	5839	206	-7.8	1.6	-16.7	72	-20.3	200	277	13.8	15.3	26.87	1.83	1987	1983
450	204	6648	204	-12.9	-2.5	-21.9	54	-24.8	196	278	16.1	17.7	31.55	1.81	1987	1984
400	203	7541	203	-18.7	-8.9	-27.7	46	-29.8	187	279	18.4	20.3	39.60	1.57	1987	1985
350	195	8525	194	-24.9	-16.3	-32.5	26	-35.0	171	278	21.2	23.3	34.96	1.18	1987	1983
300	188	9632	187	-31.8	-23.5	-39.3	14	-41.8	146	276	24.0	26.6	45.39	1.47	1989	1983
250	177	10902	176	-40.1	-32.7	-48.7	1	-51.5	116	274	27.2	30.1	53.29	2.01	1990	1983
200	154	12394	154	-49.5	-40.7	-61.9			81	267	29.7	32.5	56.61	2.19	1990	1983
175	129	13266	129	-54.2	-45.9	-67.5			52	265	26.7	29.0	67.70	2.11	1985	1983
150	114	14250	114	-59.3	-50.9	-72.9			38	259	21.1	22.6	77.86	2.31	1988	1983
125	90	15363	90	-65.6	-55.7	-79.7			24	260	19.4	20.9	112.98	3.02	1987	1983
100	69	16675	69	-70.9	-60.3	-86.1			14	253	15.4	16.7	111.43	3.20	1987	1983
80	47	18010	47	-70.0	-56.1	-82.5			5	239	7.4	11.8	122.67	3.72	1987	1983
70	44	18835	44	-67.9	-54.1	-79.1			2	230	7.2	9.0	132.00	3.25	1990	1983
60	40	19738	40	-63.5	-51.7	-74.3			1	178	27.0	27.0	144.39	4.36	1987	1983
50	34	20856	34	-58.5	-48.3	-67.9							159.93	4.42	1987	1983
40	31	22282	31	-53.2	-42.3	-62.7							192.71	4.20	1987	1988
30	28	24133	28	-48.2	-36.1	-57.1							223.73	4.53	1986	1983
25	22	25341	22	-46.1	-35.3	-54.1							163.96	2.30	1990	1983
20	13	26827	13	-43.3	-37.1	-50.1									1988	1983
15	5	28692	5	-44.4	-40.9	-50.1									1986	1990
10	3	31647	3	-41.9	-37.7	-47.3									1986	1990
7	1	33847	1	-44.5	-44.5	-44.5									1990	1990

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
208	590	453					44	098	1680	-71.5

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

MAY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	247	947	247	27.1	32.0	20.0	247	12.6	247	287	4.5	5.8	1.54	0.76	1988	1989
1000	225	40											15.34			
950	224	476	30	26.6	30.4	23.2	28	9.8	24	283	4.8	7.4	15.62	1.58	1987	1984
900	224	971	223	27.5	37.6	20.4	218	9.4	221	303	8.0	10.3	12.53	1.21	1990	1990
850	224	1474	223	25.2	34.6	18.6	210	5.7	220	312	6.6	8.4	11.37	1.37	1990	1983
800	224	2002	223	21.5	31.0	15.0	202	2.5	220	312	5.0	7.1	10.29	1.34	1990	1983
750	224	2549	223	17.3	26.6	10.6	202	-0.2	220	304	4.1	6.2	7.95	1.35	1990	1984
700	224	3140	224	12.3	21.8	5.2	200	-1.8	220	296	3.5	6.3	9.22	1.42	1990	1987
650	224	3740	224	7.3	16.8	2.4	196	-4.3	220	295	3.5	7.1	12.05	1.33	1990	1983
600	223	4409	222	2.7	11.0	-3.1	178	-8.0	216	291	4.1	7.3	10.22	1.38	1990	1984
550	219	5115	218	-1.4	9.0	-8.1	130	-13.3	210	301	6.1	9.1	11.87	1.54	1988	1987
500	218	5861	217	-5.6	5.2	-13.9	84	-17.0	208	299	7.6	10.2	17.17	1.82	1989	1985
450	213	6686	212	-10.1	1.6	-17.7	53	-21.4	197	298	9.2	11.6	24.47	1.96	1989	1985
400	209	7580	209	-15.5	-4.7	-23.9	39	-25.1	188	292	10.7	13.1	29.55	2.00	1989	1985
350	203	8573	203	-21.6	-12.3	-30.1	24	-29.9	171	285	12.0	14.5	35.23	2.10	1990	1987
300	199	9697	199	-28.8	-20.1	-38.1	16	-38.2	158	280	13.2	15.6	47.29	2.29	1990	1987
250	187	10980	187	-37.6	-29.5	-46.5	5	-43.6	130	269	13.6	16.2	60.07	2.21	1988	1983
200	174	12490	174	-47.8	-40.1	-56.9			111	261	14.1	16.5	74.88	2.09	1987	1983
175	155	13358	155	-53.7	-45.7	-65.9			96	259	14.1	16.2	83.26	1.87	1990	1986
150	132	14339	132	-59.8	-51.9	-70.1			78	262	12.5	15.9	100.65	1.79	1987	1983
125	112	15457	112	-66.4	-57.3	-81.3			61	263	8.8	14.0	104.02	1.85	1990	1983
100	91	16783	91	-71.9	-63.3	-81.9			48	260	5.3	13.6	110.34	1.71	1987	1983
80	74	18089	74	-71.4	-53.9	-85.3			33	152	1.2	12.4	114.37	3.11	1989	1983
70	69	18909	69	-67.8	-49.5	-80.1			32	077	1.0	11.4	126.79	3.04	1989	1983
60	60	19808	60	-62.9	-52.1	-74.3			26	051	2.0	13.0	140.54	2.60	1990	1983
50	55	20950	55	-57.6	-46.7	-71.9			25	033	3.4	12.9	148.52	2.76	1990	1983
40	48	22370	48	-53.0	-44.7	-67.7			21	046	4.4	12.7	151.49	3.53	1986	1983
30	46	24249	46	-47.4	-40.1	-62.3			20	054	5.8	14.5	178.62	4.16	1986	1983
25	40	25416	40	-45.0	-36.5	-58.9			18	031	3.6	16.0	203.22	4.30	1987	1983
20	30	26899	30	-41.6	-29.5	-54.5			12	035	2.6	17.0	238.79	4.10	1987	1983
15	18	28757	18	-40.4	-31.9	-51.5			7	111	5.8	11.0			1988	1983
10	8	31456	8	-38.3	-33.1	-46.9			2	167	7.3	7.5			1983	1983
7	4	33794	4	-36.4	-29.5	-42.9			2	089	8.1	9.5			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
220	566	486	1	179	1310	-59.3	69	094	1714	-74.0

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

JUNE 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	240	944	240	26.3	31.6	20.0	240	20.0	240	272	4.9	6.3	1.00	0.67	1984	1983
1000	213	14											9.60			
950	212	450	1	24.0	24.0	24.0	1	19.2	1	023	2.0	2.0	15.85		1983	1983
900	213	943	213	24.9	33.6	18.2	209	17.5	208	283	9.2	10.9	8.66	0.92	1987	1984
850	213	1442	213	22.8	29.8	15.6	210	14.4	208	298	7.7	9.5	7.47	1.13	1987	1984
800	213	1967	213	19.9	26.0	13.2	210	10.8	208	312	5.4	7.5	8.57	1.02	1987	1984
750	213	2520	213	16.4	21.6	10.8	210	7.3	208	337	2.6	5.6	6.87	0.84	1987	1984
700	213	3102	212	12.4	17.2	5.6	206	3.7	208	359	2.2	5.7	9.41	0.91	1987	1988
650	212	3714	210	8.3	12.8	0.2	204	0.0	206	010	2.1	6.1	10.76	1.06	1987	1988
600	212	4377	211	4.3	12.4	-2.9	198	-3.6	202	353	1.7	6.1	13.50	1.17	1986	1984
550	212	5097	211	0.7	8.0	-5.7	177	-7.1	203	335	1.6	5.9	19.15	1.27	1986	1988
500	212	5841	212	-2.8	3.6	-10.9	149	-9.6	200	336	1.7	6.3	19.67	1.27	1986	1988
450	209	6682	209	-6.7	-1.5	-14.3	131	-14.1	195	324	1.9	6.6	27.45	1.46	1986	1983
400	208	7584	208	-11.4	-3.7	-19.7	106	-19.6	193	315	1.8	6.8	27.80	1.55	1986	1983
350	204	8593	204	-17.3	-7.9	-26.3	78	-25.6	186	329	1.3	7.2	35.35	1.54	1986	1983
300	197	9738	197	-24.6	-17.9	-33.3	60	-33.0	180	238	1.0	7.4	43.23	1.61	1990	1983
250	188	11041	188	-33.9	-26.9	-42.3	32	-42.0	164	155	0.7	7.9	49.33	1.45	1987	1983
200	174	12569	173	-45.8	-38.9	-53.7			142	126	2.3	9.1	58.36	1.34	1985	1983
175	161	13445	160	-52.8	-45.7	-60.9			123	111	3.2	10.1	63.02	1.30	1985	1983
150	144	14418	143	-60.3	-51.3	-68.1			109	098	5.0	10.6	68.30	1.14	1983	1983
125	115	15527	115	-67.7	-59.1	-79.5			83	085	8.0	12.5	77.21	1.27	1987	1983
100	90	16853	89	-73.0	-64.3	-81.7			61	089	12.0	14.5	84.96	1.27	1989	1983
80	72	18167	72	-71.6	-58.5	-79.3			48	083	12.3	15.2	108.07	2.50	1990	1983
70	65	18992	65	-67.5	-52.7	-77.5			41	082	13.6	15.1	118.62	2.98	1987	1984
60	60	19896	60	-63.0	-49.1	-72.9			35	087	13.1	14.6	128.25	2.87	1989	1984
50	54	21038	54	-56.4	-40.7	-69.7			29	083	13.6	14.8	147.11	3.43	1989	1984
40	46	22459	46	-51.6	-41.7	-61.5			24	077	13.9	15.7	153.17	2.97	1989	1984
30	28	24305	28	-47.9	-38.7	-59.1			13	094	16.9	18.4	190.53	2.27	1985	1984
25	24	25530	24	-45.1	-36.1	-57.7			11	095	18.1	19.5	156.31	2.14	1986	1984
20	19	27038	19	-42.8	-34.3	-55.7			5	103	15.3	17.6			1986	1984
15	10	28916	10	-42.4	-37.3	-52.7			3	109	15.8	18.7			1987	1984
10	4	31392	4	-42.7	-36.5	-48.1			1	166	25.0	25.0			1983	1984
7	3	33754	3	-39.8	-33.7	-44.1			1	167	22.0	22.0			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
211	540	524					70	096	1710	-74.5

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

JULY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	246	944	246	24.3	28.4	21.2	246	21.7	246	260	5.0	6.0	1.05	0.56	1987	1986
<i>1000</i>	212	19											10.71			
<i>950</i>	203	447											5.67			
<i>900</i>	212	942	212	22.3	27.8	16.0	211	19.9	207	273	9.7	11.4	9.58	0.83	1989	1985
<i>850</i>	212	1437	212	20.1	27.0	14.2	211	17.5	207	282	8.7	10.5	8.11	1.07	1989	1985
<i>800</i>	212	1958	212	17.6	25.4	11.8	211	14.7	207	285	5.7	7.8	7.38	1.14	1987	1985
<i>750</i>	212	2511	212	14.9	21.2	8.0	211	11.3	207	288	3.5	6.4	8.54	1.01	1988	1988
<i>700</i>	212	3088	212	12.1	17.6	5.4	209	7.7	207	296	2.3	5.6	8.12	1.08	1988	1985
<i>650</i>	210	3707	210	9.1	14.2	2.6	205	3.3	201	322	1.6	5.4	11.46	1.14	1988	1985
<i>600</i>	209	4370	209	5.7	11.8	-1.3	203	-0.5	194	352	1.4	5.3	10.91	1.28	1988	1983
<i>550</i>	208	5097	208	2.1	7.6	-5.5	199	-4.3	194	017	1.0	5.2	19.62	1.36	1984	1983
<i>500</i>	207	5839	207	-1.5	4.0	-8.1	193	-8.1	188	060	1.4	5.6	19.50	1.31	1988	1983
<i>450</i>	201	6687	200	-5.6	0.4	-12.3	180	-13.0	180	074	1.8	5.4	23.54	1.36	1988	1985
<i>400</i>	198	7590	198	-10.5	-4.1	-17.3	167	-18.4	173	083	3.2	5.7	29.97	1.30	1989	1990
<i>350</i>	197	8607	197	-16.4	-9.5	-22.9	147	-24.3	168	088	5.0	5.8	36.66	1.49	1984	1986
<i>300</i>	189	9754	189	-23.7	-15.5	-30.7	122	-31.8	157	086	6.8	8.0	40.05	1.44	1984	1989
<i>250</i>	176	11064	176	-33.2	-23.3	-43.3	72	-41.5	144	091	10.1	11.0	47.28	1.52	1984	1989
<i>200</i>	158	12595	158	-45.5	-38.5	-59.1	6	-53.5	117	088	13.9	14.9	53.95	1.47	1989	1989
<i>175</i>	139	13472	139	-52.9	-45.3	-62.7	1	-65.5	100	084	15.7	16.9	59.81	1.59	1989	1989
<i>150</i>	128	14450	128	-60.5	-50.5	-70.1			87	083	18.8	19.9	71.36	1.80	1987	1985
<i>125</i>	98	15571	98	-67.6	-59.3	-78.1			59	086	21.1	22.8	86.16	1.69	1989	1983
<i>100</i>	85	16898	85	-72.4	-63.5	-84.3			48	085	21.3	23.0	98.65	2.56	1988	1983
<i>80</i>	66	18231	66	-69.6	-59.1	-83.5			33	080	19.2	19.9	128.47	3.23	1987	1983
<i>70</i>	59	19067	59	-66.1	-55.7	-79.5			28	082	21.1	22.0	133.60	3.30	1985	1983
<i>60</i>	55	19981	55	-61.2	-51.5	-73.3			21	089	20.0	20.7	141.55	3.43	1990	1983
<i>50</i>	50	21121	50	-56.1	-46.5	-68.1			15	088	17.3	17.9	158.40	3.63	1989	1983
<i>40</i>	38	22600	38	-52.3	-43.1	-62.3			5	084	17.3	18.0	150.69	3.34	1987	1984
<i>30</i>	32	24466	32	-47.9	-34.5	-57.5			5	092	23.0	23.0	169.46	5.04	1989	1984
<i>25</i>	24	25648	24	-46.2	-33.9	-54.7			5	088	23.3	23.4	219.07	4.91	1985	1984
<i>20</i>	20	27129	20	-44.4	-37.7	-51.1			5	077	21.8	23.6			1988	1984
<i>15</i>	11	29043	11	-43.1	-39.5	-46.5			3	091	28.9	29.0			1984	1984
<i>10</i>	7	31856	7	-39.8	-36.3	-44.5			1	104	20.0	20.0			1984	1988
<i>7</i>	3	34396	3	-36.4	-35.9	-37.3			1	106	15.0	15.0			1988	1987

FREEZING LEVEL

N	P	ALT
208	521	552

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
65	100	1688	-74.4

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

AUGUST 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	246	945	246	23.6	26.4	20.4	246	22.0	246	277	4.6	5.7	0.87	0.62	1983	1986
<i>1000</i>	197	26											10.48			
<i>950</i>	193	445											10.37			
<i>900</i>	197	945	195	21.8	27.8	17.2	193	20.1	188	282	7.8	9.6	6.70	1.06	1990	1986
<i>850</i>	197	1439	196	19.5	25.2	13.0	194	17.4	188	296	5.9	8.8	4.51	1.33	1990	1984
<i>800</i>	197	1960	197	17.1	22.2	11.2	195	14.5	186	303	4.1	7.6	3.87	1.23	1989	1986
<i>750</i>	197	2512	197	14.6	19.8	9.0	194	11.0	183	321	2.4	6.7	9.75	1.12	1987	1985
<i>700</i>	197	3089	196	11.8	17.6	6.2	192	7.0	180	355	1.8	6.3	7.06	1.19	1987	1985
<i>650</i>	196	3706	195	8.8	18.2	3.0	189	3.3	172	010	1.8	6.5	6.23	1.00	1986	1985
<i>600</i>	193	4363	192	5.5	11.0	-0.5	182	-0.8	169	032	1.4	6.2	10.22	0.85	1990	1985
<i>550</i>	191	5091	190	2.1	8.0	-3.1	177	-4.9	166	054	1.7	6.4	12.11	0.85	1987	1990
<i>500</i>	185	5834	184	-1.6	4.2	-7.1	168	-9.4	164	074	2.7	6.4	15.93	0.93	1988	1983
<i>450</i>	183	6679	183	-5.8	1.0	-11.5	161	-13.8	155	085	3.3	6.8	17.96	1.01	1988	1985
<i>400</i>	179	7585	178	-10.8	-4.3	-16.5	154	-19.9	151	085	4.4	7.1	20.86	0.98	1988	1983
<i>350</i>	175	8599	174	-16.8	-10.1	-22.9	130	-25.7	141	091	5.5	7.2	25.82	1.10	1988	1983
<i>300</i>	169	9744	167	-24.2	-17.9	-30.5	97	-32.8	128	087	6.9	8.2	29.34	1.00	1988	1983
<i>250</i>	159	11052	158	-33.6	-27.3	-40.9	59	-41.7	107	087	8.3	9.3	35.25	1.13	1987	1983
<i>200</i>	142	12579	142	-45.9	-39.3	-54.9	6	-54.8	87	086	11.1	12.1	45.72	1.33	1987	1985
<i>175</i>	128	13449	127	-53.3	-45.5	-62.5	1	-65.7	71	085	11.9	13.4	49.14	1.56	1987	1983
<i>150</i>	108	14429	108	-60.7	-51.9	-70.7			55	083	13.2	14.4	50.56	1.66	1987	1983
<i>125</i>	80	15539	80	-68.6	-59.7	-77.1			42	080	16.3	17.5	63.34	1.73	1987	1985
<i>100</i>	59	16864	59	-72.5	-59.1	-81.9			26	081	19.6	20.4	104.74	2.97	1987	1985
<i>80</i>	44	18188	44	-67.1	-54.9	-77.7			15	073	22.1	23.5	139.77	4.81	1987	1984
<i>70</i>	33	19012	33	-63.4	-51.5	-73.1			9	075	16.1	16.9	159.87	4.74	1990	1983
<i>60</i>	29	19968	29	-58.5	-46.5	-69.1			8	074	15.9	16.4	175.42	4.83	1986	1983
<i>50</i>	21	21174	21	-53.2	-40.5	-63.5			4	084	17.7	17.8	216.06	5.21	1986	1988
<i>40</i>	10	22574	10	-50.4	-44.1	-58.5			3	078	13.3	13.3			1987	1984
<i>30</i>	6	24385	6	-48.3	-40.1	-58.1			2	099	16.8	17.0			1987	1984
<i>25</i>	4	25668	4	-44.0	-38.5	-48.9									1987	1984
<i>20</i>	3	27408	3	-40.8	-36.9	-45.3									1987	1990
<i>15</i>	1	29172	1	-42.7	-42.7	-42.7									1990	1990
<i>10</i>	1	31929	1	-38.7	-38.7	-38.7									1990	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
185	522	551					45	107	1644	-72.9

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

SEPTEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	VRTX	YRTN
<i>SURFACE</i>	213	948	213	23.0	28.2	20.0	213	20.6	213	284	3.7	4.9	1.37	0.84	1988	1984
<i>1000</i>	175	57											12.79			
<i>950</i>	174	478	36	22.3	24.0	20.4	36	19.6	30	281	2.0	3.7	14.45	0.39	1985	1984
<i>900</i>	175	976	171	23.0	32.0	17.4	168	17.9	165	298	5.9	8.4	9.19	1.76	1989	1985
<i>850</i>	175	1472	175	20.6	29.4	14.0	171	14.7	165	313	4.7	7.3	8.26	1.83	1987	1985
<i>800</i>	175	1993	175	17.7	25.8	10.8	171	11.5	165	330	3.6	6.5	8.00	1.70	1987	1985
<i>750</i>	175	2536	175	14.4	24.2	7.4	170	7.5	164	350	3.6	6.3	10.06	1.59	1989	1985
<i>700</i>	175	3120	175	10.8	18.0	4.0	165	3.1	163	360	3.4	6.1	11.06	1.38	1989	1985
<i>650</i>	174	3730	173	7.5	16.0	-0.1	161	-1.3	163	355	1.9	5.2	11.72	1.57	1989	1985
<i>600</i>	170	4388	168	4.5	14.4	-4.1	141	-5.1	156	327	1.1	5.0	14.16	1.45	1989	1985
<i>550</i>	163	5113	161	1.6	10.6	-7.1	117	-7.7	150	321	0.6	5.2	19.08	1.40	1989	1985
<i>500</i>	161	5855	159	-2.1	5.4	-11.1	98	-11.3	147	340	0.4	5.3	20.99	1.50	1987	1985
<i>450</i>	160	6698	160	-6.2	1.8	-14.9	87	-15.7	144	052	0.2	5.3	24.04	1.65	1987	1985
<i>400</i>	157	7601	157	-11.5	-3.3	-20.5	71	-21.0	143	056	1.0	5.7	31.52	1.61	1987	1985
<i>350</i>	152	8610	151	-17.8	-8.1	-24.9	59	-27.5	137	104	1.9	6.2	39.47	1.61	1988	1985
<i>300</i>	140	9751	138	-25.5	-18.5	-33.9	32	-35.2	119	098	2.5	6.6	48.30	1.71	1987	1985
<i>250</i>	128	11054	128	-35.0	-27.9	-45.1	11	-45.1	103	112	3.3	7.6	59.04	1.75	1987	1985
<i>200</i>	110	12580	110	-47.2	-40.9	-60.5	1	-58.3	84	113	4.7	9.1	74.32	2.31	1987	1985
<i>175</i>	92	13467	92	-54.0	-48.1	-68.1			68	098	6.5	9.5	84.92	2.56	1987	1985
<i>150</i>	69	14445	69	-61.2	-53.9	-73.3			45	093	7.4	9.8	94.74	2.69	1989	1985
<i>125</i>	53	15583	53	-67.6	-60.1	-75.7			28	093	8.5	10.9	106.65	2.38	1987	1990
<i>100</i>	39	16896	39	-71.3	-63.3	-80.7			20	088	11.9	13.3	125.08	2.50	1987	1990
<i>80</i>	34	18207	34	-67.4	-54.1	-77.1			14	079	13.5	13.8	136.95	3.98	1988	1990
<i>70</i>	31	19034	31	-63.5	-50.1	-74.9			12	075	11.8	12.1	166.29	4.37	1988	1990
<i>60</i>	29	19967	29	-59.6	-46.1	-67.1			10	084	10.5	10.7	163.18	3.50	1988	1984
<i>50</i>	24	21108	24	-54.9	-45.3	-63.5			8	081	12.1	12.4	179.68	3.68	1987	1990
<i>40</i>	22	22541	22	-50.9	-36.9	-60.5			6	078	14.1	14.3	203.98	3.97	1987	1990
<i>30</i>	13	24411	13	-47.9	-37.5	-56.7			3	087	18.6	18.6			1987	1988
<i>25</i>	7	25500	7	-47.3	-41.3	-52.5			2	093	19.7	20.0			1988	1990
<i>20</i>	5	27030	5	-45.1	-39.1	-48.7									1988	1984
<i>15</i>	3	28934	3	-44.3	-43.7	-44.9									1988	1990
<i>10</i>	1	31767	1	-41.9	-41.9	-41.9									1984	1984
<i>7</i>	1	34200	1	-38.7	-38.7	-38.7									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

162 531 540

34 102 1671 -72.8

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

OCTOBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	219	953	219	19.7	31.6	14.8	219	13.9	219	338	0.5	2.3	1.12	0.79	1990	1986
<i>1000</i>	192	101							1	271	5.0	5.0	11.07			
<i>950</i>	191	529	162	19.9	28.8	15.2	161	12.5	156	008	0.4	2.2	15.96	0.79	1988	1985
<i>900</i>	192	1011	189	22.6	34.0	14.8	183	7.8	188	006	1.7	5.3	10.93	1.94	1987	1985
<i>850</i>	192	1506	192	19.7	30.0	11.4	179	4.0	188	360	2.9	5.6	10.16	2.17	1987	1984
<i>800</i>	192	2023	192	15.9	26.0	8.2	177	1.5	188	353	3.2	5.6	12.55	2.13	1987	1983
<i>750</i>	192	2564	191	11.8	22.0	2.0	164	-1.2	188	353	3.3	6.1	13.97	2.01	1987	1990
<i>700</i>	192	3140	191	8.3	17.8	-0.9	140	-4.5	187	343	3.0	6.1	15.75	1.68	1987	1990
<i>650</i>	189	3745	185	5.6	16.0	-4.7	98	-6.9	181	331	2.7	5.7	19.73	1.66	1987	1983
<i>600</i>	185	4399	184	3.0	14.6	-6.3	62	-10.1	171	313	3.2	6.3	19.29	1.47	1987	1989
<i>550</i>	183	5113	181	-0.1	11.0	-10.1	35	-11.0	169	297	4.5	7.0	21.86	1.26	1987	1989
<i>500</i>	180	5855	179	-4.2	5.0	-14.1	29	-16.3	164	290	5.7	7.9	23.56	1.21	1987	1989
<i>450</i>	176	6683	175	-9.2	-0.3	-18.9	20	-19.5	161	285	7.5	9.8	27.48	1.16	1989	1989
<i>400</i>	174	7581	174	-14.7	-6.3	-24.9	17	-23.9	158	278	9.1	11.1	31.15	1.30	1989	1988
<i>350</i>	168	8571	167	-21.2	-12.5	-31.3	12	-31.0	148	274	11.2	13.2	38.01	1.40	1988	1988
<i>300</i>	158	9702	158	-28.6	-18.9	-37.3	6	-37.4	135	264	12.8	14.7	43.93	1.54	1988	1988
<i>250</i>	140	10985	138	-36.0	-28.3	-46.9	4	-49.6	105	259	14.0	16.3	54.97	2.02	1988	1986
<i>200</i>	117	12485	114	-49.4	-39.3	-58.1			80	249	15.2	17.5	69.72	2.21	1990	1983
<i>175</i>	93	13348	93	-56.0	-48.1	-66.9			58	248	14.2	16.9	72.65	2.40	1986	1983
<i>150</i>	71	14332	71	-62.9	-56.3	-70.9			38	248	13.4	15.7	64.91	1.94	1987	1985
<i>125</i>	48	15446	48	-69.1	-62.7	-77.1			17	246	9.1	11.9	121.65	2.99	1987	1988
<i>100</i>	42	16762	42	-70.9	-62.3	-78.1			11	223	3.4	6.4	118.10	2.86	1987	1988
<i>80</i>	33	18109	33	-65.6	-52.1	-75.9			4	059	3.8	4.5	115.77	3.04	1987	1988
<i>70</i>	31	18958	31	-61.2	-48.7	-69.7			3	076	7.2	7.3	132.79	2.20	1987	1988
<i>60</i>	26	19896	26	-57.2	-45.7	-66.1			2	087	9.9	10.0	147.08	2.80	1987	1986
<i>50</i>	23	21079	23	-53.3	-41.1	-62.5			1	069	15.0	15.0	170.12	3.13	1987	1987
<i>40</i>	14	22567	14	-49.3	-40.5	-57.1									1988	1987
<i>30</i>	5	24447	5	-48.1	-42.1	-51.7									1988	1987
<i>25</i>	2	25510	2	-48.9	-47.3	-50.5									1988	1987
<i>20</i>	2	27000	2	-46.8	-44.7	-48.9									1988	1987
<i>15</i>																
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N P ALT

183 558 499

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

34 114 1604 -71.5

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

NOVEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	240	956	240	15.7	22.8	9.2	240	8.2	240	058	1.1	1.7	1.73	0.67	1986	1988
1000	216	142							5	076	2.5	2.6	15.04			
950	216	561	213	16.4	22.8	9.8	213	7.2	213	069	1.5	2.2	17.03	0.85	1988	1988
900	216	1040	216	19.4	30.0	10.0	213	2.0	214	066	3.1	4.9	12.25	1.96	1990	1983
850	216	1528	215	16.3	25.6	7.0	207	-0.8	215	020	2.0	4.3	10.64	1.75	1990	1984
800	216	2040	215	12.9	20.0	5.0	180	-3.3	215	337	2.2	4.7	10.11	1.74	1987	1983
750	216	2580	215	10.0	18.0	1.6	147	-6.1	215	328	2.8	5.5	7.57	1.97	1990	1984
700	216	3148	215	7.3	17.4	-2.1	98	-8.6	214	314	3.6	5.9	11.10	1.78	1990	1984
650	215	3755	212	4.7	13.8	-5.7	49	-10.1	212	302	4.6	6.9	13.89	1.75	1990	1984
600	214	4404	213	1.5	12.2	-8.1	36	-11.6	211	292	5.9	8.1	16.21	1.65	1990	1984
550	211	5113	210	-2.4	7.2	-10.9	25	-15.3	206	289	7.9	9.9	15.82	1.79	1990	1984
500	207	5851	207	-7.0	1.6	-15.9	25	-19.8	204	284	10.6	12.4	23.75	1.81	1989	1983
450	199	6670	198	-12.1	-2.7	-19.7	18	-23.2	192	281	13.2	15.0	28.86	1.61	1990	1984
400	195	7559	193	-17.7	-7.7	-24.3	15	-27.9	186	276	16.5	18.3	31.51	1.65	1990	1983
350	191	8543	190	-24.3	-13.9	-33.9	8	-33.7	177	273	19.9	21.9	39.00	1.43	1990	1984
300	185	9654	185	-31.8	-22.3	-40.1	5	-40.1	163	267	23.5	25.5	44.68	1.20	1990	1986
250	164	10919	164	-40.6	-31.7	-52.1	2	-46.7	127	263	26.0	28.0	46.25	1.36	1989	1986
200	121	12408	121	-50.4	-41.5	-62.1			75	258	27.7	29.4	47.60	2.06	1988	1986
175	93	13277	93	-55.5	-48.1	-65.7			49	258	26.2	27.6	57.59	2.28	1988	1983
150	64	14267	64	-60.2	-50.9	-66.9			31	258	21.0	22.1	62.25	2.22	1988	1987
125	43	15390	43	-65.1	-55.1	-72.1			16	252	16.4	16.8	69.18	3.35	1989	1986
100	32	16749	32	-68.8	-60.9	-78.9			12	279	8.9	12.5	70.72	2.44	1988	1988
80	23	18093	23	-68.4	-58.3	-77.5			7	277	3.3	5.5	106.94	2.59	1989	1988
70	21	18901	21	-65.3	-53.1	-76.1			6	325	5.5	7.8	117.01	4.15	1987	1988
60	19	19853	19	-60.4	-46.1	-72.3			4	010	3.8	6.5			1987	1988
50	16	20992	16	-55.6	-47.5	-67.5			2	039	5.3	7.5			1987	1988
40	15	22419	14	-50.7	-41.3	-59.3			2	330	0.6	2.5			1987	1988
30	9	24226	9	-49.5	-44.7	-56.7									1988	1988
25	7	25406	7	-47.1	-40.5	-54.3									1988	1986
20	5	26866	5	-46.2	-42.1	-51.5									1989	1988
15	4	28781	4	-43.5	-40.7	-47.9									1989	1988
10	1	31633	1	-42.5	-42.5	-42.5									1989	1989
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

209 585 462

20 103 1659 -69.1

NORMALS OF RADIOSONDE DATA

42667 BHOPAL

DECEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	ODD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	246	957	246	13.1	20.6	8.0	246	7.0	246	075	1.3	2.1	0.71	0.69	1987	1983
<i>1000</i>	193	153							2	225	1.5	1.5	7.48			
<i>950</i>	192	566	191	13.8	20.6	8.2	190	6.2	189	080	1.6	2.7	18.38	0.79	1987	1988
<i>900</i>	192	1043	191	16.6	27.4	7.6	184	2.3	189	095	1.7	4.8	7.00	1.01	1990	1986
<i>850</i>	192	1529	192	14.3	23.2	7.2	164	-0.2	189	276	1.4	4.9	5.62	1.01	1990	1986
<i>800</i>	192	2038	192	11.9	20.6	4.4	134	-2.9	189	275	3.0	5.5	5.50	1.35	1990	1983
<i>750</i>	192	2575	192	9.5	20.0	2.4	106	-6.0	189	279	4.0	6.6	9.67	1.55	1990	1986
<i>700</i>	192	3144	192	6.7	15.4	-2.3	82	-9.5	189	277	5.8	8.0	7.65	1.79	1987	1983
<i>650</i>	192	3744	192	3.8	14.0	-4.1	62	-13.1	188	275	7.5	9.5	12.90	1.71	1990	1986
<i>600</i>	191	4396	191	0.2	9.6	-7.5	51	-15.3	187	276	9.7	11.7	14.38	1.42	1990	1986
<i>550</i>	189	5097	189	-4.0	4.0	-12.1	36	-18.1	181	276	12.5	14.3	18.45	1.30	1987	1986
<i>500</i>	188	5834	187	-8.6	0.0	-16.9	31	-20.4	180	273	15.2	16.9	20.90	1.23	1987	1984
<i>450</i>	181	6640	180	-13.9	-4.7	-21.9	19	-23.1	169	272	18.2	19.9	22.31	1.29	1987	1984
<i>400</i>	173	7525	173	-20.1	-12.1	-29.1	17	-30.4	155	272	21.4	23.2	28.26	1.05	1987	1984
<i>350</i>	163	8503	163	-26.7	-19.1	-36.5	10	-35.1	138	258	25.2	27.4	32.66	0.99	1987	1990
<i>300</i>	146	9506	146	-34.2	-23.3	-44.9	5	-42.3	110	257	27.9	30.3	35.04	1.14	1987	1990
<i>250</i>	124	10860	124	-43.1	-31.9	-52.9	1	-44.3	81	254	29.3	32.3	36.43	1.53	1987	1988
<i>200</i>	92	12355	92	-53.2	-44.7	-62.7	1	-55.5	48	257	34.8	37.6	42.09	1.61	1986	1985
<i>175</i>	72	13210	72	-57.9	-50.1	-66.1			34	255	32.1	34.1	47.70	3.12	1986	1983
<i>150</i>	53	14188	53	-62.4	-54.3	-71.5			25	255	36.3	38.1	45.21	2.66	1988	1990
<i>125</i>	31	15303	31	-67.7	-59.7	-74.9			13	252	23.4	24.7	61.20	4.00	1986	1988
<i>100</i>	20	16657	20	-71.3	-61.1	-79.3			6	256	16.1	18.8			1987	1988
<i>80</i>	11	17981	11	-71.6	-66.1	-77.7			4	274	17.2	19.0			1983	1988
<i>70</i>	9	18795	9	-69.2	-62.7	-75.9			3	269	18.9	19.0			1983	1988
<i>60</i>	8	19722	8	-64.9	-59.3	-72.3			1	183	1.0	1.0			1983	1990
<i>50</i>	8	20847	8	-59.4	-52.9	-71.7			1	136	2.0	2.0			1988	1990
<i>40</i>	6	22255	6	-56.0	-48.9	-68.5			1	176	1.0	1.0			1988	1990
<i>30</i>	3	23980	3	-50.3	-45.1	-53.5			1	236	1.0	1.0			1983	1988
<i>25</i>	2	25308	2	-46.1	-42.5	-49.7			1	171	3.0	3.0			1983	1990
<i>20</i>	2	26789	2	-44.4	-39.7	-49.1			1	089	10.0	10.0			1983	1990
<i>15</i>	2	28712	2	-41.4	-37.1	-45.7									1983	1990
<i>10</i>																
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
189	601	438	1	125	1550	-65.7		14	103	1649	-72.0

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AURANGABAD)

JANUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	341	948	341	14.4	20.8	7.8	341	7.8	341	083	0.2	0.9	0.90	0.90	1987	1984
1000	317	136											7.10			
950	316	547	28	15.1	20.6	10.6	28	9.7	27	116	2.1	2.7	13.92	2.04	1987	1987
900	317	1028	317	18.2	27.0	9.8	310	5.8	298	119	2.1	5.6	8.53	0.99	1990	1986
850	317	1514	317	15.9	26.0	7.6	304	3.7	298	180	2.5	6.0	8.80	1.25	1989	1981
800	317	2025	317	12.6	23.2	4.6	282	1.2	297	210	3.8	6.4	9.39	1.31	1989	1981
750	317	2556	317	9.5	23.2	2.8	230	-2.8	297	234	4.9	8.1	13.76	1.69	1989	1981
700	317	3130	317	6.8	19.8	-1.1	155	-8.2	296	256	6.5	10.2	13.91	1.76	1989	1981
650	315	3730	315	4.2	17.2	-4.9	81	-13.9	294	269	9.5	12.2	20.10	1.71	1989	1980
600	313	4382	313	1.0	12.8	-7.9	48	-17.4	290	268	12.5	14.8	19.70	1.62	1989	1981
550	311	5093	311	-2.8	8.0	-11.1	40	-20.7	287	266	15.5	17.9	23.08	1.65	1989	1982
500	308	5826	308	-7.3	3.0	-16.5	23	-24.0	284	265	18.7	21.2	27.29	1.82	1989	1982
450	305	6642	305	-12.3	-1.5	-21.1	24	-26.6	273	264	22.5	25.0	36.97	1.91	1989	1990
400	301	7531	301	-17.9	-7.1	-28.1	16	-31.2	267	263	26.3	28.8	38.07	2.08	1989	1990
350	296	8522	296	-24.1	-13.7	-35.9	9	-37.8	255	262	31.8	34.8	40.49	1.92	1990	1982
300	286	9630	286	-31.3	-21.9	-41.9	5	-45.2	229	259	35.7	38.9	50.40	1.90	1987	1981
250	269	10899	269	-40.4	-30.5	-51.5			182	254	36.1	39.2	57.80	1.81	1987	1981
200	247	12383	247	-51.9	-41.9	-63.5			150	248	36.5	39.6	72.43	1.87	1985	1982
175	219	13237	219	-58.3	-47.7	-71.1			115	247	36.0	38.6	78.89	1.89	1990	1984
150	187	14197	186	-64.3	-50.1	-73.5			87	247	35.7	38.0	87.54	2.21	1981	1982
125	132	15287	132	-70.4	-59.9	-80.9			48	244	30.6	33.8	101.50	2.27	1990	1982
100	110	16594	110	-74.7	-65.7	-83.5			35	246	19.8	26.6	117.48	2.26	1990	1981
80	95	17888	95	-73.9	-60.5	-89.1			17	249	14.2	24.9	148.88	3.31	1986	1988
70	84	18686	84	-70.1	-49.9	-84.9			13	262	7.8	27.7	152.61	4.43	1986	1988
60	74	19615	74	-64.5	-45.5	-81.5			12	018	10.7	26.3	160.24	4.68	1986	1988
50	70	20742	70	-58.5	-40.5	-72.1			8	057	13.7	25.9	172.94	5.05	1986	1980
40	62	22164	62	-53.9	-38.5	-68.9			2	230	12.1	20.0	230.98	5.39	1986	1984
30	47	24068	46	-47.9	-35.5	-63.5			1	195	20.0	20.0	306.62	7.41	1986	1980
25	37	25232	37	-46.2	-35.7	-63.9							340.46	7.75	1989	1980
20	21	26613	21	-45.1	-36.7	-52.1							189.43	1.88	1984	1983
15	11	28632	11	-42.9	-36.9	-45.3									1988	1983
10	6	31355	6	-39.4	-35.5	-44.5									1988	1984
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
313	588	455	13	138	1477	-68.7	102	100	1672	-75.5

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

FEBRUARY 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	310	947	310	16.4	24.4	7.4	310	5.5	310	350	0.5	1.5	1.13	0.99	1980	1989
1000	290	122											8.72			
950	290	540	12	15.1	18.2	8	11	3.5	13	108	1.8	2.4	6.88		1990	1989
900	290	1018	290	19.7	27.4	13.4	278	2.4	284	27	1.3	6.1	8.6	1.07	1990	1983
850	290	1507	290	17.3	25.2	9.8	269	0.6	284	227	1.6	6.3	9.39	1.01	1990	1989
800	290	2021	290	14	23	6.8	261	-1.4	284	228	4.6	7.3	8.82	0.96	1990	1989
750	290	2551	290	10.3	20.6	4	239	-3.9	283	232	6.4	8.8	12.38	1.15	1990	1987
700	290	3130	290	6.7	16.2	0	187	-6.3	283	249	7.4	10.3	10.23	1.59	1990	1990
650	290	3724	290	3.5	13.8	-4.7	133	-10.1	282	264	9.9	12.5	16.79	1.79	1990	1987
600	290	4378	290	0.3	8.6	-7.9	92	-14.2	280	269	13.1	15.3	14.61	1.81	1985	1987
550	287	5085	287	-3.5	4.8	-11.5	66	-19.4	277	268	16.4	18.4	21.85	1.67	1985	1982
500	286	5819	285	-7.9	-0.1	-18.5	47	-22.2	276	266	19.5	21.5	20.43	1.58	1985	1982
450	278	6634	278	-12.7	-4.3	-20.1	39	-25.8	263	265	23.3	25.7	32.57	1.64	1985	1981
400	271	7522	271	-18.2	-8.3	-34.7	31	-30.6	252	265	28.7	31.5	31.04	1.94	1990	1990
350	267	8511	267	-24.3	-14.3	-35.5	16	-36.5	240	263	33.1	36.1	36.3	2.08	1990	1981
300	261	9618	261	-31.3	-21.9	-41.7	8	-40.9	216	262	37.2	41.1	48.48	2.25	1990	1981
250	254	10885	254	-40.3	-29.1	-52.3	2	-47.7	188	260	39.9	43.9	57.79	2.23	1986	1982
200	228	12368	228	-51.1	-39.7	-64.9			136	258	40.4	45.7	69.82	2.29	1986	1980
175	207	13223	207	-57	-45.1	-67.1			90	256	42.2	46.9	76.92	2.15	1988	1980
150	194	14180	194	-63	-51.9	-73.1			68	256	38.7	43.3	81.87	2.3	1986	1980
125	156	15290	156	-69	-61.3	-78.5			41	259	35.3	39	85.92	2.31	1986	1981
100	132	16627	132	-73.4	-61.9	-83.9			29	254	30.9	34.6	101.6	2.78	1986	1980
80	117	17938	117	-73.9	-59.3	-86.1			13	252	19.8	26.7	111.4	2.97	1988	1990
70	104	18731	104	-71	-52.3	-81.7			11	262	18.6	22.8	122.58	3.08	1988	1984
60	94	19652	94	-65.8	-49.9	-76.3			7	259	15.4	24.6	126.54	3.45	1986	1987
50	82	20789	81	-59.8	-45.9	-71.1			4	223	13.1	21	135.53	3.25	1990	1985
40	66	22211	66	-54.9	-42.5	-67.5			2	259	1.7	34.5	150.35	3.53	1988	1984
30	55	24084	55	-49.6	-34.9	-66.5			1	108	28	28	199.63	4.55	1988	1987
25	43	25259	43	-47.8	-34.3	-69.1			1	88	30	30	209.6	4.37	1990	1987
20	34	26774	34	-45.1	-32.7	-72.5			1	121	20	20	183.06	4.55	1983	1987
15	22	28660	22	-43.2	-33.9	-71.1							278.8	9.83	1990	1987
10	8	31324	8	-44.1	-32.5	-68.5									1988	1987
7	2	33570	2	-41.6	-39.7	-43.5									1988	1985

FREEZING LEVEL		
N	P	ALT
290	599	441

1ST TROPOPAUSE			
N	P	ALT	T
11	152	1474	-66.7

2ND TROPOPAUSE			
N	P	ALT	T
119	98	1681	-74.4

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

MARCH 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	337	946	337	20.7	28.6	13	337	7	337	314	1.3	2.2	0.6	1.01	1984	1980
1000	282	105											6.8			
950	282	525											8.3			
900	282	1013	282	22.6	29.8	10.8	268	1.7	270	346	3.4	7	4.43	1.91	1985	1990
850	282	1507	282	20.1	27.2	13.2	260	-0.5	271	318	2.6	7.6	4.48	1.82	1985	1980
800	282	2025	282	16.6	24	9.2	253	-1.6	269	250	3.4	7.7	6.08	1.62	1986	1987
750	282	2552	282	12.5	20.4	5.2	248	-2.7	269	232	5.2	8.2	9.26	1.44	1986	1987
700	282	3142	282	8.1	16.8	0.6	234	-4.5	270	231	6.9	9.5	11.11	1.39	1985	1986
650	281	3733	281	4	11.2	-4.5	204	-7.9	269	241	8.2	10.8	17.77	1.52	1985	1986
600	280	4393	280	0.4	7.8	-7.7	152	-12.6	267	259	10	12.6	16.09	1.75	1990	1984
550	279	5096	279	-3.2	6.6	-11.1	93	-17.8	266	268	12.2	14.5	26.4	1.91	1986	1986
500	279	5834	278	-7.5	3	-15.3	66	-23.1	266	267	15.4	17.6	24.03	2.21	1990	1982
450	277	6651	277	-12.4	-1.5	-24.5	45	-27.1	260	268	18.7	21.1	40.38	2.72	1990	1982
400	275	7539	275	-18.1	-4.3	-27.3	36	-31.3	256	268	24	26.7	41.55	2.8	1990	1982
350	269	8529	269	-24.1	-13.1	-36.1	27	-36.7	243	267	29	32.5	48.22	2.86	1990	1982
300	256	9636	256	-30.8	-19.7	-41.5	13	-43.1	223	264	33.6	37.7	62.66	2.48	1990	1984
250	243	10906	243	-39.6	-28.7	-49.3			191	262	37.4	42.3	73.29	2.09	1988	1988
200	231	12400	231	-49.4	-36.5	-59.5			163	259	39.1	44.1	86.77	1.84	1988	1981
175	211	13264	211	-55.2	-44.3	-67.3			122	259	36.2	40.7	93.72	1.99	1987	1987
150	193	14234	193	-61.1	-46.7	-71.5			102	259	32.3	37.7	101.04	2.5	1987	1980
125	163	15343	163	-66.8	-54.1	-77.1			64	255	27.9	33.9	106.75	2.98	1990	1980
100	140	16679	140	-71.7	-61.7	-82.5			47	257	21.1	26.8	123.59	2.68	1990	1983
80	119	17990	119	-72.2	-59.1	-83.5			21	273	4.6	15.8	134.46	2.52	1986	1988
70	107	18796	107	-69.7	-51.9	-83.5			18	304	2.6	13.5	146.4	2.46	1986	1988
60	98	19721	98	-64.9	-47.7	-75.9			15	319	4.4	15.7	152.99	2.77	1986	1988
50	92	20855	92	-58.3	-41.7	-71.5			13	51	6	16.1	165.24	3.22	1986	1984
40	77	22280	77	-53.1	-39.1	-67.7			9	228	3.2	12.7	178.37	2.62	1983	1984
30	65	24151	65	-47.6	-33.9	-60.7			5	130	4.3	15.2	184.8	2.84	1983	1984
25	52	25352	52	-45.4	-35.1	-56.5			1	70	14	14	219.41	2.69	1986	1984
20	39	26846	39	-43	-34.7	-58.1			1	82	14	14	278.68	3.31	1986	1989
15	21	28831	21	-41.5	-33.1	-52.9			1	41	12	12	266.29	3.81	1986	1989
10	12	31505	12	-38.7	-32.7	-42.7									1985	1983
7	1	33567	1	-40.5	-40.5	-40.5									1984	1984

FREEZING LEVEL		
N	P	ALT
280	593	449

1ST TROPOPAUSE			
N	P	ALT	T
18	140	1469	-63.9

2ND TROPOPAUSE			
N	P	ALT	T
127	96	1697	-73

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

43014

APRIL 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	327	944	327	24.4	30.8	13.4	327	9	326	300	2.1	2.8	0.6	1.06	1986	1986
1000	271	80											8.95			
950	271	506											15.31			
900	271	999	271	25.5	33.2	17.4	261	2.3	254	330	5.8	8.2	7.95	0.86	1989	1982
850	271	1498	271	23.4	30.8	15.8	255	-0.9	254	328	4.9	8	8.59	0.82	1990	1982
800	271	2022	271	20	27.2	12	256	-2.7	253	299	2.8	7	8.55	1.02	1989	1982
750	270	2555	270	15.7	24.8	5.2	252	-3.8	252	240	2.8	7.4	14.26	1.08	1990	1984
700	270	3152	270	11	22	3.4	245	-4.7	250	217	3.4	7.6	11.07	1.27	1990	1984
650	265	3746	265	6	19.2	-1.1	228	-6.8	244	220	4.2	8.6	19.39	1.35	1990	1982
600	263	4414	263	1.6	16	-5.5	188	-9.1	243	246	4.9	9	16.34	1.72	1990	1987
550	260	5121	260	-2.3	10.6	-10.1	138	-14.4	239	271	7.1	9.9	22.95	1.69	1990	1982
500	257	5861	257	-6.3	4.8	-13.3	90	-20.9	236	279	9.2	11.9	23.27	1.71	1990	1984
450	255	6682	255	-11	-0.1	-17.3	56	-25.9	234	277	11.9	14.6	33.03	1.8	1990	1984
400	249	7574	249	-16.6	-6.5	-23.1	39	-30.5	226	271	15.1	18.1	31.7	1.8	1990	1982
350	244	8570	244	-23.1	-13.5	-32.1	21	-34.6	217	266	18.4	21.9	35.47	1.71	1990	1981
300	236	9679	236	-30.4	-21.3	-39.7	11	-41.2	208	261	21.8	26.6	44.32	1.91	1990	1980
250	226	10955	226	-39	-27.1	-50.7	1	-46.5	193	259	25.9	30.6	51.6	2.58	1990	1990
200	211	12451	211	-49.2	-38.1	-65.1			168	252	27.4	31.9	65.98	2.67	1988	1990
175	193	13319	193	-54.8	-40.1	-72.1			138	252	25.8	29	75.3	2.57	1988	1990
150	179	14293	179	-60.3	-45.9	-71.7			124	251	24.7	27.2	89.03	2.69	1988	1982
125	158	15415	158	-66	-49.7	-76.3			97	256	18.1	22.4	99.14	2.5	1990	1981
100	138	16748	138	-71.3	-58.1	-83.1			73	258	11.1	16.6	131.28	2.89	1990	1982
80	116	18067	116	-72.2	-59.3	-83.9			42	248	7.3	15.2	152.06	3.3	1990	1982
70	113	18873	113	-69.1	-52.1	-79.3			38	286	3	13.4	163.69	3.88	1990	1987
60	100	19799	100	-64.1	-43.3	-77.1			21	194	1.7	13.4	171.7	4.18	1986	1987
50	95	20948	95	-57.3	-38.5	-72.3			19	254	7.2	13.9	185.29	4.46	1986	1980
40	81	22381	81	-51.5	-38.9	-69.9			9	65	3.3	11.4	247.81	4.84	1986	1980
30	69	24267	69	-45.9	-32.5	-64.9			7	92	11.9	14.7	289.53	5.36	1986	1980
25	59	25447	59	-44	-33.3	-54.3			3	55	6.9	9.7	268.41	3.24	1985	1987
20	48	26930	48	-42	-34.9	-51.1			2	147	17.2	20	273.23	2.6	1982	1982
15	36	28894	36	-38.9	-33.1	-47.7			2	91	13.6	14	313.9	2.13	1984	1982
10	16	31591	16	-36.8	-30.1	-42.3									1984	1982
7	2	33765	2	-38	-37.5	-38.5									1984	1984

FREEZING LEVEL

N	P	ALT
259	579	472

1ST TROPOPAUSE

N	P	ALT	T
12	130	1527	-65.5

2ND TROPOPAUSE

N	P	ALT	T
120	94	1722	-73.3

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

MAY 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	339	941	339	25.5	32.6	20	339	15.1	339	288	3.7	4.2	1.24	0.73	1988	1987
1000	277	60											13.78			
950	277	492											11.64			
900	277	982	277	25.7	34.4	18.2	270	9.9	240	312	8.3	9.9	12.17	0.89	1988	1985
850	277	1482	277	24.4	32.8	10.2	265	4.8	240	322	7.7	9.5	11.82	1.14	1989	1988
800	276	2010	276	21.4	30.4	15	256	2	239	317	4	7.1	10.03	1.55	1989	1981
750	276	2549	276	17.3	29	9	260	0.4	238	287	1.5	6.1	14.65	1.78	1989	1981
700	276	3145	276	12.7	24.6	4.4	253	-1.6	239	213	1.5	6.4	8.31	1.87	1989	1987
650	272	3743	272	7.8	18.2	-2.9	237	-3.7	233	204	1.4	6.6	16.25	1.92	1989	1980
600	269	4414	269	3.3	12	-4.9	209	-7.2	228	266	1	6.5	14.36	1.89	1988	1990
550	268	5125	268	-0.4	10	-8.5	147	-12.1	222	317	2.9	7.5	24.91	1.86	1988	1981
500	264	5870	264	-4.4	5.2	-12.1	93	-17.5	219	319	4.6	9.2	22.3	2.1	1988	1981
450	257	6700	257	-8.8	0.8	-20.1	63	-21.5	210	312	5.6	11	31.78	2.28	1986	1980
400	255	7600	255	-14.1	-4.5	-22.5	41	-25.5	207	300	6.7	12.8	34.43	2.45	1988	1980
350	248	8606	248	-20.4	-9.9	-29.1	25	-31.7	198	288	8.3	14.2	43.41	2.71	1988	1980
300	244	9730	244	-27.5	-16.1	-36.9	15	-37.2	194	272	9.7	14.9	56.37	2.73	1988	1980
250	231	11019	231	-36.4	-24.5	-47.1	7	-42.3	178	254	10.7	16.3	68.11	2.81	1986	1981
200	212	12525	212	-47.4	-36.3	-58.5			157	237	12.2	17	88.28	2.6	1988	1981
175	182	13397	182	-53.8	-42.5	-66.1			128	230	11.4	16.6	91.29	2.43	1988	1980
150	160	14375	160	-60.5	-48.1	-70.9			108	227	9.2	15.6	104.73	2.29	1988	1989
125	131	15496	131	-67.3	-53.5	-79.5			76	203	5.7	15.1	103.02	2.54	1988	1989
100	111	16817	111	-72.1	-58.1	-85.9			63	135	3.9	13.4	123.13	2.42	1989	1980
80	90	18137	90	-71.3	-57.7	-83.3			39	97	6.8	12.5	152.5	3.9	1989	1982
70	83	18953	83	-67.5	-53.3	-81.9			33	71	6.2	10.7	155.01	3.77	1984	1982
60	76	19885	76	-62	-45.3	-73.1			26	79	11.5	13	198.73	3.99	1986	1980
50	64	21044	64	-55.1	-39.9	-70.5			18	83	11.8	14.3	181.83	3.48	1989	1980
40	55	22494	55	-50	-35.3	-72.1			9	76	14	14.4	211.74	4.23	1989	1980
30	39	24414	39	-44.8	-35.7	-56.1			6	89	17.5	18	240.72	3.45	1990	1980
25	34	25609	34	-42	-32.9	-53.1			4	78	15.2	15.8	256.95	4.36	1986	1980
20	24	27067	24	-40.8	-34.5	-64.3			3	92	19.8	20.3	337.18	5.46	1988	1980
15	8	28871	8	-38.2	-34.5	-41.3			1	81	11	11			1985	1985
10	4	31578	4	-35.2	-33.3	-37.5			1	69	8	8			1984	1984
7	2	34059	2	-35.7	-34.5	-36.9									1985	1984

FREEZING LEVEL		
N	P	ALT
269	557	503

1ST TROPOPAUSE			
N	P	ALT	T
4	134	1512	-67.3

2ND TROPOPAUSE			
N	P	ALT	T
100	99	1696	-73.9

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

JUNE 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	351	939	351	23.9	32	20.4	351	20.4	350	272	4.1	4.5	0.71	0.55	1979	1985
1000	271	40											6.7			
950	271	468											14.28			
900	271	958	271	22.6	29.8	18.4	271	17.8	224	279	8.8	10	6.15	0.66	1979	1988
850	271	1453	271	21.1	30	15	271	14.2	224	284	8.5	10.5	6.06	1	1990	1988
800	271	1975	271	19.1	29.2	10.4	270	10.7	222	285	5.5	8.4	6.6	1.11	1990	1989
750	271	2518	271	16	26.2	10.8	267	7.5	222	284	2.9	7	10.05	1.05	1990	1982
700	271	3107	271	12.4	20.8	6	263	4.3	222	295	1.5	6.8	9.24	1.05	1990	1980
650	266	3717	266	8.6	17.2	3.2	254	1.2	210	318	0.6	6.5	16.63	1.15	1989	1980
600	266	4379	266	4.7	13.2	-0.9	247	-2.2	208	2	0.6	6	14.61	1.44	1983	1982
550	263	5107	263	1	9.8	-5.7	232	-6.2	200	291	0.6	6	21.84	1.72	1986	1982
500	259	5844	259	-2.5	7	-10.3	209	-10.1	195	332	1	5.9	21.53	1.81	1986	1979
450	254	6688	254	-6.3	0.4	-15.7	185	-14.8	187	17	1.6	6	32.14	1.79	1983	1979
400	250	7588	250	-11.1	-3.3	-17.1	161	-19.7	183	39	2	6.6	30.62	1.72	1990	1981
350	244	8605	244	-17.1	-8.5	-24.1	141	-25.8	172	58	3.3	7.1	35.9	1.91	1990	1981
300	239	9743	239	-24.4	-15.1	-33.1	115	-32.7	170	73	4.6	8.5	45.3	2.01	1990	1981
250	230	11048	229	-33.8	-25.3	-43.9	71	-41.6	155	85	6.4	10.1	56.24	2.24	1990	1981
200	210	12569	210	-45.8	-36.3	-56.5	2	-48.1	140	86	10.1	13.7	69.7	2.53	1988	1981
175	194	13441	194	-53.1	-43.9	-64.5			128	86	13.1	16.2	74.53	2.63	1985	1981
150	180	14415	180	-60.8	-50.7	-73.1			113	89	16.9	19.7	84.67	2.82	1988	1981
125	149	15522	149	-68.5	-57.7	-80.1			95	84	20.9	23.4	97.69	2.8	1984	1981
100	128	16829	128	-73.6	-60.1	-84.1			80	84	23.7	25.2	122.66	2.55	1981	1980
80	104	18126	104	-72.4	-54.5	-86.7			57	77	21	22	166.06	4.02	1990	1982
70	88	18938	88	-67.8	-52.9	-77.7			46	76	20.8	21.8	184.44	4.39	1986	1984
60	77	19887	77	-61.6	-47.3	-74.5			33	74	19.4	20.4	189.16	4.56	1986	1984
50	71	21035	71	-55.5	-36.5	-68.7			26	75	20.2	21.2	216.34	4.93	1986	1980
40	55	22492	55	-49.8	-34.1	-60.7			9	83	24.6	25.3	234.3	3.89	1986	1984
30	44	24375	44	-45.4	-34.5	-58.7			6	84	25.3	26	175.46	3.15	1985	1984
25	35	25584	35	-42.9	-35.9	-57.3			5	82	31.1	31.8	207.1	3.13	1990	1984
20	29	27074	29	-40.9	-33.5	-55.1			2	78	36.9	38	260.7	3.24	1986	1984
15	19	28971	19	-39.8	-33.1	-52.5			1	83	39	39			1990	1984
10	8	31580	8	-39.4	-32.5	-48.3			1	92	37	37			1987	1984
7	4	33926	4	-38.4	-34.1	-42.1									1983	1983

FREEZING LEVEL		
N	P	ALT
262	534	532

1ST TROPOPAUSE			
N	P	ALT	T
7	124	1560	-68.1

2ND TROPOPAUSE			
N	P	ALT	T
112	100	1686	-74.6

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

JULY 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	361	939	361	22.6	28	20.4	361	20.7	360	266	4.2	4.5	0.87	0.48	1988	1986
1000	308	42											7.16			
950	308	466											12.84			
900	308	955	308	21	27.8	15.8	306	18.7	253	267	9.7	10.6	6.84	0.8	1989	1988
850	308	1448	308	18.9	27	12.8	306	16.1	254	267	11.6	12.9	6.34	0.99	1990	1988
800	308	1966	308	16.7	24.8	11	305	13.3	251	269	10.5	12.2	6.65	1.06	1990	1988
750	307	2513	307	14.4	25	8.2	304	9.6	250	268	8.6	10.6	8.23	1.15	1990	1988
700	306	3093	306	11.8	23	5	302	5.4	250	272	6.1	8.3	9.54	1.09	1990	1988
650	304	3705	304	8.6	20.4	2.2	301	1.4	226	276	4.3	7	13.5	1.28	1990	1988
600	302	4366	302	5.1	18	-1.1	296	-1.6	223	289	3.4	7	13.81	1.41	1990	1985
550	298	5096	297	1.3	12.4	-5.9	286	-5.1	209	304	2.5	6.6	14.8	1.29	1990	1985
500	296	5832	296	-2.3	7.8	-13.9	285	-9.6	205	327	1.7	6.3	19.75	1.44	1990	1980
450	291	6673	291	-6.4	2.2	-14.1	270	-13.8	181	17	1.5	6.3	27.03	1.43	1990	1988
400	286	7575	286	-11.4	-0.3	-19.1	251	-19	177	65	3.1	6.8	28.89	1.57	1990	1988
350	278	8593	278	-17.4	-7.7	-24.9	236	-26	164	80	5.8	8.5	28.16	1.76	1990	1988
300	269	9731	269	-24.8	-14.5	-31.7	206	-34	163	84	9.4	11	40.44	1.9	1990	1980
250	262	11036	262	-34.2	-23.9	-42.7	102	-42.5	155	83	14.5	15.9	50.31	1.99	1990	1985
200	242	12554	242	-46.6	-37.9	-56.5	3	-49.3	138	81	20.5	22.1	59.39	1.96	1989	1981
175	226	13426	226	-54	-43.1	-65.5			122	81	24.6	25.7	68.77	2.33	1989	1981
150	201	14399	201	-61.7	-48.9	-74.5			112	78	30.4	31.8	73.45	2.44	1989	1981
125	151	15508	151	-69.6	-54.3	-80.7			81	81	35.9	37.6	88.84	2.07	1989	1990
100	117	16814	117	-73.9	-65.3	-87.1			66	84	37.8	39.1	99.66	2.33	1981	1990
80	92	18110	92	-71.1	-58.3	-82.1			46	77	29.9	30.8	94.57	2.58	1981	1982
70	84	18922	84	-66.7	-54.5	-79.3			38	75	30.9	31.5	119.8	3.6	1981	1982
60	65	19871	65	-61.3	-49.5	-76.3			23	76	27.7	28.4	144.81	3.51	1990	1982
50	54	21020	54	-56.6	-41.9	-68.1			18	76	30.4	31.7	178.31	3.82	1990	1984
40	45	22480	45	-51.6	-38.1	-61.1			9	73	32.5	33	195.77	4.42	1990	1982
30	35	24378	35	-46.9	-32.7	-56.5			4	82	38.1	38.3	234.49	3.4	1987	1982
25	24	25515	24	-45.9	-33.1	-53.7			1	73	24	24	278.44	3.03	1982	1982
20	15	27011	15	-44.2	-37.3	-52.1									1983	1984
15	8	28942	8	-42	-38.9	-48.9									1982	1984
10	5	31737	5	-40.1	-35.5	-44.7									1983	1984
7	2	33840	2	-41.3	-40.9	-41.7									1984	1984

FREEZING LEVEL		
N	P	ALT
295	531	536

1ST TROPOPAUSE			
N	P	ALT	T
10	122	1571	-70.5

2ND TROPOPAUSE			
N	P	ALT	T
105	103	1669	-75.1

NORMALS OF RADIOSONDE DATA
AUGUST 1971-90

43014 CHIKALTHANA (AGD)

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	371	940	371	21.9	29.4	19.2	371	20.2	370	272	4.2	4.4	0.65	0.49	1979	1986
1000	295	49											6.45			
950	295	469											10.63			
900	295	960	295	20.3	26	14	294	18.3	239	274	10	10.9	6.42	0.63	1988	1986
850	295	1451	295	18.3	25.2	10	294	15.9	237	275	11.6	12.7	6.21	0.8	1989	1986
800	295	1969	295	16.2	26.2	7	293	13.2	234	274	10.3	11.9	6.85	0.95	1989	1986
750	295	2512	295	13.9	24	6.2	293	9.6	232	275	7.9	10	6.99	0.99	1989	1986
700	294	3092	294	11.3	21.2	3.8	291	5.4	232	282	6	8.7	9.04	0.95	1989	1986
650	294	3708	293	8.3	18	1	285	1.6	216	290	4.5	7.4	12.11	1.01	1989	1986
600	290	4364	289	5	14.4	-3.7	281	-2.1	211	303	3.3	6.7	11.42	0.9	1989	1987
550	287	5095	287	1.5	10.8	-5.3	272	-5.7	202	309	2.4	6.2	13.35	0.9	1989	1986
500	284	5832	284	-2.1	8.4	-9.1	255	-9.4	198	347	1.9	6.1	14.84	0.83	1989	1988
450	280	6675	280	-6.3	6	-13.7	243	-14.5	190	33	2	6.2	19.4	0.83	1980	1988
400	278	7574	277	-11.4	-2.7	-18.9	227	-19.7	186	60	3.3	7	18.87	1.13	1990	1988
350	275	8586	275	-17.6	-7.5	-24.5	215	-26.3	174	72	6.2	8.4	20.76	1.32	1990	1979
300	270	9726	270	-25.1	-14.7	-33.7	184	-33.9	167	79	8.8	10.3	26.63	1.5	1990	1986
250	262	11027	262	-34.6	-25.1	-44.9	90	-42.9	157	80	12.6	13.8	33.63	1.81	1980	1986
200	236	12546	236	-46.9	-37.5	-62.1	2	-50	131	82	19	20.2	46.26	2.34	1987	1986
175	218	13414	217	-54.3	-44.1	-71.5			114	80	22.3	23.4	56.14	2.5	1980	1986
150	184	14387	184	-62	-49.5	-77.1			102	76	26.5	27.9	62.14	2.8	1980	1989
125	146	15499	146	-69.9	-54.5	-85.5			82	80	30.2	31.9	81.1	3.03	1981	1989
100	109	16813	109	-74.2	-62.1	-89.5			63	79	30.1	31.1	100.34	3.41	1980	1989
80	80	18129	80	-69.9	-54.9	-84.1			40	73	27.9	28.9	124.65	3.82	1986	1979
70	74	18929	74	-65.9	-50.1	-79.1			36	73	27.4	28.2	135.17	3.87	1986	1979
60	63	19888	63	-60.9	-47.1	-70.1			28	76	24.3	24.8	168.96	3.38	1983	1979
50	56	21050	56	-56.7	-43.7	-65.9			22	75	26.8	27.3	188.52	3.99	1983	1979
40	47	22494	47	-51.8	-40.7	-61.5			14	79	25.8	26.4	209.01	2.83	1983	1983
30	34	24367	34	-47.5	-36.9	-55.7			7	80	29.1	29.6	159.2	1.84	1983	1983
25	31	25551	31	-45.7	-38.3	-51.5			3	80	31.9	32.7	170.57	1.87	1987	1986
20	29	27010	29	-43.1	-37.9	-48.9			2	67	38.4	38.5	140.18	2	1983	1986
15	18	28972	18	-40	-33.3	-46.1									1983	1984
10	11	31687	11	-37.9	-32.1	-42.9									1989	1984
7	5	34083	5	-38.3	-34.1	-42.1									1983	1984

FREEZING LEVEL		
N	P	ALT
284	529	537

1ST TROPOPAUSE			
N	P	ALT	T
3	118	1595	-72.4

2ND TROPOPAUSE			
N	P	ALT	T
103	104	1663	-75.1

NORMALS OF RADIOSONDE DATA
SEPTEMBER 1971-90

43014 CHIKALTHANA (AGD)

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	359	943	359	21.8	26	18.8	359	20	359	279	2.6	3	1.15	0.36	1989	1984
1000	312	76											10.79			
950	312	494											14.14			
900	312	986	312	21.4	29.2	16	311	17.8	284	305	5.1	7.4	10.08	0.82	1989	1984
850	312	1479	312	19.5	28.4	13.4	311	14.9	284	325	3.4	7	9.44	1	1989	1984
800	312	1997	312	16.8	26	11.4	311	11.4	283	340	1.9	6.2	8.52	1.2	1989	1984
750	312	2533	312	13.7	23.2	6.4	310	7.5	282	9	1.4	5.9	7.37	1.38	1989	1987
700	311	3119	311	10.6	20.4	3.4	304	3.7	282	17	1.5	5.6	7.65	1.67	1989	1989
650	308	3727	308	7.3	18.6	0.8	296	0	266	16	1.1	5.2	13.21	1.94	1989	1984
600	307	4386	307	4.2	15	-5.5	285	-3.8	258	23	0.9	5.3	10.93	1.94	1988	1987
550	303	5111	303	0.9	12	-8.1	260	-8	243	27	0.9	5.4	19.91	1.92	1989	1985
500	296	5849	295	-2.8	9	-12.5	235	-11.6	235	45	1.3	5.6	18.11	1.79	1989	1989
450	290	6685	290	-7.1	6	-14.1	219	-16.1	223	67	2.2	6	30.52	1.86	1989	1990
400	284	7588	284	-12.3	0	-19.5	199	-21.7	216	73	3.5	6.6	30.53	1.85	1989	1982
350	271	8596	271	-18.6	-6.9	-26.1	165	-27.9	198	79	4.4	7.2	34.92	2.05	1989	1982
300	266	9732	266	-25.9	-12.7	-35.1	122	-34.9	195	84	5.8	8.5	46.19	2.23	1987	1982
250	255	11027	255	-35.7	-23.7	-46.7	44	-43	177	93	7.9	10.3	58.45	2.47	1983	1982
200	240	12536	240	-48.3	-39.1	-59.7			167	98	10.9	13.2	72.28	2.55	1989	1982
175	216	13400	216	-55.5	-46.3	-67.7			148	99	14	16.3	81.73	2.71	1984	1982
150	195	14364	195	-63.5	-53.5	-76.1			133	97	18.2	19.9	90.41	2.82	1990	1982
125	159	15461	159	-71.2	-56.5	-85.3			107	95	21.3	22.9	111	3.19	1987	1989
100	121	16763	121	-75.2	-64.5	-90.5			86	88	21.7	22.9	122.47	3.24	1990	1989
80	93	18057	93	-70.4	-56.5	-86.1			61	79	17.5	19	126.54	3.64	1987	1989
70	87	18867	87	-64.8	-53.9	-76.5			53	77	18	18.9	145.96	2.94	1989	1989
60	74	19804	74	-60.7	-46.5	-72.1			46	79	20.1	20.8	161.32	3.37	1989	1981
50	68	20955	68	-56	-44.1	-68.1			34	80	19.3	21.9	173.57	3.81	1990	1981
40	54	22393	54	-51.5	-38.3	-59.1			18	76	22.9	25	204.5	3.72	1990	1989
30	39	24239	39	-47.1	-34.9	-54.1			9	77	24.1	25.9	232.54	3.8	1989	1981
25	30	25391	30	-44.5	-31.9	-51.7			4	106	26	26.8	246.53	3.96	1989	1981
20	22	26891	22	-41.5	-34.5	-45.9			3	106	29.1	31.7	184.06	2.96	1985	1989
15	15	28807	15	-39.4	-33.9	-44.3			2	123	31.3	32			1989	1989
10	7	31618	7	-38.5	-37.1	-42.5			2	115	19.2	24			1982	1989
7																

FREEZING LEVEL		
N	P	ALT
299	540	525

1ST TROPOPAUSE			
N	P	ALT	T

2ND TROPOPAUSE			
N	P	ALT	T
113	108	1631	-76.2

NORMALS OF RADIOSONDE DATA

43014 CHIKALTHANA (AGD)

OCTOBER 1971-90

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	371	945	371	19.8	24.8	13	371	14.8	371	341	0.4	1.1	1.35	0.96	1985	1987
1000	326	106											5.42			
950	326	523											13.67			
900	326	1012	326	22	29.8	11.2	320	10.4	312	33	2.8	5.9	7.28	1.13	1980	1985
850	326	1505	326	19.3	27.2	10.8	319	7.1	312	43	3.8	6.7	8.35	1.18	1988	1989
800	326	2023	326	15.6	24.4	7.4	315	4.6	312	40	3.9	6.7	9.5	1.23	1989	1982
750	326	2555	326	11.8	22.2	4.2	294	1.8	310	38	3.7	6.8	13.81	1.04	1989	1988
700	326	3138	326	8.2	18.4	0.4	258	-0.7	310	34	3	6.7	11.54	1.34	1990	1988
650	322	3742	322	5.5	16.8	-2.5	204	-4.7	301	18	2.5	6.6	19.57	1.81	1990	1982
600	318	4396	318	3	13	-6.3	142	-6.9	297	9	2	6.7	14.4	1.88	1990	1980
550	315	5114	315	-0.2	9.4	-10.3	108	-10.7	288	356	2	6.7	20.96	1.8	1989	1980
500	307	5854	307	-3.9	6.4	-13.1	77	-14.4	279	336	1.9	6.8	20.75	1.62	1989	1980
450	305	6684	305	-8.7	1.8	-16.5	59	-17.9	275	319	2.6	7.2	28.17	1.71	1988	1980
400	299	7582	299	-14.4	-3.9	-21.9	50	-22.9	269	303	3.2	7.6	30.72	1.66	1988	1980
350	289	8584	289	-20.8	-10.5	-30.1	43	-30.7	255	273	4	8.3	35.43	1.68	1988	1979
300	284	9708	284	-28.6	-17.9	-38.3	31	-37.2	248	247	5.9	9.4	43.98	1.97	1988	1979
250	269	10992	269	-38.3	-28.7	-48.9	11	-45.8	233	234	7.8	11.4	54.92	2.04	1989	1981
200	241	12487	241	-50.4	-40.9	-62.9			203	222	9.9	13.2	66.72	2.24	1984	1981
175	210	13338	210	-57.7	-46.1	-71.1			172	208	9.4	13.1	72.95	2.49	1990	1981
150	184	14291	184	-65	-53.5	-82.3			151	201	7.9	12	87.54	3.03	1984	1989
125	147	15373	147	-72.4	-59.1	-90.1			117	178	5.5	11.1	91.61	3.51	1984	1989
100	115	16669	115	-75.6	-62.1	-90.1			96	135	5.7	9.2	116.68	3.25	1989	1989
80	93	17985	93	-70.8	-58.1	-85.9			69	92	7.5	9.4	120.07	3.66	1989	1989
70	91	18789	91	-66.2	-51.3	-80.9			65	79	7.1	9	131.9	3.88	1984	1989
60	85	19724	85	-61.7	-47.5	-73.7			55	79	9.1	10.6	157.28	4.19	1984	1989
50	80	20874	80	-56.7	-43.3	-67.5			48	75	12.1	13.1	165.88	3.75	1984	1979
40	58	22288	58	-51.9	-35.1	-62.5			17	76	11.5	12.3	222.57	4.34	1985	1982
30	49	24173	49	-47	-33.3	-60.7			12	81	12.2	13.6	243.42	4.96	1986	1979
25	34	25326	34	-45.5	-35.5	-57.1			7	73	13.3	14.8	212.04	4.56	1985	1982
20	22	26845	22	-43.1	-32.5	-54.3			2	98	9.9	10	231.17	3.27	1990	1982
15	15	28829	15	-40.4	-33.3	-50.9			2	62	11.5	15.5			1990	1982
10	8	31577	8	-38.3	-34.1	-45.7									1986	1982
7																

FREEZING LEVEL		
N	P	ALT
315	557	501

1ST TROPOPAUSE			
N	P	ALT	T
3	151	1434	-62.3

2ND TROPOPAUSE			
N	P	ALT	T
111	108	1628	-76.1

NORMALS OF RADIOSONDE DATA
NOVEMBER 1971-90

43014 CHIKALTHANA (AGD)

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	343	948	343	16.2	24.2	8.4	343	10.7	343	83	0.5	0.7	0.91	1.83	1986	1988
1000	293	132											9.95			
950	293	546	33	14.5	20.4	9.4	33	7.8	32	93	2.9	3.4	14.85	1.3	1983	1983
900	293	1030	293	19.6	27.2	11.2	289	6.6	274	86	4.6	6	6.97	1.25	1990	1990
850	293	1518	293	17	28.4	7.2	286	3.9	275	85	4.3	6.3	7.45	1.37	1990	1990
800	293	2030	293	13.5	26.2	5.8	262	1.7	274	78	2.9	6.1	8.45	1.46	1990	1990
750	293	2568	293	10.8	22.8	3.4	210	0.1	274	56	1.3	6.1	14.56	1.44	1990	1988
700	293	3141	293	8.5	19.2	0.8	146	-1.8	274	4	1.3	6.3	11.99	1.38	1990	1984
650	292	3749	292	6.1	16.4	-5.3	112	-5.2	271	340	1.7	7.2	21.27	1.4	1990	1981
600	289	4401	289	3	13.8	-5.5	70	-8.2	266	319	2.3	7.7	17.82	1.51	1990	1984
550	285	5117	285	-0.7	10	-10.1	52	-10.2	260	308	3.6	9	26.73	1.62	1990	1989
500	280	5857	280	-5.1	6.2	-14.9	54	-15.1	254	291	4.7	10	24.46	1.54	1990	1989
450	278	6679	278	-10.2	2	-19.9	42	-19.1	247	279	6.4	11.3	37.85	1.52	1990	1989
400	278	7575	278	-15.9	-4.1	-25.1	40	-26	246	272	8.9	13.2	33.17	1.64	1990	1986
350	270	8566	270	-22.6	-11.3	-34.7	31	-32.8	237	263	12.2	15.4	41.1	1.53	1990	1990
300	262	9687	262	-30.1	-21.1	-41.1	20	-40.4	231	256	15.1	18.1	45.06	1.6	1990	1986
250	246	10956	246	-39.8	-24.7	-51.3			214	249	18.3	21.2	49.52	1.99	1988	1986
200	216	12443	216	-51.4	-36.7	-59.7			187	240	20	22.6	67.27	2.39	1988	1986
175	194	13293	194	-58	-41.9	-67.1			167	238	20.6	23.1	74.19	2.76	1988	1989
150	164	14249	164	-64.7	-48.1	-75.1			142	236	19.1	21.7	84.98	3.02	1988	1989
125	128	15336	128	-71	-55.5	-85.3			101	238	14.9	17.6	97.38	3.35	1988	1989
100	107	16615	107	-75.2	-61.7	-88.7			82	238	8.5	14.5	91.23	3.46	1986	1989
80	92	17913	92	-73.2	-61.7	-86.1			47	260	2.3	10.5	92.49	3.82	1983	1989
70	84	18709	84	-69.6	-54.7	-83.9			33	67	1.1	9	106.01	3.85	1983	1989
60	81	19623	81	-64.5	-50.1	-76.7			28	45	3	9	115.55	3.41	1983	1979
50	71	20751	71	-58.1	-44.1	-68.7			16	62	6.5	9.6	129.83	3.26	1983	1981
40	56	22161	56	-53.3	-41.7	-61.1			10	76	8.4	9.8	165.77	3.86	1983	1980
30	44	24050	43	-47.7	-37.1	-57.1			6	74	10.1	10.6	195.02	3.45	1990	1981
25	36	25266	36	-44.8	-34.5	-55.1			4	77	9.8	10.3	211.39	3.78	1990	1989
20	23	26796	23	-41.6	-34.9	-53.1			2	87	7.4	8	289.46	4.47	1987	1989
15	7	28728	7	-40.7	-34.3	-51.1									1988	1989
10	4	31590	4	-37.4	-33.9	-42.1									1988	1987
7																

FREEZING LEVEL		
N	P	ALT
285	562	495

1ST TROPOPAUSE			
N	P	ALT	T
8	149	1439	-65.6

2ND TROPOPAUSE			
N	P	ALT	T
97	102	1654	-76.2

NORMALS OF RADIOSONDE DATA
DECEMBER 1971-90

43014 CHIKALTHANA (AGD)

0000 UTC

LEVEL (hPa)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	372	949	372	13.8	24.8	4.6	372	8	372	95	0.7	1	1.12	0.88	1984	1983
1000	281	144											7.96			
950	281	555	74	12.7	19.4	8.2	74	7.6	62	106	3.9	4	11.99	1.73	1990	1987
900	281	1034	281	17.7	26.4	8.8	277	6	262	110	4.2	6.2	9.72	1.01	1989	1988
850	281	1520	281	15.5	27	6.2	272	3.5	262	130	2.8	6	9.61	1.03	1990	1988
800	281	2031	281	12.6	24.2	5.4	234	1.4	262	184	1.8	6	10.16	1.06	1990	1980
750	281	2568	281	10.4	27.2	2.8	164	-2.1	262	242	2.2	6.7	15.12	1.44	1990	1990
700	281	3140	281	8.3	24.8	-0.7	103	-7.2	262	263	3.8	7.8	13.53	1.65	1990	1981
650	279	3746	279	5.5	19.8	-3.3	64	-10.2	257	273	5.3	9.4	20.61	1.33	1990	1990
600	279	4398	279	2.1	14.4	-5.7	46	-12.6	255	273	7	10.8	18.05	1.31	1990	1984
550	276	5110	276	-2	10	-9.5	39	-16.5	253	269	8.9	12.5	24.35	1.39	1990	1980
500	274	5847	274	-6.7	5	-14.9	28	-20.2	250	269	11.2	14.6	25.37	1.27	1984	1988
450	273	6665	273	-11.9	-4.1	-21.5	23	-23.6	246	268	14.6	17.7	35.68	1.21	1990	1981
400	267	7554	267	-17.8	-9.3	-27.5	16	-26.8	240	262	18.6	21.8	32.97	1.41	1989	1984
350	264	8542	264	-24.3	-13.9	-34.3	14	-32.6	226	261	22.5	26.1	34.33	1.44	1989	1980
300	255	9652	255	-31.9	-20.9	-42.5	11	-41.5	212	258	27	31.2	38.5	1.71	1989	1984
250	239	10914	239	-41.5	-32.1	-52.5			188	256	31.3	36.6	46.05	1.85	1987	1981
200	203	12398	203	-52.4	-42.5	-66.7			136	254	33.6	38.6	59.03	2.02	1989	1981
175	168	13252	168	-58.4	-48.5	-73.5			94	256	34.7	39	70.55	2.49	1984	1981
150	144	14210	144	-64	-48.1	-79.3			76	257	33.8	36.7	92.2	2.8	1989	1981
125	119	15310	119	-69.1	-56.7	-83.5			51	253	30.3	32.8	103.75	2.32	1983	1981
100	102	16630	102	-73.6	-57.9	-87.1			37	253	21.4	23.6	126.22	2.9	1989	1981
80	87	17937	87	-73.4	-59.1	-83.9			22	292	8.6	15.5	142.83	2.45	1989	1989
70	78	18737	78	-70.4	-55.1	-80.1			15	296	8.2	14.2	165.05	2.22	1989	1989
60	67	19652	67	-66	-49.7	-76.9			10	317	5.2	17.1	157.47	2.96	1989	1987
50	60	20782	60	-60.4	-46.5	-74.1			10	286	5.4	16.3	183.16	4.18	1989	1983
40	53	22203	53	-54.8	-41.5	-72.9			8	161	6.3	14.7	223.36	7.7	1987	1979
30	41	24040	41	-50.9	-39.7	-73.9			3	146	8.5	22	265.03	9.24	1989	1987
25	36	25191	36	-49.5	-39.3	-73.1			2	281	15.3	17.5	280.96	9.18	1990	1987
20	30	26702	30	-45.7	-35.5	-72.5			1	228	10	10	164.35	4.28	1982	1987
15	21	28654	21	-42.9	-34.5	-71.3							238.05	7.08	1982	1987
10	10	31339	10	-42.1	-32.3	-69.9									1990	1987
7	3	33202	3	-48.1	-35.9	-68.5									1987	1987

FREEZING LEVEL		
N	P	ALT
279	575	477

1ST TROPOPAUSE			
N	P	ALT	T
15	144	1458	-66.4

2ND TROPOPAUSE			
N	P	ALT	T
83	98	1684	-74.7

NORMALS OF RADIOSONDE DATA

43279 MADRAS

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1011	620	21.0	25.2	17.0	619	19.4	620	029	2.7	3.3	0.97	0.79	1987	1972
1000	598	115	598	21.2	26.0	17.0	598	19.0	588	032	3.6	4.3	7.70	0.73	1975	1972
950	598	555	597	20.5	26.8	14.0	595	16.3	588	058	4.7	5.6	8.11	1.25	1980	1972
900	598	1024	597	17.6	25.4	8.0	594	11.5	588	067	5.3	6.1	8.09	1.23	1990	1974
850	598	1511	598	15.5	22.8	8.0	569	5.4	588	064	5.6	6.6	8.65	1.14	1980	1972
800	598	2024	598	13.7	21.6	4.0	507	-0.4	587	063	5.2	6.7	9.30	1.14	1987	1974
750	598	2563	598	11.8	18.8	2.0	415	-4.2	586	065	3.9	5.9	10.45	1.22	1980	1978
700	598	3140	598	9.5	15.4	2.0	355	-7.3	587	069	2.6	5.3	11.60	1.14	1980	1974
650	594	3750	594	6.5	13.0	-5.0	306	-11.1	582	065	1.7	5.4	13.65	1.14	1973	1972
600	592	4403	591	3.0	10.0	-4.0	284	-14.6	575	057	1.3	5.7	15.39	1.16	1973	1971
550	591	5101	591	-1.0	6.0	-7.3	257	-18.6	574	040	1.2	6.1	18.74	1.30	1973	1982
500	586	5857	586	-5.4	1.2	-11.9	238	-22.9	568	357	0.9	6.7	21.44	1.44	1983	1982
450	579	6673	579	-10.3	-2.0	-18.0	218	-27.7	561	308	1.4	7.7	26.36	1.59	1975	1974
400	575	7575	575	-16.0	-8.1	-25.0	202	-33.9	554	289	2.8	8.7	31.11	1.82	1990	1974
350	567	8567	567	-22.7	-14.9	-31.0	169	-39.9	546	275	4.9	10.2	37.24	1.86	1990	1976
300	555	9687	555	-30.9	-22.3	-40.0	154	-46.9	533	261	6.8	11.2	46.45	2.07	1990	1976
250	534	10955	534	-40.9	-32.1	-50.0	84	-54.0	509	246	8.4	12.6	56.55	2.22	1990	1972
200	516	12437	516	-52.8	-43.7	-63.0	1	-57.0	487	235	9.7	14.4	72.26	2.32	1989	1972
175	471	13285	471	-59.6	-51.7	-72.0			437	232	9.4	14.8	81.46	2.31	1985	1972
150	446	14235	446	-66.7	-58.5	-78.0			410	232	8.1	13.8	90.70	2.08	1983	1978
125	386	15325	386	-73.3	-62.1	-88.0			351	234	5.6	12.4	102.82	2.20	1990	1978
100	338	16618	338	-79.3	-70.3	-89.1			305	216	2.3	9.8	110.84	2.07	1983	1982
80	269	17887	269	-77.1	-64.7	-90.0			232	179	0.5	7.7	130.47	3.31	1982	1978
70	240	18692	240	-73.2	-60.7	-85.1			204	300	0.3	7.1	134.75	3.40	1982	1983
60	208	19592	208	-68.0	-54.9	-82.0			176	281	0.7	6.6	147.30	3.26	1983	1978
50	187	20710	187	-62.0	-50.7	-78.0			158	245	1.0	7.0	166.05	4.34	1989	1978
40	141	22122	141	-57.1	-43.5	-73.0			118	103	0.8	9.4	205.41	4.98	1982	1978
30	122	23966	122	-52.0	-39.1	-64.7			97	099	5.2	10.9	222.00	3.68	1983	1985
25	91	25116	91	-50.1	-37.5	-62.5			71	085	9.0	13.2	213.74	3.54	1981	1985
20	71	26565	71	-48.2	-37.3	-59.9			56	087	10.0	14.9	174.47	3.87	1981	1985
15	49	28419	49	-46.8	-38.1	-56.9			27	095	11.3	14.8	147.96	2.30	1989	1985
10	34	31070	34	-44.2	-36.7	-52.7			13	097	7.4	15.4	176.78	2.14	1983	1986
7	19	33380	19	-42.4	-32.9	-49.9			2	112	10.5	15.0			1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
592	561	493	1	123	1556	-74.1	292	098	1675	-81.1

NORMALS OF RADIOSONDE DATA

43279 MADRAS

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	1010	565	22.2	26.4	16.8	565	20.5	565	070	0.9	2.4	1.20	1.02	1979	1989
1000	544	103	544	22.4	26.8	17.6	544	20.1	533	059	1.1	3.1	11.31	0.93	1988	1981
950	544	545	544	21.6	28.0	15.0	544	16.3	533	119	2.8	4.9	11.46	0.88	1973	1972
900	544	1015	544	19.7	27.8	11.0	535	9.3	533	105	3.7	5.6	12.34	1.07	1983	1972
850	544	1506	543	17.6	25.2	7.0	521	3.5	533	079	4.1	6.2	11.96	1.13	1983	1976
800	544	2021	544	14.7	22.6	7.0	488	-0.2	533	065	4.3	6.4	12.57	1.22	1983	1971
750	544	2561	544	11.8	19.6	4.2	440	-4.2	533	049	3.7	6.1	14.38	1.19	1983	1979
700	544	3138	544	9.1	17.2	2.0	390	-8.1	532	041	2.7	5.7	14.25	1.18	1983	1975
650	542	3747	542	6.0	14.0	-5.0	328	-12.3	530	027	1.5	5.4	15.09	1.22	1976	1976
600	540	4399	540	2.7	14.0	-3.0	298	-16.2	528	003	0.8	6.0	16.19	1.17	1976	1971
550	539	5096	539	-1.1	7.6	-8.0	258	-20.0	526	310	1.0	6.7	18.16	1.06	1985	1976
500	538	5853	538	-5.5	5.0	-12.0	235	-24.6	526	291	1.9	7.3	19.38	1.19	1977	1978
450	535	6669	535	-10.3	-1.0	-17.0	203	-29.2	522	280	2.8	8.3	23.49	1.24	1973	1978
400	527	7571	527	-15.8	-7.1	-23.7	200	-34.3	514	279	4.4	9.7	25.55	1.51	1990	1981
350	518	8562	518	-22.7	-14.3	-30.1	188	-40.0	504	274	6.4	11.0	32.70	1.66	1983	1981
300	515	9681	515	-30.9	-20.9	-38.0	165	-46.8	501	263	7.9	12.0	38.55	1.85	1983	1978
250	500	10950	500	-40.9	-31.7	-48.3	83	-54.2	487	252	8.8	12.9	48.37	1.92	1983	1981
200	486	12430	486	-52.9	-43.3	-62.0	2	-56.5	472	245	8.8	13.5	61.99	2.20	1990	1972
175	445	13281	445	-59.7	-50.1	-71.0			426	245	8.1	13.9	70.17	2.26	1985	1973
150	419	14230	419	-67.0	-58.1	-77.0			404	242	7.6	13.9	81.99	2.18	1990	1972
125	375	15312	375	-73.6	-63.3	-84.1			359	251	5.4	12.2	95.63	2.25	1990	1982
100	343	16601	343	-79.4	-68.7	-90.0			326	269	3.3	9.6	111.42	2.09	1990	1978
80	275	17871	275	-77.8	-59.0	-89.0			244	280	1.9	7.7	128.27	2.92	1974	1978
70	228	18669	228	-74.3	-61.3	-86.3			201	287	2.1	6.7	136.72	2.91	1986	1986
60	197	19567	197	-69.7	-55.1	-82.0			169	269	2.0	6.5	143.07	3.94	1986	1977
50	174	20680	174	-64.1	-51.3	-77.0			146	274	1.8	7.4	153.50	4.80	1989	1975
40	124	22089	124	-59.0	-47.9	-71.7			99	164	0.7	8.6	201.02	3.86	1983	1985
30	102	23926	102	-52.5	-44.1	-63.5			84	086	5.1	10.0	245.84	4.31	1988	1984
25	80	25105	80	-50.5	-39.1	-62.1			67	088	7.4	11.9	223.20	3.31	1981	1984
20	66	26573	66	-48.0	-40.5	-59.3			51	083	8.8	12.5	245.57	2.83	1985	1984
15	45	28486	45	-45.3	-38.1	-55.9			24	088	8.1	12.8	259.68	2.32	1985	1984
10	30	31222	30	-41.8	-33.3	-50.9			17	122	4.1	12.6	315.89	2.74	1985	1984
7	19	33629	19	-39.3	-30.7	-46.7			11	252	3.6	15.2			1985	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
540	565	437					294	096	1682	-815

NORMALS OF RADIOSONDE DATA

43279 MADRAS

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1009	620	24.1	29.0	19.6	620	22.4	620	175	1.4	2.3	0.84	0.79	1975	1989
1000	606	92	606	24.2	29.2	20.0	605	22.0	596	177	1.6	2.8	6.91	0.75	1979	1972
950	606	537	606	23.5	31.0	18.0	604	17.0	596	173	3.9	5.1	7.47	1.01	1978	1971
900	606	1010	606	22.2	30.6	14.0	596	8.6	596	153	4.1	5.6	7.10	1.09	1980	1978
850	606	1505	606	20.0	27.8	9.0	583	2.4	596	113	3.9	5.8	6.98	1.24	1980	1973
800	606	2024	606	16.8	24.8	6.0	560	-0.8	595	079	5.1	6.8	7.41	1.31	1980	1975
750	605	2567	605	13.1	21.2	1.0	517	-3.3	594	061	5.7	7.3	8.97	1.29	1980	1976
700	603	3145	602	9.3	19.0	-3.0	484	-6.8	594	051	5.2	7.2	10.19	1.28	1973	1976
650	599	3755	598	5.8	18.0	-7.0	405	-11.2	590	043	4.2	6.7	12.27	1.25	1980	1974
600	596	4406	596	2.6	13.0	-5.0	344	-16.0	586	048	2.8	5.9	14.50	1.24	1976	1978
550	594	5103	594	-1.1	6.4	-10.0	284	-20.5	585	050	1.9	6.0	17.72	1.38	1983	1978
500	589	5859	589	-5.3	2.0	-15.0	263	-25.0	581	012	1.0	6.7	20.62	1.61	1983	1978
450	584	6676	584	-10.3	-1.3	-20.0	230	-29.8	577	305	1.6	7.4	25.78	1.81	1990	1978
400	581	7579	581	-15.8	-6.3	-25.0	226	-34.7	573	277	3.8	8.6	32.06	2.04	1990	1978
350	576	8570	576	-22.6	-12.3	-31.0	205	-40.2	567	265	6.1	10.2	40.41	2.13	1990	1976
300	567	9692	567	-30.6	-20.5	-39.0	179	-47.0	556	259	8.3	11.9	48.99	2.13	1980	1977
250	551	10963	551	-40.3	-30.3	-48.0	83	-53.9	537	253	9.9	13.4	58.57	2.10	1980	1972
200	534	12448	534	-52.0	-41.9	-62.0	3	-59.7	520	246	11.0	14.5	72.48	2.33	1980	1972
175	495	13301	495	-58.6	-46.5	-68.0			481	248	10.6	14.5	81.25	2.49	1980	1972
150	472	14256	472	-65.7	-53.5	-75.1			459	249	9.3	14.2	92.13	2.51	1980	1979
125	423	15344	423	-72.7	-60.1	-84.0			401	252	6.5	12.4	101.88	3.02	1980	1978
100	385	16636	385	-79.1	-65.1	-92.0			361	255	2.9	9.2	118.79	2.81	1980	1978
80	321	17903	321	-77.2	-64.1	-88.7			287	314	0.2	7.5	118.87	2.77	1981	1982
70	302	18695	302	-73.6	-57.7	-84.1			267	282	0.8	6.9	124.45	3.04	1985	1984
60	269	19596	269	-68.7	-53.1	-82.0			228	275	1.6	6.7	134.23	3.48	1981	1973
50	238	20712	238	-63.0	-45.7	-74.0			200	255	1.9	7.5	153.84	4.24	1981	1973
40	190	22120	190	-57.3	-40.5	-68.0			146	120	0.6	8.8	170.01	3.35	1981	1973
30	159	24001	159	-50.8	-36.1	-59.5			114	085	5.0	10.6	192.26	2.93	1981	1984
25	126	25186	126	-48.1	-37.7	-59.9			68	086	8.1	12.3	85.34	1.81	1981	1984
20	105	26665	105	-45.5	-31.1	-54.3			70	084	8.9	13.7	65.84	1.67	1981	1984
15	73	28584	73	-43.0	-33.9	-51.1			28	084	5.8	13.9	104.19	2.31	1981	1984
10	43	31275	43	-40.3	-32.5	-49.3			14	076	4.4	15.8	149.88	1.51	1984	1985
7	20	33703	20	-38.8	-32.5	-47.9			9	178	1.4	14.4			1985	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
595	564	489					335	096	1684	-81.3

NORMALS OF RADIOSONDE DATA

43279 MADRAS

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	1006	599	26.8	30.0	23.0	599	24.6	599	190	2.8	3.3	0.81	0.33	1973	1972
<i>1000</i>	578	70	578	26.7	34.0	23.0	578	24.2	565	190	3.1	3.8	6.24	0.42	1978	1972
<i>950</i>	578	518	578	25.1	31.6	18.0	577	20.5	565	194	6.4	7.1	6.49	1.23	1982	1973
<i>900</i>	578	993	578	23.6	31.0	15.8	575	13.1	565	189	5.8	6.7	6.80	1.14	1980	1989
<i>850</i>	578	1490	578	21.8	30.0	13.8	569	6.1	565	156	3.2	4.9	7.11	1.11	1980	1989
<i>800</i>	578	2013	578	18.9	27.8	11.4	552	1.5	564	091	3.7	5.3	7.75	1.07	1982	1989
<i>750</i>	578	2560	578	15.1	24.0	7.0	537	-1.8	563	064	5.4	6.6	9.69	1.07	1977	1989
<i>700</i>	578	3141	578	10.8	18.8	4.0	528	-4.8	564	054	6.4	7.6	8.94	1.19	1980	1979
<i>650</i>	572	3753	572	6.7	19.0	0.0	487	-8.1	557	046	6.4	7.7	12.00	1.40	1978	1974
<i>600</i>	569	4406	569	2.9	12.2	-4.0	446	-13.5	554	045	5.7	7.1	14.04	1.52	1990	1972
<i>550</i>	565	5103	564	-0.8	8.0	-13.0	364	-18.2	550	052	4.1	6.3	18.09	1.53	1990	1978
<i>500</i>	563	5861	561	-4.9	2.0	-11.0	304	-22.5	546	065	2.8	6.1	20.62	1.51	1974	1972
<i>450</i>	560	6679	559	-9.7	-2.1	-22.0	262	-26.8	543	066	1.2	6.6	25.77	1.57	1990	1977
<i>400</i>	557	7584	556	-15.2	-7.3	-23.0	245	-32.0	540	313	0.9	7.5	30.39	1.81	1990	1972
<i>350</i>	547	8579	547	-22.0	-12.3	-33.0	209	-37.7	526	276	2.9	8.5	37.52	1.97	1990	1972
<i>300</i>	537	9701	537	-29.9	-19.1	-39.0	171	-44.9	519	259	4.7	9.6	46.06	2.12	1985	1972
<i>250</i>	513	10975	513	-39.8	-29.1	-49.0	94	-52.8	498	245	6.7	10.8	56.87	2.32	1980	1972
<i>200</i>	492	12456	491	-51.5	-39.5	-59.1	2	-57.5	476	236	8.2	12.0	73.66	2.62	1980	1986
<i>175</i>	450	13321	449	-58.2	-45.3	-66.1			429	234	8.0	12.1	84.56	2.79	1980	1979
<i>150</i>	418	14276	418	-65.6	-51.1	-74.0			408	234	6.9	11.3	95.56	2.97	1980	1977
<i>125</i>	367	15364	367	-72.5	-57.1	-82.0			356	239	3.6	9.1	123.63	3.65	1980	1978
<i>100</i>	336	16651	336	-79.1	-61.5	-90.0			323	117	1.8	7.7	156.29	4.38	1980	1977
<i>80</i>	277	17939	277	-76.5	-60.5	-90.0			264	089	3.9	7.9	184.41	4.43	1980	1978
<i>70</i>	260	18740	260	-72.4	-57.1	-85.0			249	098	3.0	7.3	204.31	4.49	1980	1978
<i>60</i>	239	19644	239	-67.1	-53.1	-79.0			228	105	1.4	7.1	219.12	4.54	1980	1978
<i>50</i>	218	20776	218	-60.6	-46.5	-72.0			205	088	2.1	7.9	239.79	4.78	1989	1977
<i>40</i>	174	22206	174	-55.2	-39.7	-66.0			153	086	4.5	8.9	251.76	3.94	1990	1973
<i>30</i>	149	24070	149	-49.6	-36.7	-61.0			134	088	9.2	12.0	197.12	3.89	1981	1978
<i>25</i>	125	25238	125	-47.2	-35.9	-58.0			104	089	11.3	13.9	226.24	3.76	1981	1978
<i>20</i>	102	26745	102	-44.7	-36.1	-53.7			77	094	14.5	16.5	160.08	1.59	1985	1985
<i>15</i>	74	28683	74	-41.6	-32.7	-51.1			39	092	15.7	18.0	157.42	1.54	1985	1985
<i>10</i>	50	31409	50	-38.2	-27.1	-47.5			17	088	14.6	22.0	239.88	1.89	1985	1988
<i>7</i>	16	33876	16	-36.4	-26.1	-44.7			5	093	3.4	11.8			1985	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
567	560	495					292	095	1691	-80.7

NORMALS OF RADIOSONDE DATA

43279 MADRAS

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1003	620	28.5	34.0	22.0	620	23.9	620	225	3.3	4.6	1.24	0.57	1978	1972
<i>1000</i>	598	43	551	28.2	33.4	22.0	550	23.8	540	219	3.2	4.5	10.35	0.51	1980	1972
<i>950</i>	598	494	598	27.1	34.2	18.0	598	20.8	589	236	6.5	9.1	10.21	1.27	1985	1971
<i>900</i>	598	973	597	25.3	33.2	15.0	595	16.2	588	248	5.6	8.5	9.91	1.29	1980	1977
<i>850</i>	598	1472	598	22.8	30.8	13.0	596	11.5	588	266	2.5	5.9	10.00	1.28	1980	1982
<i>800</i>	598	1997	598	19.7	28.4	8.8	595	7.3	588	356	1.9	5.3	10.41	1.34	1980	1982
<i>750</i>	598	2544	598	15.9	24.0	5.0	593	3.2	588	029	4.0	6.2	13.01	1.39	1980	1982
<i>700</i>	598	3129	597	11.7	20.0	5.0	581	-0.6	588	039	5.2	7.2	13.56	1.42	1978	1974
<i>650</i>	595	3743	593	7.3	16.0	-3.0	568	-4.0	581	041	5.8	7.9	16.21	1.59	1978	1976
<i>600</i>	589	4397	588	3.0	11.6	-4.1	530	-8.3	574	039	5.7	8.0	19.31	1.71	1990	1981
<i>550</i>	578	5095	577	-0.9	7.4	-7.3	457	-12.3	562	040	4.7	7.3	23.13	1.67	1980	1982
<i>500</i>	575	5852	575	-4.6	2.8	-12.3	403	-17.3	559	049	3.0	6.6	26.96	1.51	1980	1982
<i>450</i>	567	6673	567	-9.0	-1.9	-18.3	337	-21.4	548	058	1.9	6.6	31.71	1.65	1990	1982
<i>400</i>	563	7580	563	-14.3	-6.3	-23.9	302	-27.1	546	056	1.4	6.4	35.83	1.80	1990	1982
<i>350</i>	557	8579	556	-20.9	-11.9	-31.7	246	-32.7	536	084	0.7	6.2	43.59	1.96	1990	1982
<i>300</i>	551	9706	549	-28.8	-18.9	-41.9	202	-39.9	529	109	0.9	6.1	50.87	2.11	1980	1982
<i>250</i>	530	10987	528	-38.6	-27.0	-47.0	138	-49.1	508	132	1.6	6.8	63.21	2.35	1978	1977
<i>200</i>	511	12484	511	-50.6	-39.9	-59.0	11	-58.1	488	132	3.9	8.5	79.28	2.69	1980	1977
<i>175</i>	475	13343	475	-57.5	-44.1	-68.0			447	128	5.6	9.9	89.43	2.91	1980	1977
<i>150</i>	454	14302	454	-65.1	-49.5	-75.0			427	118	7.4	11.3	104.17	3.09	1980	1974
<i>125</i>	393	15392	393	-72.4	-59.3	-84.0			365	104	9.9	12.5	118.98	3.41	1980	1977
<i>100</i>	361	16681	360	-79.1	-63.9	-90.0			331	098	12.4	13.9	140.69	3.26	1980	1977
<i>80</i>	291	17966	290	-75.7	-56.1	-91.0			261	096	11.2	12.5	157.06	4.28	1980	1977
<i>70</i>	270	18775	270	-71.5	-49.1	-88.0			245	095	8.8	10.4	180.44	4.52	1980	1978
<i>60</i>	242	19686	242	-66.1	-51.9	-82.0			209	091	6.7	8.9	196.34	4.28	1982	1978
<i>50</i>	217	20819	217	-59.9	-43.7	-74.0			185	089	7.8	9.6	205.30	3.21	1981	1978
<i>40</i>	164	22254	164	-55.0	-40.3	-68.0			132	087	12.1	13.1	248.02	3.39	1982	1978
<i>30</i>	141	24119	141	-49.5	-35.7	-60.0			114	091	15.3	16.1	299.02	3.39	1982	1978
<i>25</i>	116	25308	116	-46.7	-33.1	-56.9			88	092	18.5	19.3	263.42	2.66	1982	1989
<i>20</i>	96	26836	96	-43.3	-28.9	-54.7			69	088	20.3	21.2	145.75	2.70	1982	1989
<i>15</i>	59	28707	59	-41.8	-28.5	-52.1			29	086	20.2	21.8	127.52	2.58	1982	1989
<i>10</i>	36	31416	36	-39.4	-33.9	-48.1			13	087	20.5	23.1	175.50	1.61	1988	1989
<i>7</i>	17	33865	17	-36.6	-30.1	-42.7			8	099	9.1	14.8			1982	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
583	561	493					309	097	1683	-80.8

NORMALS OF RADIOSONDE DATA

43279 MADRAS

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	500	1002	500	28.4	32.0	24.0	600	22.0	600	257	5.1	5.8	0.63	0.55	1984	1976
<i>1000</i>	544	34	504	28.3	32.4	23.8	503	21.7	481	257	5.3	6.1	5.02	0.49	1987	1982
<i>950</i>	544	484	544	26.7	32.8	21.6	542	18.8	526	268	10.8	11.5	4.68	0.97	1987	1982
<i>900</i>	544	962	544	24.1	31.0	18.8	543	16.0	526	278	12.0	12.8	5.04	1.16	1982	1981
<i>850</i>	544	1460	543	21.4	28.8	15.8	540	13.2	525	283	11.0	11.9	5.45	1.11	1986	1981
<i>800</i>	544	1982	543	18.2	24.8	13.0	540	10.4	525	284	9.0	10.0	6.42	1.15	1980	1974
<i>750</i>	544	2528	542	14.6	21.4	7.0	536	7.3	525	284	6.9	8.6	8.69	1.16	1988	1972
<i>700</i>	544	3110	543	10.9	16.2	5.0	533	3.9	525	280	6.2	8.5	10.52	1.16	1988	1977
<i>650</i>	536	3723	536	7.3	15.6	-3.0	526	0.1	519	280	5.5	8.3	12.67	1.22	1988	1978
<i>600</i>	533	4378	533	3.5	12.4	-2.3	518	-3.5	513	276	5.4	8.3	15.71	1.27	1988	1979
<i>550</i>	526	5078	526	-0.4	8.0	-3.0	495	-7.4	505	271	5.0	7.8	19.67	1.36	1972	1971
<i>500</i>	521	5836	521	-4.5	4.0	-12.0	478	-12.3	499	271	4.5	7.2	22.43	1.39	1975	1974
<i>450</i>	512	6656	512	-9.0	-2.9	-17.0	437	-17.3	486	272	3.2	6.5	27.89	1.57	1988	1974
<i>400</i>	507	7566	507	-14.1	-7.7	-22.0	402	-23.4	479	282	1.1	5.6	33.25	1.66	1988	1978
<i>350</i>	496	8564	496	-20.6	-13.0	-27.1	331	-29.6	470	069	1.2	5.8	40.45	1.69	1975	1986
<i>300</i>	488	9595	488	-26.5	-20.1	-37.0	283	-38.3	465	082	4.2	6.7	46.59	1.84	1990	1977
<i>250</i>	475	10977	475	-38.4	-30.9	-48.0	161	-47.6	454	086	8.9	10.4	56.79	2.07	1985	1977
<i>200</i>	461	12476	461	-50.5	-40.7	-62.0	20	-57.2	438	086	15.9	16.8	71.40	2.41	1980	1977
<i>175</i>	428	13357	428	-57.5	-48.5	-69.0	1	-57.0	406	083	20.0	20.8	80.13	2.57	1983	1977
<i>150</i>	398	14300	398	-65.3	-55.5	-75.0			384	082	24.4	25.4	90.16	2.64	1983	1977
<i>125</i>	352	15388	352	-72.8	-60.1	-83.0			340	084	27.9	29.1	103.06	3.03	1980	1978
<i>100</i>	320	16678	320	-79.0	-64.5	-89.0			309	088	28.3	29.0	117.98	3.38	1980	1978
<i>80</i>	268	17961	268	-74.4	-60.1	-90.0			246	091	21.2	21.9	145.55	4.21	1982	1978
<i>70</i>	245	18769	245	-69.9	-57.5	-88.0			225	092	16.4	17.3	156.85	4.66	1980	1978
<i>60</i>	216	19684	215	-64.9	-50.7	-79.0			193	086	13.6	14.5	183.32	5.27	1990	1975
<i>50</i>	190	20823	190	-59.6	-46.9	-73.0			170	084	13.7	14.6	255.18	4.66	1990	1978
<i>40</i>	148	22232	148	-55.4	-43.5	-66.1			127	087	15.9	16.5	207.16	2.73	1990	1986
<i>30</i>	123	24118	123	-50.0	-39.1	-59.9			105	091	18.4	18.9	215.18	3.67	1990	1986
<i>25</i>	92	25291	92	-48.0	-37.1	-56.3			71	092	20.1	20.8	180.57	2.98	1982	1986
<i>20</i>	75	26802	75	-44.7	-31.3	-53.3			53	087	21.2	21.7	158.96	2.64	1982	1985
<i>15</i>	43	28753	43	-42.0	-33.5	-48.9			18	082	23.9	25.8	251.67	2.97	1984	1987
<i>10</i>	28	31518	28	-38.8	-31.9	-44.3			9	088	22.7	22.8	313.74	2.85	1988	1987
<i>7</i>	15	34067	15	-35.0	-30.1	-40.3			2	095	29.3	29.5			1988	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
529	554	501					287	099	1671	-80.5

NORMALS OF RADIOSONDE DATA

43279 MADRAS

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1003	620	27.0	33.0	22.4	620	22.4	620	259	4.5	5.1	0.67	0.71	1971	1979
<i>1000</i>	585	42	564	25.9	30.4	22.6	564	22.2	549	259	4.8	5.4	5.33	0.71	1981	1984
<i>950</i>	585	489	585	25.7	35.0	19.0	584	19.1	578	267	9.3	10.0	6.64	0.73	1980	1973
<i>900</i>	585	967	585	22.9	31.4	16.0	584	16.5	578	279	10.7	11.4	6.20	0.88	1980	1978
<i>850</i>	585	1463	585	20.1	28.0	13.0	584	14.0	578	285	10.4	11.2	6.96	0.95	1980	1974
<i>800</i>	585	1983	585	17.0	24.4	9.6	585	11.4	578	286	8.9	9.8	8.07	0.93	1980	1990
<i>750</i>	585	2527	585	13.7	21.2	7.2	584	8.6	578	283	7.7	8.7	10.86	1.05	1980	1990
<i>700</i>	585	3108	585	10.2	18.0	3.4	583	5.2	578	278	7.2	8.2	11.42	1.03	1980	1990
<i>650</i>	580	3719	580	6.7	13.2	-0.3	572	1.2	567	274	7.3	8.4	13.86	1.03	1980	1990
<i>600</i>	573	4373	573	3.2	9.8	-3.0	562	-2.8	554	271	6.8	8.2	16.50	1.10	1980	1975
<i>550</i>	567	5072	567	-0.4	6.0	-6.3	536	-6.8	542	264	5.8	7.9	19.40	1.12	1978	1985
<i>500</i>	562	5831	562	-4.5	1.6	-14.0	517	-11.8	539	261	4.6	7.4	21.27	1.22	1989	1973
<i>450</i>	550	6652	550	-9.1	-1.9	-16.1	481	-17.1	519	249	2.7	6.7	24.47	1.25	1988	1985
<i>400</i>	540	7560	539	-14.3	-5.9	-20.5	460	-23.2	509	184	0.7	6.3	29.39	1.39	1988	1985
<i>350</i>	532	8559	531	-21.0	-13.3	-27.0	409	-29.8	497	092	3.0	6.8	35.73	1.59	1988	1975
<i>300</i>	520	9686	518	-28.9	-20.7	-35.7	361	-38.1	479	088	7.1	9.0	42.60	1.71	1980	1981
<i>250</i>	501	10964	501	-38.9	-28.7	-46.3	212	-47.8	455	086	12.7	13.7	50.39	1.81	1980	1981
<i>200</i>	481	12459	481	-51.1	-40.5	-72.0	25	-57.9	441	083	20.6	21.3	61.54	1.99	1980	1972
<i>175</i>	453	13319	453	-58.0	-46.1	-67.1			417	080	24.6	25.3	71.52	2.10	1980	1981
<i>150</i>	421	14276	421	-65.7	-51.5	-74.5			391	080	29.7	30.3	80.87	2.20	1980	1981
<i>125</i>	372	15362	372	-73.2	-57.1	-84.9			343	081	34.0	34.7	87.27	2.48	1980	1981
<i>100</i>	331	16656	331	-77.7	-65.7	-90.0			301	084	33.4	34.0	105.43	2.78	1980	1978
<i>80</i>	277	17953	277	-71.4	-56.5	-85.5			232	087	24.8	25.3	119.18	3.46	1980	1982
<i>70</i>	236	18774	236	-67.3	-56.3	-82.0			198	087	21.9	22.4	129.50	3.79	1980	1978
<i>60</i>	196	19698	196	-63.2	-51.9	-80.0			157	087	19.0	19.5	134.45	4.35	1980	1973
<i>50</i>	174	20837	174	-58.8	-47.5	-78.0			139	088	18.3	18.7	142.87	5.46	1981	1972
<i>40</i>	129	22254	129	-55.8	-45.5	-73.0			80	088	19.4	19.9	205.12	6.28	1985	1973
<i>30</i>	113	24111	113	-51.4	-42.5	-66.0			68	088	20.6	21.0	255.84	5.51	1985	1973
<i>25</i>	84	25281	84	-49.1	-40.1	-58.1			37	091	22.0	22.8	139.84	1.97	1985	1985
<i>20</i>	69	26772	69	-46.5	-38.1	-56.7			33	092	21.5	21.9	138.56	2.23	1990	1985
<i>15</i>	40	28659	40	-45.0	-35.3	-54.7			10	085	28.7	30.3	142.12	3.83	1989	1985
<i>10</i>	30	31369	30	-42.5	-37.1	-52.1			6	093	27.7	28.0	149.12	1.88	1984	1985
<i>7</i>	15	33760	15	-39.7	-34.9	-48.9			3	072	27.6	28.3			1988	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

571 555 498

309 104 1640 -79.5

NORMALS OF RADIOSONDE DATA

43279 MADRAS

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1003	620	26.6	30.0	23.0	620	22.5	620	260	4.7	5.2	0.74	0.49	1972	1976
1000	591	45	588	26.5	30.0	22.8	588	22.2	568	260	5.0	5.5	5.51	0.46	1972	1982
950	591	492	591	25.5	33.0	20.2	591	19.1	574	271	9.9	10.5	7.97	0.54	1979	1983
900	591	970	590	22.7	30.8	17.0	590	16.4	573	281	11.2	11.8	7.06	0.81	1982	1974
850	591	1465	590	19.9	28.0	14.0	590	13.9	573	288	10.8	11.4	7.99	0.85	1990	1971
800	591	1985	590	16.8	24.6	10.3	590	11.4	573	288	9.5	10.2	9.36	0.91	1982	1980
750	591	2528	591	13.5	22.2	7.4	590	8.5	573	286	8.4	9.2	11.84	1.00	1982	1980
700	591	3109	591	10.2	19.2	4.0	590	5.1	573	282	7.8	8.6	13.51	1.02	1982	1975
650	581	3721	581	6.9	16.0	0.0	578	1.4	560	278	7.7	8.6	15.63	1.04	1973	1977
600	575	4376	575	3.4	10.4	-3.0	567	-2.5	552	276	7.3	8.3	17.61	1.14	1982	1977
550	570	5075	570	-0.3	6.8	-7.0	559	-7.1	543	271	6.4	7.9	21.96	1.17	1982	1977
500	568	5835	568	-4.2	2.6	-13.0	544	-12.4	540	265	5.0	7.2	22.62	1.18	1982	1971
450	564	6656	564	-8.8	-1.9	-15.0	519	-17.6	525	261	3.3	6.6	26.43	1.26	1982	1972
400	557	7565	557	-14.2	-4.1	-23.0	487	-23.4	516	237	1.0	6.2	30.09	1.45	1990	1975
350	549	8563	549	-20.9	-12.3	-29.0	432	-29.6	494	097	2.0	6.4	35.44	1.48	1987	1975
300	542	9692	541	-28.9	-18.3	-38.0	392	-38.0	488	091	6.0	8.2	40.78	1.61	1987	1978
250	530	10971	530	-38.9	-30.9	-48.0	237	-47.7	474	089	12.1	13.0	48.49	1.82	1984	1976
200	511	12465	511	-51.1	-40.5	-62.0	24	-57.6	454	083	19.8	20.4	61.77	2.18	1984	1974
175	473	13323	471	-58.0	-46.1	-68.0	2	-58.8	409	082	24.3	24.8	68.70	2.33	1984	1971
150	446	14280	446	-65.6	-54.1	-77.0	1	-70.1	388	082	28.2	29.8	75.00	2.48	1984	1977
125	395	15370	395	-73.1	-61.3	-87.0			341	082	31.4	32.1	97.04	2.75	1984	1977
100	350	16672	350	-77.6	-60.0	-90.0			295	085	30.8	31.4	112.14	2.70	1971	1978
80	286	17989	286	-70.7	-55.1	-84.0			216	089	22.5	23.0	127.46	3.46	1981	1978
70	261	18805	261	-66.5	-52.9	-80.0			202	092	19.2	19.7	145.55	3.43	1987	1978
60	226	19739	226	-62.6	-47.1	-75.0			162	068	17.5	18.1	154.66	3.59	1931	1978
50	207	20884	207	-56.4	-46.9	-71.0			146	086	17.7	18.3	164.98	3.69	1981	1977
40	144	22298	144	-54.9	-42.5	-68.0			85	085	19.2	19.6	217.07	3.91	1987	1977
30	120	24165	120	-50.8	-41.1	-59.5			63	088	19.5	19.8	221.23	3.35	1981	1988
25	86	25339	86	-49.1	-37.5	-57.0			42	088	23.0	23.4	198.20	2.80	1987	1978
20	72	26799	72	-46.9	-39.1	-53.9			32	089	24.8	25.2	124.93	1.51	1984	1990
15	45	28702	45	-44.9	-37.1	-51.9			18	091	26.0	26.6	128.42	1.87	1984	1990
10	27	31444	27	-41.3	-30.9	-47.3			10	054	27.9	28.3	230.90	1.13	1988	1988
7	15	33851	15	-40.5	-32.1	-46.7			2	087	26.8	27.0			1985	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
574	553	502					326	104	1641	-79.3

NORMALS OF RADIOSONDE DATA

43279 MADRAS

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1005	600	26.1	30.0	22.8	600	23.6	600	251	3.1	4.1	0.59	0.47	1982	1990
<i>1000</i>	583	58	579	26.1	29.8	23.4	577	23.2	567	251	3.2	4.3	4.91	0.42	1982	1985
<i>950</i>	583	504	583	25.1	32.2	19.2	581	20.1	571	257	6.3	7.7	8.37	1.05	1990	1979
<i>900</i>	583	981	583	22.6	33.0	15.2	581	17.0	571	269	5.6	7.5	7.17	1.22	1990	1979
<i>850</i>	583	1476	583	19.8	29.4	12.0	582	14.4	571	287	4.4	6.5	8.85	1.28	1990	1973
<i>800</i>	583	1996	583	16.5	24.2	9.6	582	11.5	570	303	3.7	6.0	10.59	1.34	1990	1980
<i>750</i>	583	2539	583	13.1	20.4	7.0	581	8.0	568	307	3.2	6.0	13.98	1.38	1988	1977
<i>700</i>	583	3119	583	9.9	18.2	3.0	578	4.0	568	303	2.8	5.9	15.56	1.38	1988	1978
<i>650</i>	574	3730	574	6.7	14.6	0.0	567	-0.3	550	295	2.5	5.8	17.98	1.30	1988	1973
<i>600</i>	570	4384	570	3.2	11.8	-3.0	551	-4.2	543	282	1.7	5.8	21.32	1.27	1990	1978
<i>550</i>	565	5083	565	-0.5	8.0	-7.0	536	-8.8	533	266	1.0	5.9	25.10	1.29	1990	1978
<i>500</i>	560	5842	558	-4.6	2.0	-12.0	514	-14.0	531	109	0.2	5.8	27.15	1.31	1987	1976
<i>450</i>	552	6662	550	-9.3	-2.5	-19.0	475	-18.9	516	094	1.5	5.7	31.19	1.38	1990	1977
<i>400</i>	547	7568	546	-14.7	-7.9	-23.0	446	-25.0	513	095	3.2	6.3	35.21	1.54	1990	1975
<i>350</i>	539	8567	539	-21.3	-14.3	-29.0	366	-31.7	499	095	5.2	7.2	39.40	1.60	1989	1977
<i>300</i>	529	9693	529	-29.4	-21.7	-38.1	311	-40.1	492	096	7.3	8.7	45.62	1.75	1990	1981
<i>250</i>	518	10970	517	-39.4	-31.9	-50.0	169	-49.0	476	095	10.6	11.4	54.68	1.99	1990	1976
<i>200</i>	498	12462	497	-51.5	-41.3	-64.0	12	-59.3	458	092	15.5	16.2	67.87	2.29	1990	1974
<i>175</i>	469	13319	468	-58.6	-47.9	-75.0	1	-67.9	425	088	18.6	19.3	75.70	2.46	1990	1976
<i>150</i>	453	14272	453	-66.4	-55.5	-77.0			413	086	21.9	22.6	83.79	2.33	1990	1976
<i>125</i>	409	15355	409	-73.6	-63.5	-87.0			370	087	25.3	25.9	95.56	2.44	1990	1971
<i>100</i>	372	16648	371	-77.5	-67.1	-90.0			334	089	24.5	24.9	112.20	2.58	1983	1978
<i>80</i>	304	17957	303	-70.8	-56.0	-82.0			258	089	17.5	18.0	128.09	2.83	1976	1975
<i>70</i>	270	18781	269	-66.7	-55.1	-77.0			229	092	15.0	15.5	148.69	2.75	1987	1977
<i>60</i>	232	19714	232	-63.0	-53.9	-75.0			190	088	12.3	13.1	154.15	2.58	1989	1972
<i>50</i>	204	20861	204	-58.8	-48.5	-74.0			160	086	12.5	13.5	177.58	3.32	1984	1972
<i>40</i>	149	22282	149	-54.6	-45.1	-63.9			105	086	13.5	14.2	191.19	3.51	1981	1987
<i>30</i>	116	24138	116	-50.7	-42.5	-63.0			75	089	16.8	17.3	189.44	4.50	1982	1974
<i>25</i>	87	25317	87	-48.9	-41.7	-59.0			56	088	20.3	20.7	153.85	3.31	1985	1977
<i>20</i>	73	26805	73	-46.7	-38.9	-56.5			45	093	23.1	23.7	127.18	1.94	1988	1985
<i>15</i>	47	28699	47	-44.7	-37.5	-55.5			21	093	27.2	27.6	172.70	2.17	1988	1985
<i>10</i>	30	31344	30	-43.0	-34.7	-54.1			18	096	26.6	27.0	209.85	2.59	1990	1985
<i>7</i>	16	33739	16	-41.4	-32.7	-52.9			10	091	29.3	29.8			1986	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

567 556 498

346 106 1631 -79.4

NORMALS OF RADIOSONDE DATA

43279 MADRAS

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	619	1007	619	25.2	28.4	17.0	619	23.4	619	304	1.2	3.3	1.07	0.23	1988	1978
1000	588	76	585	25.1	30.2	20.4	584	23.2	568	303	1.3	3.7	9.28	0.32	1979	1980
950	588	521	588	24.2	33.0	17.0	588	20.2	572	299	0.8	5.7	10.45	0.88	1981	1980
900	588	997	588	21.5	31.2	12.0	588	16.4	572	020	1.0	5.0	10.09	1.04	1981	1975
850	588	1490	588	18.7	27.8	12.0	587	12.7	572	024	2.1	6.1	10.87	1.08	1981	1973
800	588	2008	588	15.7	23.8	7.0	587	9.4	571	024	2.6	6.1	12.32	1.13	1981	1975
750	588	2550	588	12.7	21.4	6.0	585	6.0	571	023	2.5	6.1	14.07	1.02	1981	1973
700	588	3128	588	9.6	18.8	1.0	575	2.3	571	023	1.7	5.6	15.64	1.07	1981	1975
650	587	3740	587	6.5	15.2	0.0	560	-1.7	564	044	1.1	5.3	18.02	1.04	1981	1973
600	584	4392	583	3.2	11.2	-6.0	536	-5.6	558	075	1.1	5.3	19.33	1.12	1990	1974
550	577	5093	577	-0.4	7.8	-9.0	501	-9.4	552	095	1.5	5.3	22.00	1.19	1990	1976
500	575	5851	574	-4.5	3.0	-12.0	484	-14.2	551	095	2.1	5.5	23.91	1.32	1990	1976
450	566	6672	565	-9.2	-2.0	-18.0	435	-19.2	540	092	2.8	5.8	28.04	1.41	1987	1974
400	558	7578	557	-14.6	-7.5	-25.0	397	-25.6	530	096	3.2	6.0	31.66	1.61	1987	1974
350	551	8576	551	-21.3	-14.0	-30.0	314	-31.7	520	097	3.7	6.2	37.66	1.65	1973	1974
300	541	9702	541	-29.4	-21.3	-39.0	253	-39.7	511	102	4.2	6.4	43.90	1.84	1984	1977
250	521	10978	521	-39.6	-30.1	-52.0	154	-49.9	489	106	5.6	7.7	52.56	1.91	1984	1977
200	507	12468	505	-51.9	-40.9	-63.1	15	-58.5	474	107	8.0	10.3	64.31	2.20	1984	1980
175	467	13324	467	-58.9	-49.1	-70.0	1	-64.5	432	105	9.7	12.1	72.72	2.33	1984	1977
150	443	14278	443	-66.6	-58.1	-79.0			412	104	11.6	13.8	84.54	2.41	1984	1977
125	390	15365	390	-73.8	-65.0	-83.1			360	105	13.0	14.7	97.66	2.54	1972	1981
100	354	16655	354	-78.4	-68.7	-89.0			328	099	12.4	13.6	111.99	2.26	1983	1977
80	286	17946	286	-72.9	-60.3	-84.0			253	095	9.7	10.7	124.81	2.68	1982	1977
70	256	18761	256	-68.8	-55.7	-82.0			230	092	8.1	9.5	144.71	2.76	1988	1977
60	225	19685	225	-64.5	-53.1	-80.0			195	088	7.6	9.0	151.33	2.81	1988	1977
50	195	20838	195	-59.3	-49.5	-70.0			167	088	8.6	10.0	165.13	3.10	1985	1984
40	150	22278	150	-55.1	-44.5	-65.5			117	086	10.7	12.0	209.21	2.96	1987	1984
30	122	24155	122	-49.9	-40.1	-61.1			95	092	14.3	15.7	213.72	2.58	1982	1984
25	100	25352	100	-47.5	-39.5	-57.9			71	091	15.2	16.8	224.39	2.62	1982	1985
20	86	26848	86	-44.8	-36.5	-56.3			60	091	17.7	18.7	177.67	2.10	1982	1985
15	59	28772	59	-43.4	-35.5	-54.3			30	088	19.6	20.4	147.97	2.93	1981	1985
10	49	31501	49	-40.1	-33.5	-51.7			21	095	22.4	23.4	129.94	1.60	1984	1985
7	25	33831	25	-38.7	-33.1	-49.1			7	091	30.9	31.6	114.44	2.56	1984	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

579 555 501 321 103 1647 -80.1

NORMALS OF RADIOSONDE DATA

43279 MADRAS

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	1009	599	23.4	28.0	18.4	599	21.8	599	013	3.1	4.6	1.00	0.67	1978	1988
<i>1000</i>	570	92	570	23.4	27.0	19.2	570	21.5	556	013	3.7	5.3	8.72	0.69	1978	1988
<i>950</i>	570	535	570	22.7	29.2	16.0	570	18.6	556	033	5.2	7.6	8.58	0.92	1990	1971
<i>900</i>	570	1008	570	19.9	27.2	11.0	569	14.8	556	044	5.5	8.0	8.49	1.17	1986	1973
<i>850</i>	569	1499	569	17.2	25.0	10.0	563	10.9	555	048	5.3	7.8	9.07	1.16	1981	1971
<i>800</i>	569	2014	569	14.6	24.0	6.0	548	7.1	555	053	4.4	7.4	10.09	1.12	1974	1974
<i>750</i>	569	2554	569	12.1	19.4	3.0	525	3.6	552	060	3.8	6.8	11.89	1.05	1980	1974
<i>700</i>	568	3132	568	9.6	16.4	1.0	505	-0.4	551	067	3.2	6.3	12.51	0.88	1979	1971
<i>650</i>	562	3742	562	6.7	13.0	0.8	474	-4.3	543	076	3.1	6.2	14.37	0.78	1987	1987
<i>600</i>	558	4396	558	3.4	9.2	-3.0	446	-7.9	535	079	3.2	6.2	15.29	0.89	1987	1977
<i>550</i>	549	5096	549	-0.3	5.2	-7.0	402	-11.6	530	082	3.5	6.5	17.61	0.98	1987	1976
<i>500</i>	545	5854	545	-4.6	1.2	-12.0	383	-16.7	526	079	3.9	7.0	18.66	1.11	1987	1976
<i>450</i>	538	6674	538	-9.4	-2.1	-17.0	338	-21.3	517	074	3.8	7.2	22.84	1.28	1987	1976
<i>400</i>	530	7579	529	-14.9	-7.9	-23.0	317	-27.5	510	077	3.3	7.4	25.87	1.47	1987	1976
<i>350</i>	520	8576	519	-21.6	-13.9	-29.0	273	-33.9	501	085	2.1	6.8	32.11	1.62	1990	1977
<i>300</i>	513	9699	513	-29.8	-21.3	-38.1	244	-41.7	495	133	1.6	6.8	38.37	1.80	1985	1980
<i>250</i>	502	10973	502	-40.1	-29.7	-50.0	139	-50.9	478	156	3.6	7.9	48.20	1.99	1979	1976
<i>200</i>	491	12458	491	-52.4	-40.1	-66.0	6	-57.6	464	156	6.0	10.2	61.62	2.09	1985	1976
<i>175</i>	452	13311	452	-59.2	-48.1	-72.0	1	-64.7	426	153	6.3	10.9	68.25	2.07	1990	1976
<i>150</i>	434	14261	434	-66.9	-54.7	-78.0			410	149	6.3	10.8	76.41	2.08	1990	1976
<i>125</i>	395	15343	395	-73.8	-64.5	-86.0			370	135	5.1	10.1	85.78	2.21	1980	1976
<i>100</i>	364	16631	364	-79.1	-70.1	-88.0			340	105	5.1	8.2	96.86	2.01	1986	1977
<i>80</i>	298	17920	298	-75.4	-65.1	-90.0			272	096	4.9	7.2	120.08	3.48	1981	1977
<i>70</i>	271	18728	271	-71.4	-60.1	-88.0			240	092	4.2	6.8	136.37	3.84	1989	1977
<i>60</i>	235	19639	235	-66.6	-55.1	-84.0			200	099	2.8	6.1	150.81	4.16	1987	1977
<i>50</i>	208	20770	208	-61.0	-49.9	-76.0			178	083	4.2	7.8	179.63	4.48	1987	1977
<i>40</i>	168	22201	168	-56.1	-41.1	-66.0			136	094	6.7	10.4	192.56	3.89	1985	1977
<i>30</i>	131	24065	131	-51.1	-37.7	-60.1			103	095	10.1	14.3	252.37	3.45	1987	1979
<i>25</i>	105	25256	105	-48.9	-35.9	-56.1			83	094	11.1	15.4	111.23	2.45	1982	1979
<i>20</i>	85	26750	85	-46.1	-37.5	-55.9			63	091	11.1	16.1	102.35	1.53	1982	1984
<i>15</i>	56	28652	56	-44.3	-35.3	-53.1			28	093	10.3	17.1	118.92	2.08	1987	1984
<i>10</i>	33	31286	33	-42.2	-31.9	-49.5			17	100	8.1	16.7	199.91	2.43	1986	1985
<i>7</i>	20	33675	20	-39.9	-27.1	-47.9			5	079	7.4	14.2			1986	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
556	554	502					331	100	1662	-80.7

NORMALS OF RADIOSONDE DATA

43279 MADRAS

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1011	620	22.2	27.0	17.4	620	20.5	620	022	4.1	4.8	0.92	0.78	1972	1981
<i>1000</i>	598	111	598	22.2	27.6	17.0	598	20.2	585	025	5.1	5.8	7.77	0.78	1990	1971
<i>950</i>	598	553	598	21.3	30.2	13.0	598	17.9	585	045	6.9	7.7	8.99	1.27	1990	1971
<i>900</i>	598	1023	598	18.4	27.4	10.0	596	14.1	585	055	7.1	8.1	9.57	1.34	1990	1971
<i>850</i>	598	1511	597	15.9	24.2	9.0	592	9.2	585	061	6.4	7.5	10.77	1.24	1987	1971
<i>800</i>	598	2025	598	13.9	22.0	6.0	557	4.2	584	068	5.6	7.0	11.53	1.08	1987	1974
<i>750</i>	598	2563	598	11.9	19.2	3.0	493	0.3	584	075	4.7	6.5	12.60	1.13	1989	1975
<i>700</i>	598	3141	598	9.6	16.8	3.0	454	-4.1	583	078	4.1	6.2	13.11	1.09	1990	1973
<i>650</i>	590	3752	589	6.7	16.0	-5.0	389	-7.5	567	080	3.3	5.7	15.45	1.03	1978	1971
<i>600</i>	587	4406	587	3.1	10.6	-4.0	366	-11.7	562	080	3.1	5.9	15.97	1.10	1990	1972
<i>550</i>	582	5104	581	-0.8	6.8	-12.0	332	-15.3	556	078	2.9	6.3	19.79	1.17	1990	1972
<i>500</i>	581	5861	580	-5.1	3.0	-13.0	314	-19.4	555	076	2.7	6.6	20.97	1.26	1990	1977
<i>450</i>	559	6679	567	-10.0	-2.9	-18.0	275	-24.3	543	067	1.8	7.2	25.64	1.37	1990	1977
<i>400</i>	555	7581	564	-15.7	-7.3	-24.0	253	-29.9	539	002	0.6	7.5	29.38	1.64	1990	1977
<i>350</i>	554	8575	554	-22.5	-14.9	-30.0	208	-36.1	521	282	1.9	8.3	36.30	1.71	1982	1977
<i>300</i>	547	9695	547	-30.8	-23.3	-36.0	189	-43.2	515	251	4.2	9.9	42.16	1.86	1989	1977
<i>250</i>	534	10965	534	-40.8	-31.0	-49.0	106	-51.3	498	227	6.7	11.8	49.46	1.77	1972	1977
<i>200</i>	518	12447	518	-52.8	-44.1	-61.1	4	-58.6	479	221	8.9	14.0	60.14	1.85	1989	1981
<i>175</i>	483	13297	483	-59.6	-51.1	-68.5	1	-64.3	442	221	9.6	14.4	66.61	1.98	1981	1983
<i>150</i>	454	14248	454	-66.7	-57.7	-75.0			416	230	8.9	13.5	76.52	1.95	1985	1973
<i>125</i>	394	15328	394	-73.3	-65.1	-83.0			364	239	6.8	11.3	86.58	2.31	1980	1971
<i>100</i>	363	16619	363	-79.2	-64.7	-92.0			335	241	1.9	8.5	103.22	2.09	1984	1974
<i>80</i>	309	17896	309	-76.8	-63.0	-90.1			272	104	2.4	7.1	112.80	3.04	1971	1981
<i>70</i>	277	18597	277	-72.8	-56.5	-87.0			250	093	2.3	6.3	133.21	3.34	1990	1977
<i>60</i>	235	19607	235	-67.5	-54.1	-81.0			207	102	1.7	5.8	136.82	3.07	1980	1977
<i>50</i>	213	20721	213	-61.5	-45.5	-76.0			188	093	1.2	6.9	167.33	3.58	1980	1976
<i>40</i>	163	22129	163	-56.6	-42.9	-68.5			135	100	3.4	9.0	175.98	3.34	1980	1983
<i>30</i>	138	23980	138	-51.3	-40.1	-63.9			109	094	7.4	12.3	203.70	2.78	1980	1983
<i>25</i>	104	25163	104	-48.9	-36.9	-60.3			78	085	9.0	13.4	232.39	3.56	1986	1983
<i>20</i>	81	26621	81	-46.7	-37.5	-57.5			56	087	9.1	15.1	157.04	2.53	1988	1983
<i>15</i>	48	28549	48	-45.1	-37.3	-55.1			27	076	5.8	13.9	179.94	2.73	1987	1983
<i>10</i>	34	31233	34	-42.7	-36.1	-51.5			21	071	1.7	13.6	186.96	2.56	1984	1983
<i>7</i>	27	33619	27	-40.5	-32.7	-48.3			11	099	1.2	10.8	144.06	2.54	1984	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
584	559	496					323	096	1682	-81.1

NORMALS OF RADIOSONDE DATA

43192 GOA

JANUARY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	588	1005	588	20.8	25.0	17.0	588	18.1	588	056	2.5	3.9	0.79	0.68	1975	1972
<i>1000</i>	532	100	532	21.3	26.0	13.0	529	17.2	512	063	2.9	4.5	6.19	0.74	1975	1976
<i>950</i>	532	533	532	22.7	29.2	14.0	518	9.7	512	065	3.3	5.6	19.24	1.15	1990	1976
<i>900</i>	532	1014	532	20.2	32.0	11.8	512	5.9	512	080	3.0	5.9	7.90	1.38	1990	1981
<i>850</i>	532	1504	531	16.9	28.0	8.0	500	3.3	512	104	3.1	5.5	9.39	1.40	1990	1973
<i>800</i>	532	2017	531	13.4	23.2	2.0	466	0.3	513	116	3.0	5.3	11.12	1.50	1990	1972
<i>750</i>	532	2553	531	10.7	21.0	2.2	358	-4.3	514	121	2.1	5.3	15.52	1.67	1990	1986
<i>700</i>	532	3128	532	8.5	19.6	2.0	216	-9.4	515	310	0.2	5.7	16.02	1.61	1980	1975
<i>650</i>	520	3738	518	5.6	16.0	-7.5	114	-13.6	501	299	2.0	6.5	18.29	1.38	1980	1983
<i>600</i>	514	4388	512	2.1	11.6	-6.0	73	-16.1	490	295	3.0	7.4	20.83	1.37	1980	1974
<i>550</i>	500	5084	498	-1.9	5.6	-10.0	56	-18.1	482	288	4.1	7.9	27.13	1.28	1980	1975
<i>500</i>	495	5836	493	-6.6	4.4	-14.0	40	-21.3	478	284	5.3	8.9	27.09	1.50	1984	1975
<i>450</i>	491	6649	488	-11.6	-0.1	-19.1	27	-26.3	472	282	7.4	10.8	34.24	1.76	1989	1979
<i>400</i>	485	7547	481	-17.3	-6.1	-26.3	22	-31.2	466	280	9.7	12.7	37.90	1.99	1990	1982
<i>350</i>	473	8535	471	-24.0	-12.1	-34.5	16	-35.5	452	275	12.5	15.3	43.71	2.18	1990	1982
<i>300</i>	459	9648	459	-31.9	-22.1	-41.0	9	-42.9	438	268	14.2	17.1	54.29	2.27	1990	1972
<i>250</i>	446	10911	446	-41.9	-28.0	-52.1			422	260	15.6	18.4	64.17	2.32	1973	1985
<i>200</i>	422	12386	421	-53.7	-44.1	-65.1			388	255	15.5	18.6	80.48	2.27	1990	1984
<i>175</i>	376	13243	376	-60.1	-50.3	-71.5			325	254	14.7	18.0	82.51	2.31	1990	1984
<i>150</i>	333	14196	333	-66.8	-56.1	-75.0			281	251	13.0	16.3	90.39	2.05	1990	1977
<i>125</i>	290	15279	290	-73.2	-61.9	-82.1			229	255	9.4	13.5	93.64	1.74	1990	1984
<i>100</i>	228	16561	228	-78.0	-64.1	-87.7			171	259	5.1	10.3	98.95	1.73	1981	1981
<i>80</i>	179	17844	179	-76.4	-63.3	-87.0			122	248	2.1	7.5	119.76	2.80	1981	1977
<i>70</i>	155	18619	155	-72.9	-56.3	-84.0			107	225	1.8	7.1	125.52	2.71	1981	1977
<i>60</i>	130	19532	129	-67.7	-52.3	-81.0			84	263	1.3	6.5	141.32	3.31	1981	1977
<i>50</i>	103	20642	103	-62.4	-48.1	-77.3			67	018	0.4	6.8	161.94	4.14	1981	1988
<i>40</i>	68	22033	68	-57.5	-47.1	-69.3			34	093	1.9	7.3	165.97	4.02	1980	1988
<i>30</i>	39	23860	39	-54.2	-45.9	-64.1			19	082	8.8	11.1	183.03	3.79	1980	1984
<i>25</i>	21	25066	21	-52.6	-41.0	-63.0			9	096	10.3	11.1	211.65	5.87	1978	1973
<i>20</i>	9	26499	9	-51.4	-45.5	-58.9			4	087	10.5	14.8			1984	1982
<i>15</i>	3	28411	3	-48.4	-43.1	-56.1									1984	1989
<i>10</i>	1	30474	1	-54.7	-54.7	-54.7									1989	1989

7

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
513	574	475					169	100	1660	-78.9

NORMALS OF RADIOSONDE DATA

43192 GOA

FEBRUARY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	535	1004	535	21.6	30.0	18.0	535	18.9	534	018	2.7	4.1	1.12	0.75	1977	1972
1000	494	92	481	22.0	29.6	17.0	479	18.0	467	019	2.8	4.4	9.64	0.73	1990	1972
950	494	526	494	22.9	31.8	15.0	486	10.5	479	009	3.6	5.9	18.50	1.66	1981	1973
900	494	1007	493	21.4	30.6	11.0	470	5.1	480	359	2.6	6.2	10.49	1.81	1980	1972
850	494	1498	493	18.7	29.8	8.0	463	2.2	481	083	0.3	6.1	11.62	1.51	1990	1986
800	494	2015	494	14.9	26.0	6.4	449	0.4	482	143	2.4	5.9	12.17	1.38	1990	1986
750	494	2552	494	10.9	22.4	3.0	421	-2.5	483	145	2.6	6.0	15.44	1.42	1990	1986
700	494	3126	494	7.5	19.0	-1.9	325	-6.6	483	174	1.4	5.9	16.18	1.71	1990	1986
650	481	3735	480	4.6	18.0	-8.9	216	-11.6	468	266	2.2	6.4	18.96	1.72	1972	1983
600	478	4381	474	1.5	12.2	-8.9	112	-15.7	462	279	4.4	7.9	20.81	1.65	1990	1986
550	468	5075	465	-2.4	9.4	-13.1	67	-19.4	456	282	6.0	9.1	25.23	1.60	1990	1986
500	465	5827	461	-6.8	4.6	-17.5	47	-23.3	451	279	7.3	10.2	27.80	1.54	1990	1986
450	455	6640	452	-11.8	-1.3	-22.5	26	-25.8	443	277	9.2	12.2	32.68	1.47	1990	1986
400	451	7538	447	-17.3	-5.1	-24.0	17	-30.6	438	274	11.4	14.4	34.75	1.59	1990	1972
350	438	8528	436	-23.9	-12.1	-34.0	6	-37.5	425	273	14.0	16.5	39.15	1.73	1990	1977
300	424	9638	424	-31.8	-20.7	-41.0	3	-39.6	412	267	16.3	18.7	46.32	2.00	1990	1974
250	410	10905	410	-41.6	-29.1	-52.3			390	263	16.6	19.2	55.49	2.15	1990	1982
200	389	12379	389	-53.4	-41.1	-66.7			366	262	15.7	19.2	71.23	2.29	1990	1982
175	342	13235	342	-59.9	-47.7	-76.1			307	263	14.7	18.4	82.76	2.55	1990	1982
150	304	14180	304	-66.8	-55.9	-82.1			259	259	12.2	16.5	96.54	2.28	1990	1982
125	263	15269	263	-73.0	-61.7	-89.1			212	261	9.1	13.3	105.87	2.65	1990	1982
100	217	16559	217	-78.0	-68.3	-86.7			171	264	5.4	9.9	122.68	2.37	1981	1979
80	177	17837	177	-76.9	-60.5	-89.3			130	267	4.4	7.8	146.19	2.92	1980	1983
70	142	18607	142	-74.0	-58.0	-87.3			95	261	4.2	7.2	166.14	3.97	1977	1979
60	115	19522	115	-69.8	-56.5	-80.1			74	269	4.1	7.0	181.07	3.78	1980	1984
50	91	20625	91	-64.4	-50.3	-77.0			52	284	2.2	6.8	193.05	4.49	1983	1977
40	63	21985	63	-60.1	-47.0	-74.0			27	344	0.7	5.7	188.95	4.95	1978	1974
30	43	23788	43	-57.2	-46.7	-70.0			17	103	5.3	10.9	209.63	5.14	1983	1974
25	32	24909	32	-56.1	-50.0	-68.0			8	102	6.1	13.6	219.16	4.61	1978	1974
20	20	26322	20	-54.3	-49.3	-61.3			4	093	13.5	14.0			1984	1984
15	6	28156	6	-53.0	-46.9	-59.9			3	096	13.8	14.0			1984	1984
10	3	30780	3	-49.4	-44.9	-52.9									1984	1984
7	2	33090	2	-50.6	-49.1	-52.1									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

466 581 456

151 097 1679 -79.2

NORMALS OF RADIOSONDE DATA

43192 GOA

MARCH 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	1003	589	23.8	28.2	18.8	589	21.3	589	005	1.9	3.2	0.76	0.94	1984	1983
1000	520	84	513	23.9	29.0	17.0	512	20.8	485	005	1.8	3.5	6.18	1.02	1980	1974
950	519	519	519	23.6	32.0	16.4	517	13.7	491	357	3.1	5.5	17.63	0.93	1973	1986
900	519	1001	518	23.0	33.8	16.0	505	5.1	490	346	3.8	6.4	6.26	0.77	1990	1973
850	519	1496	518	20.9	31.6	11.0	499	2.2	495	345	2.7	6.5	7.49	0.76	1990	1986
800	519	2016	519	17.2	28.0	9.6	494	0.6	493	093	1.0	5.7	9.16	0.77	1990	1986
750	519	2556	519	12.8	23.8	2.0	481	-1.2	494	125	3.0	5.8	14.01	0.91	1990	1975
700	518	3136	517	8.3	17.4	-3.1	466	-3.8	494	123	3.4	6.0	11.52	1.00	1990	1986
650	513	3744	512	4.1	14.0	-4.0	408	-7.8	484	113	2.3	6.0	14.26	1.27	1973	1978
600	495	4389	494	1.1	12.0	-6.9	247	-13.2	463	011	0.5	6.2	13.28	1.40	1973	1986
550	490	5083	489	-2.5	8.0	-12.0	128	-17.1	462	301	2.5	7.0	20.58	1.52	1988	1976
500	485	5834	483	-6.7	3.0	-14.5	62	-20.9	460	295	4.2	8.1	20.22	1.56	1988	1986
450	478	6647	476	-11.7	7.6	-20.0	43	-25.6	449	290	6.0	9.6	26.88	1.88	1980	1976
400	483	7543	482	-17.6	-9.5	-25.0	28	-30.2	455	285	8.3	11.7	30.66	1.89	1980	1974
350	476	8532	476	-24.1	-14.9	-39.0	22	-34.9	447	278	11.4	14.6	35.34	2.05	1990	1974
300	463	9641	462	-31.9	-22.3	-39.7	14	-40.7	435	273	14.1	17.2	43.81	1.96	1980	1986
250	435	10905	434	-41.4	-31.7	-51.5	1	-42.5	408	266	15.7	19.0	53.48	2.09	1980	1986
200	411	12384	410	-53.0	-42.5	-64.9			379	263	15.1	18.4	66.96	2.14	1980	1986
175	357	13237	357	-59.3	-48.5	-73.5			322	261	14.5	17.7	75.39	2.30	1980	1986
150	326	14188	326	-66.0	-54.7	-80.9			293	263	12.7	15.8	82.19	2.48	1980	1986
125	280	15273	279	-72.7	-61.0	-84.7			242	262	9.6	13.1	90.52	2.73	1977	1986
100	236	16567	236	-77.8	-55.9	-87.5			193	267	5.2	9.2	112.47	2.87	1987	1982
80	187	17836	187	-77.6	-62.7	-88.1			141	284	2.3	7.0	127.15	3.57	1981	1982
70	161	18606	161	-74.5	-58.1	-85.7			116	275	1.9	6.5	131.62	4.03	1983	1979
60	139	19513	139	-69.6	-54.3	-84.5			100	261	2.5	6.5	171.52	4.78	1990	1979
50	119	20605	119	-64.1	-51.1	-75.0			85	264	2.1	6.8	181.54	3.76	1981	1972
40	93	21987	92	-59.1	-49.3	-73.0			64	072	0.8	7.3	171.20	3.16	1982	1972
30	50	23806	50	-54.1	-45.9	-64.3			28	089	8.2	11.1	194.61	3.46	1984	1984
25	29	24992	29	-52.1	-42.5	-62.3			15	085	12.4	13.7	195.30	2.98	1984	1984
20	14	26403	14	-51.3	-45.5	-60.1			5	080	11.5	14.2			1989	1984
15	4	28027	4	-53.3	-50.5	-58.1									1984	1984
10	2	30593	2	-53.5	-49.9	-57.1									1984	1984
7	1	32807	1	-56.1	-56.1	-56.1									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

508 587 458

172 096 1681 -80.2

NORMALS OF RADIOSONDE DATA

43192 GOA

APRIL 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	570	1001	570	26.0	30.0	22.2	569	22.8	570	348	1.9	3.1	0.76	0.84	1972	1990
1000	516	71	424	25.9	30.0	22.0	424	22.6	398	349	2.0	3.4	5.66	0.82	1972	1986
950	516	507	516	24.1	33.0	17.0	513	18.8	474	343	2.9	5.0	19.26	0.89	1978	1975
900	516	990	515	23.2	32.6	15.0	512	9.9	474	337	3.9	5.9	6.55	0.80	1989	1975
850	516	1487	516	22.3	31.0	14.0	508	3.9	477	335	4.1	6.6	7.25	1.04	1973	1978
800	516	2010	516	19.2	27.0	11.0	499	1.8	476	348	2.3	6.1	8.77	1.17	1973	1974
750	515	2554	514	14.8	22.6	6.0	496	1.0	476	083	1.8	5.4	12.58	1.10	1989	1974
700	515	3137	514	10.1	21.0	1.0	496	-1.1	479	106	3.5	5.7	12.36	1.16	1986	1974
650	510	3749	509	5.2	16.8	-4.1	475	-4.5	465	101	4.1	6.3	14.89	1.20	1986	1983
600	502	4396	500	1.1	10.8	-7.0	423	-9.6	455	086	3.5	6.2	17.86	1.35	1986	1975
550	497	5091	496	-2.5	5.6	-10.0	296	-14.4	449	050	1.5	5.9	21.12	1.31	1990	1978
500	491	5842	490	-6.3	2.0	-14.5	169	-19.6	447	323	1.4	6.7	23.46	1.47	1981	1982
450	478	6659	477	-11.1	-1.9	-18.7	106	-25.2	434	298	2.9	7.7	27.80	1.53	1981	1980
400	465	7557	465	-16.9	-7.9	-25.3	77	-30.8	423	284	4.7	9.2	31.38	1.53	1981	1988
350	452	8548	451	-23.6	-13.7	-33.9	48	-35.8	409	277	6.7	11.0	34.23	1.58	1990	1988
300	436	9661	434	-31.4	-21.5	-44.7	15	-41.2	394	269	9.6	13.3	43.27	1.77	1990	1986
250	419	10926	419	-41.1	-30.0	-55.1	2	-43.4	375	261	11.3	14.9	52.95	1.99	1973	1986
200	400	12410	400	-52.4	-41.7	-67.7			357	251	12.8	15.6	66.72	2.25	1990	1986
175	362	13264	362	-58.9	-45.1	-72.5			320	248	12.3	15.2	77.75	2.36	1990	1986
150	337	14222	337	-65.5	-55.3	-76.9			294	249	10.3	13.5	84.79	2.66	1990	1986
125	285	15312	285	-72.0	-60.1	-88.3			252	253	6.9	11.1	97.93	2.64	1980	1986
100	239	16603	239	-77.8	-64.3	-88.7			209	241	1.5	9.5	115.06	2.98	1981	1984
80	182	17872	182	-76.8	-56.1	-88.0			148	098	1.6	8.2	125.48	3.35	1981	1978
70	161	18644	161	-73.3	-52.7	-86.1			130	095	1.0	7.2	129.29	3.70	1981	1984
60	131	19562	131	-67.7	-51.1	-79.1			101	196	0.8	6.6	137.39	3.54	1981	1984
50	104	20658	104	-61.7	-46.5	-74.0			80	342	0.6	7.0	126.19	4.03	1981	1972
40	70	22061	70	-56.8	-43.1	-68.7			46	084	4.2	8.4	158.50	3.61	1981	1984
30	38	23894	38	-52.7	-40.3	-61.3			17	102	5.1	10.2	171.17	3.83	1981	1984
25	30	25080	30	-50.2	-40.3	-60.3			9	087	12.1	13.2	220.71	3.64	1981	1984
20	16	26454	16	-49.6	-41.1	-59.1			3	062	15.6	15.7			1989	1984
15	8	28380	8	-47.8	-43.1	-53.5			1	101	7.0	7.0			1989	1982
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
500	583	465					170	097	1680	-79.4

NORMALS OF RADIOSONDE DATA

43192 GOA

MAY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	586	1000	589	27.1	31.2	23.0	589	23.9	589	319	2.5	3.8	1.03	0.61	1985	1974
1000	525	60	260	26.7	30.0	23.0	260	23.4	235	323	2.7	3.8	7.44	0.73	1977	1974
950	525	498	524	24.5	32.4	17.0	523	20.7	480	321	3.9	5.6	18.57	1.03	1989	1974
900	525	981	523	22.0	30.0	15.6	522	16.0	482	314	4.5	6.3	7.01	1.09	1989	1979
850	525	1476	522	20.9	29.8	12.4	519	8.7	485	319	4.8	7.2	7.12	1.18	1988	1985
800	525	1998	523	18.9	28.8	11.0	513	3.8	485	332	3.5	7.0	8.00	1.53	1988	1975
750	525	2545	523	15.2	24.6	6.0	505	1.8	485	019	1.8	6.1	11.07	1.63	1988	1974
700	525	3128	525	10.8	18.6	2.8	497	0.0	484	080	2.7	6.1	11.21	1.53	1988	1985
650	519	3742	517	6.1	14.8	-5.1	473	-2.6	476	089	3.6	6.4	13.28	1.59	1990	1983
600	513	4390	510	1.7	10.6	-8.5	436	-6.3	469	087	4.2	6.9	16.73	1.43	1989	1989
550	507	5087	504	-2.0	9.0	-10.9	375	-11.9	466	070	3.5	6.5	21.60	1.39	1978	1988
500	498	5839	497	-5.8	2.0	-16.0	276	-16.6	460	047	3.1	6.8	21.86	1.62	1990	1974
450	491	6658	489	-10.2	-1.9	-19.0	174	-21.3	454	029	3.1	7.6	26.75	1.77	1990	1974
400	481	7560	481	-15.5	-6.0	-24.0	123	-25.6	445	007	2.5	7.9	30.66	1.92	1978	1975
350	469	8556	468	-21.9	-12.7	-32.1	94	-31.5	438	334	1.7	7.9	37.78	1.96	1989	1985
300	453	9678	453	-29.6	-20.3	-39.1	62	-38.4	425	272	2.1	8.4	46.14	2.15	1990	1988
250	431	10957	430	-39.2	-28.5	-50.5	13	-45.1	406	235	3.2	9.3	56.49	2.19	1982	1987
200	415	12446	415	-51.4	-41.1	-64.0			392	207	4.3	10.2	70.55	2.31	1989	1976
175	375	13306	375	-58.0	-47.9	-70.1			353	192	4.5	10.8	84.45	2.30	1989	1987
150	343	14263	343	-65.3	-54.7	-77.9			326	167	4.5	10.7	88.43	2.33	1980	1988
125	287	15355	281	-72.3	-52.0	-87.1			268	128	5.7	11.0	102.76	2.41	1973	1988
100	234	16654	234	-77.7	-63.1	-89.7			221	106	9.4	11.8	125.12	3.17	1981	1982
80	182	17939	182	-75.9	-56.9	-87.1			163	101	9.7	11.2	136.30	3.55	1980	1982
70	152	18722	152	-71.3	-51.1	-85.0			131	096	8.2	9.4	145.89	4.01	1981	1976
60	130	19652	130	-65.2	-46.3	-79.9			109	099	7.4	9.0	154.12	3.84	1980	1982
50	111	20784	111	-59.7	-44.5	-73.0			87	086	8.2	9.5	169.42	3.14	1980	1976
40	77	22196	77	-54.9	-45.5	-65.5			50	084	12.3	13.3	221.32	3.66	1989	1983
30	43	24029	43	-50.8	-42.9	-60.3			19	091	13.3	14.0	290.51	4.06	1980	1983
25	24	25244	24	-48.1	-40.1	-59.1			8	093	13.6	14.9	294.90	4.72	1980	1983
20	14	26688	14	-46.3	-36.1	-57.9			2	028	4.3	4.5			1980	1983
15	4	28509	4	-47.0	-41.1	-55.7			1	103	3.0	3.0			1980	1983
10	1	30824	1	-53.1	-53.1	-53.1									1983	1983
7	1	33144	1	-50.1	-50.1	-50.1									1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

508 575 472

161 096 1690 -79.5

NORMALS OF RADIOSONDE DATA

43192 GOA

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	593	998	593	25.9	30.0	22.0	593	24.1	593	261	4.0	5.8	0.74	0.48	1971	1971
1000	489	47	91	26.0	29.8	22.2	91	24.0	87	277	3.3	4.7	5.49	0.98	1987	1985
950	488	481	487	24.0	30.2	18.0	487	21.6	431	267	5.8	8.0	21.65	0.90	1987	1974
900	488	967	487	21.2	27.6	14.4	487	18.7	430	269	7.7	9.6	6.14	0.96	1987	1985
850	488	1460	487	18.5	25.2	11.0	487	15.2	429	272	8.0	9.7	6.18	1.12	1987	1985
800	486	1978	486	15.8	25.0	7.0	486	11.5	428	269	7.4	9.3	7.85	1.35	1973	1974
750	485	2518	485	13.1	22.0	4.0	483	7.4	427	268	6.2	8.9	9.55	1.39	1979	1974
700	485	3101	485	10.0	16.8	2.0	480	2.8	427	267	4.9	8.6	12.02	1.33	1979	1974
650	474	3714	473	6.6	12.4	-4.0	459	-0.7	413	265	3.7	8.3	11.47	1.37	1984	1976
600	462	4366	461	3.1	10.0	-7.0	440	-4.1	400	260	2.6	7.8	17.31	1.47	1989	1974
550	440	5067	439	-0.6	6.6	-9.0	407	-7.6	384	256	1.9	6.9	21.43	1.54	1989	1976
500	417	5823	417	-4.4	3.0	-12.0	367	-11.9	364	251	1.4	6.3	23.69	1.47	1975	1974
450	410	6646	409	-8.7	-1.3	-16.1	342	-16.5	360	205	0.3	5.9	27.83	1.45	1986	1979
400	404	7553	403	-13.9	-6.7	-21.0	304	-22.1	356	085	1.2	5.5	33.76	1.57	1989	1975
350	385	8558	384	-20.3	-11.5	-28.0	253	-28.3	337	089	3.4	6.2	38.52	1.78	1989	1976
300	367	9690	366	-28.1	-17.3	-38.7	181	-36.0	325	089	5.3	7.3	45.90	1.95	1989	1985
250	345	10974	344	-38.1	-24.5	-46.1	64	-44.5	305	088	8.1	10.0	55.41	2.10	1984	1982
200	319	12471	319	-50.6	-40.9	-61.1			279	094	13.3	15.1	73.03	2.18	1981	1986
175	285	13334	285	-57.8	-47.5	-67.9			247	095	16.8	18.5	81.14	2.30	1987	1986
150	251	14291	250	-65.5	-55.1	-76.5			220	095	20.0	21.3	97.02	2.54	1987	1979
125	196	15380	194	-73.3	-62.3	-82.0			168	094	22.6	23.8	108.84	2.41	1989	1978
100	148	16661	147	-78.3	-64.1	-87.1			118	093	24.3	25.8	138.94	3.23	1980	1988
80	87	17960	87	-75.8	-60.1	-89.0			59	092	19.3	20.2	129.78	4.46	1980	1976
70	71	18748	71	-71.3	-57.1	-81.3			51	092	16.7	17.6	147.86	4.53	1980	1979
60	59	19657	59	-66.6	-53.1	-84.5			40	089	15.8	16.1	132.10	3.74	1989	1983
50	48	20779	48	-60.8	-47.9	-78.5			33	088	14.8	15.4	161.96	3.90	1981	1983
40	29	22193	29	-55.9	-48.3	-62.5			17	087	14.4	15.1	181.93	1.25	1983	1983
30	10	24044	10	-51.4	-43.5	-60.1			6	092	19.9	20.3			1983	1982
25	5	25037	5	-50.9	-45.3	-55.1			3	094	20.7	21.0			1979	1982
20	1	26414	1	-48.5	-48.5	-46.5									1982	1982
15	1	28309	1	-47.1	-47.1	-47.1									1982	1982
10	1	30988	1	-45.9	-45.9	-45.9									1982	1982
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

443 558 496

92 101 1665 -80.1

NORMALS OF RADIOSONDE DATA

43192 GOA

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	999	620	25.6	36.2	22.0	620	24.0	620	271	6.0	6.8	1.20	0.47	1990	1977
<i>1000</i>	497	52	164	25.7	28.0	22.8	164	23.7	149	273	6.0	6.5	8.86	0.82	1972	1985
<i>950</i>	497	489	497	23.7	30.2	15.0	496	21.6	428	273	8.8	9.6	21.46	0.77	1990	1971
<i>900</i>	497	971	497	20.7	27.2	13.0	496	18.6	428	275	10.5	11.0	11.55	0.89	1989	1971
<i>850</i>	497	1463	496	17.9	25.0	10.2	495	15.3	430	276	10.5	10.9	12.45	0.99	1972	1982
<i>800</i>	497	1979	497	15.0	23.4	8.4	495	12.4	427	275	9.7	10.2	13.15	1.02	1982	1982
<i>750</i>	497	2520	496	12.3	21.0	6.0	492	8.4	427	275	9.1	9.9	14.46	0.97	1982	1971
<i>700</i>	497	3098	497	9.7	19.0	3.4	488	3.3	428	278	8.6	9.6	15.72	1.01	1982	1984
<i>650</i>	485	3712	484	6.6	14.0	-5.9	473	-1.2	408	280	7.4	8.8	17.64	1.15	1989	1980
<i>600</i>	475	4364	472	3.1	10.4	-5.0	457	-4.5	395	283	5.7	7.9	20.55	1.18	1989	1976
<i>550</i>	464	5065	460	-0.5	7.8	-8.3	433	-7.7	387	285	4.2	7.0	24.13	1.24	1990	1984
<i>500</i>	456	5823	452	-4.2	3.8	-16.0	416	-12.1	385	283	2.7	6.0	25.21	1.37	1987	1974
<i>450</i>	441	6647	440	-8.7	-0.7	-20.0	402	-16.9	374	300	0.7	5.5	32.57	1.39	1989	1974
<i>400</i>	432	7554	427	-14.1	-5.3	-25.0	375	-22.3	370	078	2.0	5.6	33.28	1.50	1989	1974
<i>350</i>	418	8556	415	-20.6	-11.1	-29.0	316	-28.7	351	091	4.7	6.7	40.20	1.61	1989	1974
<i>300</i>	396	9684	394	-28.6	-17.7	-37.0	242	-36.8	340	092	8.5	9.7	47.92	1.85	1989	1975
<i>250</i>	376	10966	375	-38.8	-26.1	-48.9	69	-44.1	321	091	13.3	14.4	55.14	1.93	1989	1981
<i>200</i>	347	12458	347	-51.5	-40.5	-65.5			293	091	22.2	22.8	65.49	2.14	1989	1981
<i>175</i>	304	13317	304	-58.6	-46.5	-70.7			253	089	27.6	28.0	73.11	2.15	1989	1990
<i>150</i>	273	14271	273	-66.2	-52.9	-79.7			229	087	32.4	32.9	86.79	2.26	1989	1990
<i>125</i>	235	15348	235	-74.1	-60.7	-87.7			191	087	36.2	36.8	106.03	2.55	1981	1983
<i>100</i>	171	16635	171	-76.9	-60.5	-88.7			128	089	33.1	33.7	145.03	4.06	1989	1987
<i>80</i>	113	17944	111	-71.5	-58.1	-85.0			75	088	23.6	24.0	162.76	4.51	1981	1976
<i>70</i>	97	18738	96	-67.8	-55.3	-84.0			62	085	20.4	20.9	179.71	5.43	1980	1975
<i>60</i>	74	19684	74	-63.2	-51.7	-80.0			36	084	19.8	20.2	196.96	3.87	1980	1976
<i>50</i>	54	20818	54	-59.8	-47.7	-78.0			18	083	19.5	20.3	212.54	4.52	1989	1976
<i>40</i>	32	22229	32	-55.6	-43.9	-65.3			7	089	22.5	22.8	218.47	4.34	1980	1981
<i>30</i>	17	24071	17	-51.6	-39.1	-57.9			4	087	19.9	20.3			1980	1979
<i>25</i>	10	25296	10	-47.7	-39.1	-53.5			2	094	32.0	32.0			1980	1979
<i>20</i>	3	27279	3	-42.8	-38.9	-47.5									1980	1980
<i>15</i>	2	29352	2	-39.5	-38.9	-40.1									1980	1980
<i>10</i>	1	32053	1	-37.1	-37.1	-37.1									1980	1980
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE					
N	P	ALT	N	P	ALT	T	N	P	ALT	T		
465	556	499							122	107	1628	-79.0

NORMALS OF RADIOSONDE DATA

43192 GOA

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1000	620	25.0	27.4	22.6	620	23.7	620	278	5.5	6.0	1.00	0.32	1982	1988
1000	504	57	226	24.9	27.2	22.6	226	23.5	191	284	5.1	5.7	7.05	0.41	1983	1988
950	499	493	499	23.2	28.2	16.8	497	21.0	415	281	8.7	9.4	20.27	0.66	1990	1982
900	499	974	499	20.2	27.0	13.6	497	18.0	413	282	10.3	10.9	8.02	0.76	1982	1982
850	499	1465	499	17.3	24.4	10.2	497	14.8	415	281	10.1	10.5	8.73	0.84	1990	1982
800	500	1981	500	14.5	22.0	6.0	498	12.0	411	281	9.6	10.1	10.00	0.86	1990	1983
750	500	2521	500	11.9	19.2	3.2	498	8.2	409	280	9.3	10.0	16.59	0.93	1979	1983
700	500	3098	499	9.2	16.8	0.4	495	3.5	413	261	8.7	9.5	13.64	1.00	1990	1983
650	486	3709	483	6.1	13.2	-4.0	473	-1.1	395	285	7.5	8.6	18.04	1.02	1987	1974
600	477	4361	472	2.8	10.4	-7.0	456	-5.1	382	288	6.0	7.3	17.93	1.10	1987	1975
550	468	5062	465	-0.8	7.0	-11.0	436	-8.7	373	286	4.3	6.4	23.59	1.28	1987	1975
500	457	5818	455	-4.4	3.0	-14.0	419	-13.4	366	288	3.0	5.5	24.20	1.29	1989	1975
450	449	6640	446	-8.8	6.8	-18.0	387	-16.0	355	305	1.4	5.1	29.28	1.79	1986	1975
400	439	7548	436	-14.3	-5.9	-24.0	351	-23.2	344	057	1.2	5.2	28.98	1.66	1989	1975
350	428	8550	426	-20.8	-12.9	-28.3	306	-29.7	332	084	3.8	6.4	34.41	1.78	1989	1981
300	422	9675	421	-28.8	-19.9	-37.0	212	-36.9	329	094	7.8	8.9	41.99	1.93	1989	1975
250	404	10957	402	-38.7	-27.9	-48.0	71	-44.4	311	093	13.1	13.9	52.67	2.15	1981	1976
200	382	12449	382	-51.0	-40.5	-63.0	1	-56.1	302	091	21.2	21.7	66.86	2.31	1989	1977
175	334	13310	333	-58.1	-47.5	-68.5			261	091	25.7	26.3	78.74	2.56	1989	1987
150	288	14267	287	-65.9	-55.1	-77.5			226	089	29.6	30.3	99.42	2.94	1980	1987
125	238	15356	237	-73.8	-62.7	-85.5			180	088	32.0	32.5	107.53	3.02	1981	1985
100	184	16653	184	-76.1	-60.3	-88.0			129	093	28.4	28.8	116.85	3.21	1980	1975
80	136	17982	135	-69.9	-52.3	-83.0			80	093	20.4	20.8	139.64	3.98	1980	1978
70	103	18792	103	-66.5	-50.7	-77.9			58	086	19.9	20.3	149.41	3.52	1980	1982
60	75	19723	75	-63.3	-49.7	-73.0			39	086	19.1	19.8	160.95	3.69	1980	1972
50	55	20851	55	-58.6	-46.5	-69.0			22	085	20.2	20.7	151.68	4.06	1980	1978
40	32	22317	32	-54.5	-41.1	-64.0			5	087	18.1	18.6	226.61	5.32	1980	1978
30	16	24149	16	-51.6	-39.1	-58.9			3	099	18.3	18.6			1980	1982
25	12	25378	12	-49.4	-38.3	-55.7			1	083	12.0	12.0			1980	1984
20	6	26612	6	-50.7	-48.0	-53.7			1	089	19.0	19.0			1982	1984
15	4	28540	4	-46.6	-44.7	-50.1									1982	1983
10	2	31274	2	-43.7	-38.5	-48.9									1982	1983
7	1	33454	1	-47.9	-47.9	-47.9									1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
470	560	433					144	108	1626	-78.2

NORMALS OF RADIOSONDE DATA

43192 GOA

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1001	600	24.6	27.0	17.0	599	23.4	600	302	1.7	3.1	1.00	0.28	1972	1972
<i>1000</i>	524	68	386	24.6	29.2	22.0	385	23.3	376	315	1.9	3.2	9.18	0.37	1985	1971
<i>950</i>	524	504	522	23.1	30.8	15.6	521	21.0	505	305	3.7	6.0	19.07	0.91	1990	1984
<i>900</i>	524	985	522	20.4	28.0	12.0	519	17.7	505	301	4.8	7.1	9.57	1.02	1984	1974
<i>850</i>	524	1477	522	17.9	28.0	8.4	519	14.3	506	298	4.7	7.1	10.61	1.07	1981	1981
<i>800</i>	524	1994	521	15.1	24.0	7.4	519	10.6	507	290	3.4	6.6	11.96	1.08	1979	1984
<i>750</i>	524	2533	522	12.3	22.0	4.6	513	6.4	507	289	2.3	6.3	16.23	1.16	1988	1984
<i>700</i>	524	3113	524	9.2	18.6	1.4	509	2.0	507	293	1.5	5.9	15.16	1.34	1990	1984
<i>650</i>	512	3724	512	6.0	16.6	-1.3	482	-1.3	492	286	1.4	5.5	17.65	1.44	1990	1984
<i>600</i>	503	4375	502	2.7	14.4	-5.0	456	-5.2	478	292	1.2	5.3	20.06	1.47	1990	1973
<i>550</i>	493	5074	491	-0.7	9.4	-8.0	429	-9.1	468	300	0.8	5.1	24.98	1.62	1990	1974
<i>500</i>	486	5831	483	-4.8	4.2	-16.0	400	-13.3	460	012	0.7	4.8	25.93	1.59	1989	1975
<i>450</i>	478	6651	477	-9.3	-1.3	-19.0	378	-18.4	455	066	1.4	5.0	32.70	1.70	1988	1973
<i>400</i>	471	7559	470	-14.8	-7.1	-25.0	341	-23.6	450	080	2.6	5.3	35.51	1.68	1988	1974
<i>350</i>	459	8558	457	-21.4	-14.1	-32.0	285	-29.7	436	092	4.6	6.3	42.56	1.76	1988	1975
<i>300</i>	451	9682	450	-29.4	-19.5	-38.0	217	-36.6	429	093	7.4	8.3	47.79	1.93	1981	1971
<i>250</i>	431	10958	431	-39.6	-30.1	-49.1	59	-45.4	411	096	10.9	11.6	55.16	2.00	1989	1984
<i>200</i>	416	12447	415	-52.4	-42.5	-73.0	2	-57.4	394	097	15.6	16.4	65.27	2.00	1989	1971
<i>175</i>	362	13302	362	-59.7	-50.1	-75.3			337	097	19.1	19.9	69.06	2.14	1980	1985
<i>150</i>	325	14251	324	-67.4	-55.1	-79.5			306	096	22.2	23.0	80.84	2.31	1980	1988
<i>125</i>	274	15334	273	-74.2	-56.1	-84.7			249	098	23.9	24.6	85.33	2.86	1980	1985
<i>100</i>	201	16631	200	-75.9	-60.7	-92.5			183	095	19.1	19.7	116.41	3.99	1980	1983
<i>80</i>	139	17932	139	-70.8	-52.5	-80.1			113	091	13.9	14.5	131.52	3.93	1980	1983
<i>70</i>	111	18740	111	-67.0	-53.5	-79.0			92	085	12.6	13.3	155.52	4.04	1980	1976
<i>60</i>	87	19666	87	-63.7	-49.1	-78.7			67	088	12.5	13.1	166.11	3.60	1980	1984
<i>50</i>	66	20777	66	-60.1	-44.9	-72.1			48	083	12.7	13.3	222.25	4.92	1980	1984
<i>40</i>	51	22172	51	-57.0	-41.3	-75.3			28	082	15.6	16.0	274.78	7.02	1980	1983
<i>30</i>	22	23931	22	-54.0	-41.3	-68.7			10	086	14.1	14.4	342.55	7.39	1980	1984
<i>25</i>	10	25088	10	-53.5	-47.1	-67.1			2	087	16.5	16.5			1982	1984
<i>20</i>	4	26380	4	-54.8	-42.5	-64.9									1988	1984
<i>15</i>	2	28202	2	-57.0	-52.1	-61.9									1984	1984
<i>10</i>	1	30430	1	-62.1	-62.1	-62.1									1984	1984
<i>7</i>	1	32595	1	-61.9	-61.9	-61.9									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

493 561 493

170 110 1613 -78.1

NORMALS OF RADIOSONDE DATA

43192 GOA

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	1002	619	24.4	27.0	20.0	619	23.1	619	035	1.1	2.7	0.84	0.51	1972	1975
1000	529	78	471	24.6	28.2	21.0	471	22.8	450	036	1.3	3.0	7.25	0.54	1990	1971
950	529	515	528	24.2	32.8	17.0	527	18.6	505	032	1.8	5.4	18.25	1.23	1990	1985
900	529	998	528	21.8	30.0	13.0	523	14.6	505	042	2.0	6.1	10.30	1.42	1980	1974
850	529	1451	527	19.0	28.8	11.8	521	10.8	505	058	2.6	6.5	12.46	1.37	1986	1985
800	529	2009	528	15.6	26.0	7.0	522	7.6	503	073	3.1	6.5	13.99	1.21	1974	1974
750	529	2547	529	12.0	19.0	2.0	520	4.1	503	072	3.5	6.2	20.37	1.09	1973	1974
700	529	3127	529	8.6	17.6	-4.5	495	0.6	504	073	3.2	6.0	17.78	1.04	1981	1981
650	519	3735	519	5.7	18.0	-5.9	437	-3.5	484	070	2.5	5.5	20.30	1.25	1972	1981
600	513	4387	510	2.5	10.4	-7.0	377	-7.1	475	064	1.7	5.3	21.44	1.24	1986	1974
550	501	5085	497	-0.7	8.0	-11.0	328	-11.2	469	062	1.9	5.3	27.51	1.25	1973	1974
500	491	5844	486	-4.9	2.0	-13.0	285	-14.8	459	061	2.0	5.4	26.48	1.23	1976	1974
450	480	6663	476	-9.6	9.4	-17.0	257	-20.0	448	060	2.1	5.6	32.06	1.38	1984	1974
400	474	7568	469	-15.3	-7.7	-23.0	227	-25.5	446	065	2.1	5.7	32.65	1.37	1981	1974
350	464	8566	460	-22.1	-14.7	-30.1	178	-31.4	435	075	1.8	5.9	33.78	1.38	1980	1982
300	452	9686	447	-30.2	-22.7	-45.5	122	-38.2	429	118	1.6	6.5	40.27	1.44	1988	1983
250	429	10956	427	-40.4	-33.1	-53.0	25	-46.5	407	139	3.4	8.2	44.90	1.57	1989	1976
200	415	12441	415	-52.7	-44.7	-65.0	5	-62.0	394	138	6.2	10.5	54.57	1.82	1981	1977
175	381	13294	380	-59.8	-50.7	-72.0	1	-66.3	356	135	7.6	11.9	59.59	2.07	1989	1977
150	341	14245	341	-67.2	-59.1	-79.3			320	132	8.6	12.4	68.11	2.25	1989	1985
125	289	15332	289	-74.1	-59.0	-88.1			271	120	8.6	11.6	82.24	2.69	1976	1985
100	235	16621	231	-77.8	-63.3	-87.7			221	101	8.7	10.3	100.16	2.93	1980	1987
80	192	17924	191	-73.2	-61.1	-84.1			178	098	8.0	9.1	113.35	3.19	1981	1981
70	162	18716	162	-69.1	-58.9	-83.9			150	091	7.7	8.5	124.49	3.24	1985	1983
60	138	19662	138	-64.5	-54.1	-74.7			121	087	8.5	9.1	122.74	3.16	1985	1983
50	111	20793	111	-60.2	-51.1	-71.1			89	086	11.5	11.9	186.36	3.18	1985	1979
40	72	22163	72	-56.8	-46.1	-67.9			53	088	12.7	13.0	152.59	2.21	1979	1979
30	37	23988	37	-52.1	-43.7	-60.7			26	095	14.8	15.2	218.23	3.85	1980	1979
25	23	25157	23	-50.4	-41.1	-57.7			15	094	16.9	17.1	176.88	3.09	1981	1986
20	10	26612	10	-48.0	-42.5	-55.1			6	105	9.9	10.5			1981	1986
15	4	28511	4	-48.8	-43.1	-51.7									1984	1983
10	2	31185	2	-46.6	-44.1	-49.1									1983	1982
7	1	33651	1	-47.5	-47.5	-47.5									1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
495	564	489	1	111	1601	-82.3	204	105	1643	-79.2

NORMALS OF RADIOSONDE DATA

43192 GOA

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1003	600	22.8	27.4	16.0	598	20.3	599	077	3.1	4.0	0.92	1.24	1979	1978
<i>1000</i>	477	88	458	23.1	28.4	18.0	457	19.6	432	079	3.4	4.4	7.75	1.23	1986	1974
<i>950</i>	477	525	477	24.1	34.4	15.4	476	13.2	451	084	4.6	6.2	16.66	0.99	1990	1988
<i>900</i>	477	1007	477	21.3	30.4	13.0	474	9.9	451	093	5.3	7.0	8.29	1.09	1990	1973
<i>850</i>	477	1498	477	17.9	25.2	9.0	467	7.0	450	094	5.2	6.7	9.40	1.34	1980	1974
<i>800</i>	477	2013	477	14.3	22.0	4.0	452	4.3	449	089	4.6	6.3	10.80	1.37	1990	1972
<i>750</i>	477	2550	476	11.5	20.0	2.0	393	1.3	449	088	3.8	6.0	15.63	1.29	1974	1974
<i>700</i>	477	3128	476	9.1	16.6	1.0	322	-1.9	450	085	3.0	6.0	13.93	1.08	1979	1974
<i>650</i>	461	3738	459	6.2	15.0	-4.5	268	-4.6	430	073	2.9	5.5	16.64	1.02	1975	1979
<i>600</i>	450	4390	449	3.0	10.8	-4.5	202	-6.7	417	069	2.9	6.1	18.56	0.99	1979	1982
<i>550</i>	443	5088	441	-0.8	8.6	-8.0	167	-10.5	412	062	3.0	6.5	21.50	1.05	1990	1974
<i>500</i>	435	5846	431	-5.2	1.8	-13.0	144	-14.7	402	059	2.9	6.8	22.67	1.17	1987	1977
<i>450</i>	429	6663	425	-10.2	-3.3	-17.3	125	-13.4	396	053	2.1	6.8	27.67	1.24	1987	1983
<i>400</i>	418	7566	415	-15.9	-5.0	-23.7	102	-24.9	386	021	0.8	7.2	30.63	1.32	1974	1988
<i>350</i>	410	8559	407	-22.9	-14.5	-31.7	81	-30.4	377	292	1.1	7.5	36.61	1.52	1987	1988
<i>300</i>	390	9674	388	-31.0	-21.9	-39.0	64	-37.8	358	247	3.5	8.1	41.74	1.74	1987	1977
<i>250</i>	370	10942	360	-41.2	-31.9	-57.3	13	-46.5	341	229	6.1	10.5	49.86	1.88	1988	1981
<i>200</i>	354	12423	354	-53.3	-43.0	-63.9			322	210	8.3	12.4	60.11	1.92	1974	1982
<i>175</i>	308	13277	307	-60.3	-49.9	-71.1			279	209	8.1	12.8	65.18	2.32	1988	1982
<i>150</i>	272	14219	271	-67.5	-57.1	-78.1			248	215	6.1	11.1	80.12	2.50	1988	1982
<i>125</i>	231	15301	229	-74.0	-61.9	-85.7	1	-75.0	212	208	3.7	9.0	87.74	2.19	1981	1987
<i>100</i>	196	16577	196	-78.1	-65.5	-90.7			176	130	1.5	8.1	131.71	2.55	1981	1982
<i>80</i>	152	17851	152	-75.2	-63.1	-88.0			135	089	2.7	7.3	113.75	2.45	1985	1977
<i>70</i>	132	18643	132	-71.2	-57.3	-82.1			120	104	3.0	6.4	111.53	2.74	1985	1981
<i>60</i>	113	19560	113	-66.3	-54.7	-79.1			98	091	2.6	5.8	129.33	3.38	1987	1990
<i>50</i>	81	20672	81	-61.2	-50.1	-77.3			72	084	3.8	6.7	118.38	3.98	1979	1990
<i>40</i>	55	22090	55	-56.4	-47.1	-67.0			48	089	6.6	9.6	135.04	4.23	1979	1977
<i>30</i>	27	23982	27	-51.8	-41.5	-66.0			20	094	9.8	12.3	176.69	5.38	1985	1977
<i>25</i>	19	25166	19	-49.7	-41.3	-56.9			12	099	8.1	10.0			1979	1984
<i>20</i>	6	26516	6	-49.2	-42.9	-55.7			4	108	5.7	6.3			1985	1984
<i>15</i>																
<i>10</i>																
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
445	561	494	1	098	1257	-81.9		157	103	1647	-79.8

NORMALS OF RADIOSONDE DATA

43192 GOA

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDO	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1005	620	21.7	27.0	16.4	620	18.0	620	080	3.9	4.6	0.89	0.91	1973	1981
<i>1000</i>	553	100	553	22.2	29.2	16.8	553	17.6	523	082	4.4	5.2	6.61	0.87	1989	1981
<i>950</i>	553	536	553	23.2	31.0	14.0	553	11.2	522	088	5.7	6.9	18.29	0.90	1972	1975
<i>900</i>	553	1015	553	20.4	28.0	13.0	549	8.1	522	094	5.7	7.2	7.81	1.04	1972	1975
<i>850</i>	553	1505	553	17.1	25.8	6.0	531	5.6	522	100	4.3	6.0	8.70	1.11	1981	1975
<i>800</i>	553	2019	553	13.8	22.0	2.0	491	1.9	523	105	3.2	5.1	9.68	1.12	1989	1975
<i>750</i>	553	2556	553	11.4	20.4	1.6	368	-2.1	524	104	2.4	5.1	15.81	1.05	1990	1990
<i>700</i>	553	3150	552	9.3	19.0	0.8	237	-6.1	523	096	1.4	5.2	13.37	1.15	1990	1990
<i>650</i>	547	3743	545	6.2	14.6	-4.9	189	-9.5	510	057	1.1	5.8	18.24	1.22	1990	1981
<i>600</i>	540	4395	538	2.7	12.4	-4.3	136	-12.5	501	010	0.7	6.0	18.42	1.21	1990	1990
<i>550</i>	530	5091	525	-1.4	8.0	11.0	104	-16.1	494	317	0.7	6.7	25.74	1.37	1990	1972
<i>500</i>	518	5846	514	-6.0	4.6	-12.7	74	-18.9	481	280	1.8	7.4	25.46	1.37	1990	1988
<i>450</i>	510	6660	508	-11.2	-2.5	-18.1	66	-22.9	474	277	3.4	8.3	33.38	1.43	1990	1985
<i>400</i>	502	7558	501	-17.1	-8.7	-24.7	56	-28.1	460	273	5.8	10.3	33.19	1.54	1990	1988
<i>350</i>	490	8545	489	-24.0	-13.1	-32.1	46	-34.7	456	268	8.4	12.5	39.64	1.56	1979	1988
<i>300</i>	476	9657	476	-32.3	-24.5	-40.9	28	-41.4	440	259	11.0	14.7	42.66	1.60	1989	1985
<i>250</i>	461	10917	461	-42.3	-33.3	-51.5	2	-49.0	428	250	13.3	17.1	49.75	1.63	1981	1990
<i>200</i>	431	12387	430	-54.4	-44.7	-64.1			396	247	14.7	18.7	53.38	1.87	1989	1983
<i>175</i>	371	13237	370	-61.1	-50.7	-73.9			337	248	14.8	18.2	64.04	2.01	1989	1985
<i>150</i>	321	14179	320	-67.7	-57.0	-79.0			286	251	14.0	16.8	69.95	2.02	1977	1971
<i>125</i>	266	15256	265	-73.8	-61.1	-85.5			230	257	10.2	13.4	79.56	2.28	1981	1985
<i>100</i>	210	16539	210	-78.5	-65.5	-87.9			172	256	4.0	9.5	87.11	2.21	1988	1985
<i>80</i>	160	17805	160	-76.4	-63.1	-87.1			123	015	0.4	8.2	87.37	2.55	1990	1990
<i>70</i>	138	18587	138	-72.2	-57.5	-85.9			103	107	2.0	7.0	96.84	3.08	1990	1990
<i>60</i>	121	19505	121	-67.0	-54.3	-79.5			82	094	0.9	6.7	100.43	3.53	1990	1984
<i>50</i>	93	20623	93	-61.7	-48.5	-73.0			61	085	2.1	6.7	129.27	3.59	1990	1976
<i>40</i>	56	22011	56	-57.9	-44.5	-67.7			36	077	3.9	7.9	144.92	4.13	1988	1987
<i>30</i>	28	23838	28	-54.1	-45.1	-63.1			16	091	6.4	12.6	202.74	4.88	1988	1987
<i>25</i>	16	25031	16	-52.8	-45.9	-61.1			6	087	4.7	12.3			1979	1987
<i>20</i>	5	26446	5	-53.3	-48.5	-58.1			3	076	4.4	17.7			1986	1987
<i>15</i>	2	28183	2	-52.1	-50.5	-53.7									1981	1983
<i>10</i>	1	30742	1	-52.1	-52.1	-52.1									1983	1983
<i>7</i>	1	33061	1	-49.9	-49.9	-49.9									1983	1983

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N P ALT

N P ALT T

N P ALT T

532 567 437

1 119 1544 -74.9

156 098 1667 -80.2

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

JANUARY 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	279	1006	279	10.7	16.2	5.0	278	9.2	279	271	0.4	0.7	1.49	0.75	1982	1986
1000	232	136	227	11.6	18.4	6.0	225	9.2	222	293	1.7	2.9	11.07	0.83	1982	1990
950	229	538	229	14.6	23.8	6.0	224	5.5	225	295	3.0	4.8	12.80	1.29	1982	1990
900	229	1025	229	13.2	21.0	3.4	216	0.5	225	286	3.2	5.2	13.40	1.03	1986	1984
850	229	1503	229	11.1	18.4	1.2	197	-3.4	225	286	4.5	6.3	16.04	0.83	1986	1984
800	229	2007	229	8.8	16.2	-1.1	163	-6.3	225	282	6.7	8.1	15.62	0.89	1990	1984
750	229	2534	229	6.3	15.0	-2.7	127	-8.6	225	281	9.3	10.4	17.02	1.09	1990	1984
700	229	3101	229	3.5	13.0	-5.1	105	-11.3	225	279	11.3	12.5	15.22	1.15	1990	1983
650	226	3690	225	0.2	10.2	-8.7	91	-13.9	219	278	14.0	14.9	18.60	1.33	1990	1985
600	226	4339	226	-3.4	7.4	-12.7	76	-16.2	216	275	17.1	18.3	16.82	1.49	1990	1985
550	225	5035	225	-7.5	3.6	-17.1	73	-20.3	206	273	20.5	21.6	22.06	1.63	1990	1985
500	225	5758	225	-12.1	-1.5	-22.1	61	-23.5	199	271	24.3	25.9	19.08	1.80	1990	1985
450	224	6556	224	-17.1	-5.1	-27.5	48	-27.8	181	268	28.7	30.3	24.74	1.91	1989	1985
400	223	7433	223	-22.7	-8.9	-34.5	44	-32.4	164	265	32.6	34.5	25.50	1.95	1989	1985
350	220	8407	220	-28.7	-14.1	-39.3	30	-38.5	128	263	35.7	38.2	35.83	1.98	1989	1982
300	218	9494	218	-35.2	-21.7	-46.7	12	-46.0	97	260	38.9	40.9	39.92	2.35	1989	1982
250	212	10746	212	-42.4	-29.7	-56.1	2	-51.1	63	257	41.6	43.9	50.39	2.32	1984	1982
200	204	12232	204	-50.4	-37.5	-60.7			34	255	41.4	44.6	52.07	2.37	1983	1982
175	195	13098	195	-54.8	-41.7	-66.5			26	259	40.8	43.9	63.45	2.92	1983	1984
150	182	14071	182	-59.4	-40.1	-71.3			17	262	42.9	45.0	70.29	3.26	1983	1984
125	164	15193	164	-63.6	-40.3	-76.1			10	263	35.5	36.8	92.17	3.80	1983	1989
100	150	16551	150	-67.2	-50.7	-76.9			7	268	34.8	36.1	97.78	3.82	1983	1986
80	129	17904	129	-66.3	-52.9	-76.3			4	276	20.1	21.5	165.09	3.59	1983	1986
70	118	18727	118	-64.1	-50.3	-79.1			2	243	10.1	13.0	180.84	3.93	1982	1988
60	102	19648	102	-61.7	-48.1	-73.9			2	310	3.5	11.0	194.40	4.03	1982	1988
50	91	20805	91	-57.7	-42.9	-70.9			2	038	2.8	5.5	209.39	4.07	1982	1988
40	68	22186	68	-54.4	-41.5	-68.5			2	046	4.2	7.0	175.57	3.89	1982	1985
30	55	24035	55	-50.4	-33.5	-69.9			1	235	7.0	7.0	214.41	5.39	1982	1988
25	42	25239	42	-48.2	-32.9	-71.9			2	303	3.3	4.5	246.01	6.26	1982	1988
20	34	26786	34	-46.1	-37.1	-63.3			1	331	5.0	5.0	307.62	4.49	1984	1983
15	23	28695	23	-45.4	-34.1	-61.9			1	351	5.0	5.0	413.02	4.81	1984	1983
10	9	31312	9	-43.6	-30.7	-51.1									1984	1986
7	2	33550	2	-42.0	-40.9	-43.1									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
224	648	372	38	199	1226	-54.4	136	101	1654	-68.5

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

FEBRUARY 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	254	1003	254	12.8	18.8	7.2	254	10.5	254	269	0.9	1.5	1.94	1.05	1987	1983
1000	232	109	194	13.8	25.8	8.4	192	10.2	184	290	1.4	2.4	16.01	1.20	1988	1984
950	232	523	232	17.3	27.2	7.0	229	6.0	232	293	4.5	6.4	18.11	1.30	1982	1984
900	232	1007	232	15.6	25.6	9.0	218	2.1	232	287	5.4	7.2	17.34	1.04	1982	1985
850	232	1489	232	13.2	23.0	4.8	202	-1.6	232	283	6.9	8.1	18.59	1.05	1982	1985
800	232	1997	232	10.5	19.8	3.0	166	-4.1	232	279	8.6	9.7	19.96	0.95	1982	1985
750	232	2523	232	7.6	16.4	-4.1	130	-6.0	232	279	10.5	11.6	17.53	0.88	1982	1985
700	232	3095	232	4.4	13.2	-3.1	108	-8.5	232	279	13.0	13.9	21.81	0.65	1982	1987
650	231	3685	230	0.9	10.2	-7.1	98	-11.6	226	278	14.8	15.7	18.79	0.71	1989	1990
600	229	4333	229	-3.0	7.6	-11.7	83	-14.9	225	277	17.6	18.6	19.64	0.75	1989	1990
550	228	5030	228	-7.2	3.2	-16.9	80	-19.0	217	274	20.6	21.8	16.80	0.80	1982	1984
500	227	5755	227	-11.9	-3.1	-21.1	66	-22.5	203	271	24.2	25.5	18.10	0.93	1990	1990
450	223	6558	223	-16.9	-4.3	-26.3	57	-27.4	176	269	27.8	29.4	11.73	1.43	1985	1987
400	218	7429	218	-22.7	-12.9	-34.9	41	-32.1	150	267	30.6	32.9	15.61	1.88	1985	1987
350	217	8404	217	-28.7	-18.1	-38.9	27	-37.9	119	268	34.0	36.6	18.49	2.18	1985	1987
300	213	9489	213	-35.5	-25.1	-45.5	11	-44.5	85	265	37.8	40.4	24.63	2.23	1985	1987
250	207	10741	207	-42.5	-30.5	-52.9	1	-49.3	50	263	40.5	43.9	35.25	2.54	1983	1987
200	197	12224	197	-50.4	-36.1	-65.5			26	262	42.8	46.1	52.24	2.80	1983	1990
175	188	13087	188	-54.4	-40.1	-66.9			16	260	38.9	42.6	65.04	2.59	1989	1988
150	175	14063	175	-59.0	-46.1	-71.7			8	264	37.3	38.6	69.53	2.41	1983	1988
125	164	15189	164	-64.2	-52.1	-76.1			5	257	39.8	41.6	80.71	3.18	1983	1988
100	148	16544	148	-67.7	-47.3	-81.3			3	259	27.8	28.3	106.26	3.55	1983	1988
80	126	17897	126	-67.6	-46.3	-83.1			1	287	17.0	17.0	129.86	4.88	1983	1985
70	115	18716	115	-65.5	-43.3	-76.3			1	258	12.0	12.0	137.50	5.29	1983	1989
60	107	19654	107	-62.1	-38.7	-78.1			1	193	9.0	9.0	157.67	5.23	1983	1988
50	96	20785	96	-58.3	-41.5	-72.3			1	185	8.0	8.0	152.94	4.86	1983	1989
40	89	22207	89	-54.1	-38.7	-67.5			1	193	8.0	8.0	186.89	4.78	1990	1985
30	75	24050	75	-51.0	-35.3	-61.5			1	185	11.0	11.0	266.06	4.35	1983	1988
25	62	25237	62	-48.9	-38.3	-59.1			1	211	10.0	10.0	263.87	4.12	1983	1985
20	52	26702	52	-47.5	-35.1	-57.1							253.64	3.76	1983	1985
15	39	28632	39	-45.6	-34.3	-55.1							270.79	4.01	1983	1985
10	22	31401	22	-43.7	-35.1	-51.9							260.83	4.01	1983	1989
7	7	33976	7	-41.9	-34.5	-50.9									1983	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
230	639	383	19	183	1292	-55.7		142	103	1643	-69.5

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

MARCH 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	306	999	306	17.4	26.0	10.4	306	13.2	305	273	1.0	1.9	1.61	0.86	1985	1990
1000	279	80	116	16.5	27.8	11.0	116	12.2	104	293	0.6	1.7	11.84	1.35	1987	1981
950	278	500	278	21.8	35.0	9.6	269	8.0	276	291	4.6	7.1	14.09	2.33	1983	1983
900	278	991	278	19.9	31.2	7.4	249	3.7	276	289	6.6	8.4	10.41	2.23	1982	1983
850	278	1480	278	16.9	27.4	4.8	225	1.3	276	286	8.3	9.4	9.83	2.17	1982	1981
800	278	1995	278	13.8	24.0	2.0	207	-1.7	275	284	10.0	10.9	9.02	2.16	1983	1990
750	278	2523	278	10.4	21.8	-3.1	185	-5.1	275	283	12.0	12.8	10.05	2.14	1989	1990
700	278	3105	278	6.6	18.0	-6.3	156	-7.4	275	282	13.6	14.5	14.21	2.18	1989	1990
650	277	3693	277	2.7	13.8	-8.5	140	-10.4	270	280	15.4	16.3	14.65	2.04	1989	1989
600	276	4353	276	-1.2	9.2	-12.1	115	-13.4	266	279	17.1	18.1	21.42	1.89	1989	1981
550	274	5047	273	-5.7	4.2	-15.7	101	-17.3	257	278	18.7	19.7	17.55	1.67	1989	1989
500	272	5781	272	-10.7	-0.9	-19.9	86	-21.9	245	277	20.8	22.0	28.14	1.53	1989	1989
450	269	6588	269	-15.9	-6.5	-25.9	64	-26.6	226	276	23.6	25.0	27.34	1.42	1989	1990
400	266	7466	266	-21.8	-10.7	-32.7	42	-30.8	199	274	25.7	27.3	35.70	1.36	1989	1981
350	264	8447	264	-28.4	-15.3	-40.1	34	-38.0	170	274	27.7	29.5	37.51	1.64	1989	1981
300	262	9529	261	-35.7	-23.1	-52.1	13	-45.6	138	273	30.1	32.6	44.81	2.19	1988	1981
250	251	10782	249	-43.2	-31.1	-57.3	1	-52.3	109	272	32.9	36.4	54.06	2.38	1988	1981
200	240	12268	240	-50.0	-38.7	-66.7			71	273	36.5	40.1	69.55	2.09	1982	1981
175	234	13136	234	-54.0	-42.9	-66.7			51	268	36.4	39.5	72.51	2.08	1990	1981
150	221	14116	221	-58.5	-46.7	-68.1			34	267	35.8	37.8	81.46	2.33	1989	1985
125	207	15251	207	-63.1	-48.1	-75.9			25	264	35.1	37.1	85.05	2.76	1984	1986
100	182	16594	181	-68.2	-55.7	-80.7			17	263	30.7	33.4	90.18	2.29	1984	1986
80	166	17929	165	-68.2	-54.3	-80.9			12	272	24.3	25.2	94.87	2.21	1988	1990
70	149	18749	149	-66.0	-50.9	-79.7			12	273	25.0	25.4	98.47	2.24	1988	1990
60	140	19681	140	-62.3	-47.7	-75.3			10	273	11.7	12.2	95.89	2.44	1982	1985
50	126	20826	126	-57.3	-44.1	-70.9			9	283	6.8	8.3	94.69	2.43	1982	1989
40	112	22252	112	-52.9	-39.1	-64.9			8	264	3.3	9.4	105.75	2.61	1982	1985
30	93	24119	93	-48.4	-36.7	-61.1			8	290	6.4	9.4	116.40	3.06	1981	1982
25	77	25313	77	-45.3	-35.5	-57.5			5	290	7.6	15.8	149.57	3.19	1987	1990
20	62	26771	62	-44.1	-33.1	-56.5			5	295	8.7	17.0	225.11	3.10	1987	1983
15	41	28739	41	-42.2	-30.5	-53.7			3	268	13.9	14.0	204.38	3.46	1987	1990
10	29	31475	29	-39.8	-27.1	-51.1			2	259	22.8	23.0	383.01	5.15	1987	1990
7	9	33909	9	-40.6	-36.5	-46.1			1	271	40.0	40.0			1984	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

276	618	411		74	210	1202	-53.8		170	096	1684	-70.4
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NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

APRIL 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	300	995	300	22.6	29.2	14.8	300	15.4	300	067	0.3	2.1	1.34	0.61	1989	1990
<i>1000</i>	243	43	10	19.0	22.2	15.0	10	16.1	9	091	1.4	1.7	13.07		1983	1990
<i>950</i>	241	474	241	26.1	36.6	11.8	220	10.7	240	304	2.1	8.3	16.07	1.73	1986	1981
<i>900</i>	241	967	241	25.1	34.2	9.6	206	7.3	240	292	4.8	8.9	13.01	1.75	1984	1981
<i>850</i>	241	1465	241	21.9	34.8	11.0	196	4.3	237	290	8.0	10.0	13.73	1.71	1990	1981
<i>800</i>	241	1987	241	18.3	30.8	8.2	184	1.7	240	287	9.9	11.1	14.06	1.31	1990	1990
<i>750</i>	241	2523	241	14.3	26.2	5.4	171	-1.2	240	285	12.5	13.4	14.59	1.08	1990	1990
<i>700</i>	241	3112	241	10.0	21.4	-0.5	158	-4.7	237	284	14.6	15.2	14.83	0.85	1990	1984
<i>650</i>	241	3710	241	5.7	17.0	-5.5	149	-8.2	235	282	16.0	16.7	15.17	0.76	1990	1984
<i>600</i>	239	4373	239	1.4	12.8	-6.9	116	-12.0	228	279	17.5	18.4	16.78	0.76	1990	1981
<i>550</i>	237	5075	237	-3.3	9.4	-12.5	94	-16.0	220	279	18.0	19.0	17.77	0.71	1990	1984
<i>500</i>	236	5814	236	-8.1	6.0	-17.1	74	-19.9	203	278	19.4	20.5	17.42	0.68	1990	1984
<i>450</i>	236	6625	236	-13.4	2.2	-23.5	58	-24.5	191	276	20.1	21.6	16.77	0.86	1990	1986
<i>400</i>	232	7515	232	-19.4	-2.3	-30.1	39	-29.9	178	275	22.1	23.4	22.33	1.02	1990	1986
<i>350</i>	230	8502	229	-25.9	-15.1	-36.7	24	-35.3	167	274	24.6	26.0	24.83	1.11	1981	1981
<i>300</i>	226	9595	225	-33.3	-21.9	-42.1	13	-42.5	145	269	26.3	28.2	27.60	1.70	1984	1982
<i>250</i>	219	10854	219	-41.2	-29.3	-53.9			109	266	27.7	30.0	27.49	2.57	1984	1986
<i>200</i>	208	12345	208	-49.1	-32.9	-63.9			87	263	29.7	32.3	35.08	2.36	1990	1982
<i>175</i>	198	13209	198	-53.8	-42.5	-65.1			70	266	27.8	29.8	43.23	1.91	1981	1983
<i>150</i>	192	14189	192	-58.8	-46.1	-69.9			56	268	25.6	27.3	49.60	2.08	1981	1989
<i>125</i>	180	15315	180	-64.1	-50.1	-77.3			44	268	21.3	22.7	58.84	2.76	1981	1989
<i>100</i>	164	16669	163	-68.5	-52.9	-84.1			40	269	15.7	19.1	79.26	3.32	1987	1981
<i>80</i>	142	18008	140	-68.3	-50.1	-80.1			39	285	4.0	12.9	112.28	3.46	1981	1985
<i>70</i>	134	18822	133	-66.2	-50.3	-77.3			35	331	2.0	9.1	119.34	3.32	1981	1985
<i>60</i>	133	19762	132	-62.2	-47.9	-76.1			34	016	1.9	8.1	128.40	3.20	1981	1984
<i>50</i>	127	20903	124	-57.4	-43.9	-73.5			32	071	4.7	8.0	112.49	2.80	1986	1984
<i>40</i>	118	22325	115	-52.2	-41.5	-63.9			25	080	3.9	6.8	93.97	2.44	1986	1988
<i>30</i>	104	24217	102	-46.8	-35.3	-59.7			24	059	3.6	6.4	90.20	2.31	1983	1988
<i>25</i>	90	25425	89	-44.0	-31.1	-57.1			22	039	2.2	7.3	117.01	2.45	1983	1988
<i>20</i>	76	26947	76	-41.8	-29.9	-53.7			23	022	1.7	8.5	150.40	3.12	1983	1988
<i>15</i>	56	28851	56	-40.4	-30.5	-49.5			19	343	0.8	7.3	170.56	3.27	1983	1988
<i>10</i>	39	31622	39	-38.1	-29.5	-47.1			12	287	2.8	9.2	167.34	2.40	1984	1984
<i>7</i>	19	34037	19	-37.0	-32.5	-42.1			5	272	18.3	19.2			1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

239 584 454 29 208 1215 -52.2 154 099 1679 -70.8

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

MAY 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	310	993	310	25.5	32.8	19.0	310	20.8	310	085	2.0	2.4	1.76	0.68	1982	1990
1000	273	26											16.08			
950	268	460	268	27.4	35.8	18.2	259	18.2	265	101	3.8	7.9	21.11	1.08	1982	1990
900	268	957	268	26.2	37.0	14.2	254	14.6	265	114	1.1	7.5	17.04	1.14	1982	1983
850	268	1458	268	23.6	32.0	12.0	251	10.5	265	287	3.0	7.3	18.06	1.07	1987	1983
800	269	1984	269	20.3	28.2	9.8	243	7.2	266	289	5.5	7.7	18.38	0.94	1988	1987
750	269	2527	269	16.5	25.4	5.8	231	3.6	265	289	8.6	9.8	19.42	0.89	1988	1990
700	269	3119	269	12.3	22.8	1.2	224	-0.7	266	291	10.9	12.3	17.86	0.93	1988	1990
650	266	3723	266	7.9	17.0	-2.5	205	-4.5	263	287	12.1	13.3	18.45	0.96	1989	1990
600	264	4389	264	3.3	13.0	-6.5	180	-8.6	257	288	12.5	13.7	16.21	1.23	1989	1990
550	260	5103	260	-0.8	8.6	-10.7	150	-13.1	249	286	12.6	14.0	22.76	1.19	1989	1982
500	259	5844	258	-5.3	4.0	-15.1	103	-17.2	246	284	12.8	14.5	15.84	0.96	1989	1990
450	259	6669	259	-10.2	-1.1	-23.7	74	-21.4	238	279	13.6	15.7	13.34	1.07	1989	1982
400	249	7562	249	-15.8	-6.3	-25.1	48	-26.0	226	273	14.4	16.6	16.12	1.13	1990	1990
350	244	8565	244	-22.2	-10.9	-33.7	30	-32.0	213	267	16.6	19.0	21.67	1.57	1990	1987
300	236	9676	236	-29.2	-16.7	-43.7	18	-39.7	200	265	19.4	21.8	18.65	1.90	1990	1987
250	227	10959	227	-37.4	-23.7	-54.1	3	-43.5	186	259	21.5	24.4	24.45	2.29	1990	1987
200	216	12470	215	-47.3	-37.5	-61.3			164	259	22.8	25.5	35.91	1.52	1986	1987
175	208	13342	206	-52.9	-44.1	-67.7			142	255	22.7	25.3	38.70	1.09	1981	1989
150	196	14326	194	-58.8	-50.1	-69.7			119	253	20.1	22.5	45.47	1.36	1981	1982
125	185	15460	184	-64.7	-53.9	-75.5			107	254	16.0	18.4	47.86	2.09	1983	1986
100	166	16798	166	-69.7	-53.7	-81.3			92	257	11.7	13.1	59.68	2.26	1983	1982
80	149	18128	149	-69.8	-51.1	-79.9			81	243	3.1	9.9	70.18	2.66	1982	1985
70	140	18949	140	-66.5	-46.9	-73.1			73	092	0.8	8.6	87.47	2.76	1982	1985
60	134	19876	132	-61.7	-44.1	-73.9			68	091	2.9	9.6	91.82	3.05	1982	1988
50	128	21020	126	-56.0	-39.1	-69.5			64	085	5.6	9.1	102.81	3.20	1982	1989
40	123	22453	122	-50.9	-35.5	-65.5			58	085	5.8	8.8	114.58	2.99	1982	1989
30	108	24335	108	-46.2	-32.1	-60.7			54	078	6.1	9.7	136.51	3.45	1986	1989
25	100	25535	98	-43.5	-30.5	-57.9			49	084	6.1	8.9	170.65	2.90	1987	1989
20	80	27017	80	-41.4	-32.5	-54.1			42	084	5.8	9.0	254.35	2.76	1982	1989
15	63	28928	63	-39.7	-28.5	-49.7			28	072	5.3	8.0	229.27	4.12	1982	1989
10	47	31732	47	-36.7	-27.5	-45.5			21	083	4.4	7.4	203.29	4.03	1983	1989
7	24	34082	24	-36.0	-25.7	-43.1			7	068	5.2	8.6	238.15	3.55	1983	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
262	559	498	14	188	1277	-55.9	156	098	1696	-71.9

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

JUNE 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	300	989	300	27.6	35.2	23.0	300	24.6	299	086	1.8	2.1	1.48	0.65	1990	1981
<i>1000</i>	243	-13											8.47			
<i>950</i>	240	414	239	28.3	37.2	18.0	233	22.7	234	102	3.7	6.7	9.81	1.40	1983	1984
<i>900</i>	240	921	239	26.6	38.8	15.8	230	19.3	234	116	2.2	6.9	8.52	1.62	1983	1984
<i>850</i>	240	1424	240	24.0	34.2	14.4	230	16.0	234	137	0.1	6.5	8.97	1.53	1983	1982
<i>800</i>	240	1951	240	20.9	29.4	6.0	227	12.9	233	306	2.3	7.4	10.72	1.52	1987	1982
<i>750</i>	240	2505	239	17.4	26.6	9.2	222	9.3	234	302	3.8	8.1	14.14	1.23	1990	1982
<i>700</i>	240	3091	239	13.6	24.2	7.4	218	5.4	234	301	5.0	8.6	15.29	1.27	1990	1982
<i>650</i>	239	3711	239	10.0	21.8	3.8	209	1.0	231	296	5.4	9.1	18.90	1.29	1990	1981
<i>600</i>	237	4370	237	6.3	18.8	-3.5	190	-2.9	222	293	5.1	8.7	19.11	1.48	1990	1984
<i>550</i>	236	5109	236	2.7	13.0	-6.1	172	-6.4	215	291	4.8	8.4	23.70	1.44	1990	1988
<i>500</i>	233	5843	233	-1.3	8.2	-11.9	156	-11.1	211	280	4.5	8.4	26.12	1.26	1990	1988
<i>450</i>	227	6694	227	-5.6	4.0	-22.1	129	-15.5	200	272	4.5	9.2	26.51	1.43	1982	1988
<i>400</i>	224	7595	223	-10.6	-2.5	-22.3	94	-20.1	195	265	4.9	9.8	36.39	1.45	1982	1988
<i>350</i>	219	8617	217	-16.4	-6.9	-27.5	64	-26.1	185	260	6.1	10.8	35.50	1.24	1982	1988
<i>300</i>	214	9759	213	-23.8	-16.1	-34.3	37	-33.2	175	254	6.5	11.6	43.84	1.37	1989	1990
<i>250</i>	208	11071	207	-33.0	-25.3	-42.9	17	-40.6	165	248	6.8	12.1	52.61	1.70	1982	1986
<i>200</i>	201	12602	201	-44.8	-36.7	-56.5	1	-48.5	156	242	6.7	12.4	64.38	2.18	1989	1986
<i>175</i>	191	13487	191	-51.5	-40.1	-64.1	1	-57.1	143	245	6.5	11.7	67.28	2.53	1982	1986
<i>150</i>	183	14472	183	-58.8	-49.5	-74.3			136	244	5.6	11.3	74.83	3.20	1983	1986
<i>125</i>	163	15597	163	-66.2	-55.1	-81.1			114	242	3.4	10.3	89.83	3.66	1981	1987
<i>100</i>	147	16924	147	-71.3	-57.9	-87.1			105	101	2.1	9.4	118.56	3.96	1981	1987
<i>80</i>	132	18247	132	-68.9	-52.1	-83.3			88	083	7.9	11.0	138.58	3.77	1982	1988
<i>70</i>	127	19073	127	-64.6	-45.5	-78.7			83	080	9.6	11.6	149.61	3.72	1982	1984
<i>60</i>	118	20003	117	-59.8	-42.3	-74.1			76	080	11.7	13.0	157.36	3.33	1982	1985
<i>50</i>	112	21157	112	-53.9	-31.1	-75.5			69	084	11.0	11.8	175.58	3.66	1982	1985
<i>40</i>	96	22596	96	-49.5	-33.5	-67.3			62	086	10.1	11.8	196.64	3.93	1982	1985
<i>30</i>	81	24500	81	-44.2	-31.1	-60.1			56	081	13.3	14.8	226.60	3.60	1982	1985
<i>25</i>	65	25698	65	-42.5	-32.1	-56.3			45	083	12.9	14.8	287.12	2.81	1987	1985
<i>20</i>	53	27255	53	-40.3	-25.5	-54.5			36	088	11.7	13.9	262.96	3.18	1983	1985
<i>15</i>	41	29150	41	-39.6	-29.1	-52.5			29	089	11.6	14.3	296.11	3.90	1983	1990
<i>10</i>	25	31835	25	-38.0	-25.1	-51.1			19	080	14.7	15.6	339.68	3.75	1983	1985
<i>7</i>	11	34432	11	-35.6	-22.3	-50.1			11	075	11.8	13.7			1983	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

232 518 559

149 101 1693 -72.7

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

JULY 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	309	989	309	27.1	32.0	24.2	309	25.3	309	089	1.1	1.4	1.05	0.41	1982	1987
1000	234	-7											7.05			
950	225	413	225	26.3	37.2	20.0	225	24.2	218	103	3.4	6.2	12.75	1.43	1982	1981
900	225	923	225	24.4	35.8	17.0	225	21.9	218	108	2.9	7.1	5.83	1.66	1982	1983
850	225	1421	225	21.8	32.4	11.6	225	18.9	218	103	2.5	7.4	5.80	1.53	1982	1983
800	225	1945	225	19.0	28.2	11.4	225	15.8	217	089	1.8	7.8	7.14	1.43	1982	1990
750	225	2499	225	15.9	24.2	8.4	224	12.7	217	103	1.9	7.5	16.25	1.35	1982	1984
700	225	3080	225	13.0	20.6	4.8	225	9.2	217	103	1.7	7.2	12.50	1.28	1982	1984
650	222	3706	222	9.9	17.4	2.0	221	5.0	210	108	1.9	6.8	16.12	1.18	1982	1984
600	218	4361	218	6.6	15.0	-2.3	216	0.8	200	109	1.9	6.6	18.99	1.13	1990	1981
550	217	5098	216	3.1	11.8	-5.9	211	-3.2	194	100	2.1	6.5	29.00	1.05	1990	1981
500	215	5837	214	-0.6	9.4	-9.3	204	-7.3	190	104	2.5	6.7	24.20	1.06	1982	1981
450	210	6687	209	-5.0	3.8	-14.5	189	-12.2	175	103	3.0	7.1	31.69	1.01	1989	1981
400	202	7593	201	-10.0	-3.1	-18.9	168	-17.7	169	104	4.0	7.3	28.82	1.06	1982	1986
350	198	8612	197	-15.9	-9.1	-25.5	152	-24.7	159	101	4.5	7.7	34.25	1.18	1982	1990
300	195	9763	195	-23.3	-15.9	-32.7	103	-32.0	154	101	4.8	7.8	37.18	1.29	1983	1990
250	189	11075	189	-33.0	-23.3	-43.1	53	-40.3	140	098	6.0	8.9	46.61	1.72	1982	1990
200	179	12613	179	-45.8	-33.9	-58.9	7	-52.4	130	086	6.1	9.6	58.57	2.17	1990	1985
175	170	13493	170	-52.9	-39.7	-66.1			118	084	6.6	10.6	70.44	3.16	1990	1985
150	163	14471	163	-60.6	-48.1	-78.1			110	084	7.7	11.4	83.30	3.81	1990	1985
125	145	15589	145	-67.9	-56.1	-85.5			92	078	10.7	13.8	104.24	3.94	1982	1985
100	131	16914	131	-72.8	-61.1	-89.1			79	075	12.5	15.3	130.50	4.06	1981	1985
80	119	18228	119	-69.3	-53.9	-84.3			73	071	14.5	16.7	147.41	4.52	1989	1985
70	109	19043	109	-65.3	-51.9	-78.1			67	073	15.6	16.6	162.85	4.43	1983	1985
60	101	19970	101	-60.2	-47.9	-76.1			60	073	15.9	16.5	183.23	3.81	1982	1985
50	94	21101	94	-54.9	-39.1	-69.1			56	078	15.9	17.0	232.14	3.91	1987	1981
40	84	22532	83	-50.8	-39.5	-67.7			49	078	15.1	16.2	271.80	3.66	1987	1981
30	65	24401	65	-46.4	-36.5	-67.1			38	078	17.7	18.4	302.00	3.85	1988	1981
25	56	25833	56	-43.4	-33.1	-54.1			33	078	18.0	18.8	282.54	3.37	1983	1984
20	39	27162	39	-41.3	-31.1	-52.1			23	081	21.3	22.3	312.71	3.56	1985	1985
15	28	29064	28	-39.5	-29.1	-51.5			18	077	20.2	21.8	348.53	3.66	1985	1985
10	16	31844	16	-38.2	-30.1	-46.5			7	080	20.4	21.8			1983	1985
7	7	34224	7	-35.9	-29.7	-41.9			3	103	21.7	22.6			1988	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

214 508 574

126 104 1668 -74.8

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

AUGUST 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	310	990	310	27.2	35.6	24.0	310	25.8	310	083	0.9	1.4	0.95	0.21	1987	1981
1000	257	2											6.82			
950	252	421	252	26.9	35.4	20.0	252	24.2	245	095	3.8	7.0	10.04	0.46	1982	1982
900	252	932	252	24.8	32.8	14.2	252	21.6	245	101	4.4	8.2	8.41	0.64	1982	1982
850	252	1432	252	22.1	29.6	12.0	252	18.4	245	099	4.7	8.5	9.04	0.64	1988	1982
800	253	1956	253	19.3	28.2	9.0	253	15.1	246	094	4.8	8.5	9.38	0.62	1985	1986
750	253	2508	253	16.3	26.4	5.8	253	11.6	245	093	4.8	8.1	12.47	0.71	1983	1982
700	253	3093	253	13.3	23.2	3.8	251	8.0	246	097	4.3	7.6	12.96	0.76	1983	1982
650	249	3713	248	10.2	18.8	1.0	244	3.9	237	099	4.3	7.4	14.18	0.80	1989	1982
600	246	4372	245	6.7	14.0	-4.1	235	0.0	229	100	4.0	7.0	15.92	0.91	1988	1983
550	244	5108	241	3.1	10.6	-8.1	227	-3.9	225	099	3.6	6.4	19.64	0.99	1988	1983
500	243	5851	242	-0.9	7.0	-11.9	223	-8.6	222	097	3.7	6.4	20.05	1.04	1988	1987
450	239	6694	239	-5.3	2.8	-16.1	207	-13.5	210	098	4.0	6.3	25.27	0.97	1988	1983
400	232	7607	232	-10.5	-2.9	-20.1	190	-18.8	204	099	4.6	6.9	22.87	1.10	1988	1983
350	230	8629	230	-16.6	-9.1	-25.9	154	-24.9	192	094	4.6	7.0	25.91	1.04	1988	1983
300	228	9771	228	-23.9	-14.9	-33.9	112	-32.3	184	092	5.6	8.1	29.84	1.07	1982	1986
250	214	11080	213	-33.5	-24.3	-44.1	52	-41.5	171	086	7.2	9.9	37.36	1.44	1982	1986
200	205	12609	205	-45.8	-37.7	-57.1	2	-52.3	161	079	7.5	10.9	42.83	1.99	1988	1987
175	196	13488	196	-52.8	-44.3	-65.9			150	076	8.3	11.4	49.60	2.60	1982	1987
150	188	14466	185	-60.5	-49.9	-75.7			138	075	9.4	12.1	60.09	3.38	1983	1987
125	172	15585	172	-67.7	-54.3	-85.1			127	073	11.7	13.8	74.48	3.97	1982	1985
100	149	16922	149	-71.4	-59.9	-87.1			109	069	14.3	15.8	90.37	3.43	1981	1986
80	133	18251	133	-67.4	-57.1	-78.7			92	074	16.0	16.8	105.38	1.92	1990	1984
70	126	19072	126	-63.5	-51.1	-76.1			86	076	16.7	17.2	109.89	1.87	1990	1987
60	116	20008	115	-59.2	-47.9	-73.1			82	079	17.6	18.2	117.23	2.28	1990	1987
50	106	21162	106	-55.0	-42.3	-66.9			76	078	17.2	17.6	101.77	2.90	1989	1984
40	91	22595	91	-50.6	-39.1	-60.1			66	079	19.0	19.5	127.66	2.54	1990	1988
30	75	24488	75	-46.2	-33.5	-56.1			55	081	23.2	23.7	164.77	3.60	1990	1988
25	61	25703	61	-44.5	-33.9	-58.5			44	082	27.1	27.7	141.42	3.55	1990	1984
20	52	27230	52	-42.3	-30.9	-53.5			38	081	26.9	27.3	144.09	3.54	1987	1988
15	38	29207	38	-40.8	-27.1	-52.7			26	083	27.9	28.2	220.40	4.33	1990	1988
10	20	31916	20	-38.6	-31.1	-49.7			15	078	30.1	30.9			1986	1987
7	10	34262	10	-37.4	-30.1	-48.7			2	083	27.9	28.5			1984	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

244 510 571

153 107 1656 -72.7

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

SEPTEMBER 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	300	994	300	26.0	29.2	21.0	300	24.7	300	089	1.2	1.9	0.77	0.46	1981	1982
1000	264	36	7	25.1	26.8	21.0	7	24.1	7	091	2.8	2.8	5.39		1987	1986
950	262	454	261	25.9	35.0	19.8	259	22.8	251	101	2.8	6.6	14.45	1.01	1981	1989
900	262	964	262	23.9	32.8	18.0	259	19.8	251	115	2.8	7.8	6.26	1.18	1981	1984
850	262	1462	262	21.4	29.8	14.2	258	16.7	251	111	1.7	7.8	7.86	1.18	1982	1984
800	262	1985	261	18.6	27.2	11.4	256	13.0	251	104	1.2	7.8	8.32	1.25	1988	1981
750	262	2530	261	15.5	24.2	7.4	253	9.3	251	103	1.2	7.9	14.67	1.23	1988	1983
700	262	3117	262	12.5	20.8	5.6	250	5.5	251	121	1.1	7.1	11.98	1.13	1988	1981
650	262	3737	262	9.2	19.0	2.4	247	1.5	250	141	1.1	6.7	17.30	1.15	1988	1981
600	260	4394	260	6.0	15.0	-1.7	232	-2.5	246	155	1.5	6.8	17.21	1.15	1988	1981
550	259	5127	259	2.4	12.2	-7.7	219	-6.2	240	191	1.7	6.5	21.54	1.07	1990	1984
500	257	5866	257	-1.6	8.6	-9.3	207	-10.4	238	199	2.3	7.0	21.54	0.96	1982	1990
450	254	6709	254	-6.0	5.8	-15.7	179	-15.0	229	215	2.9	7.6	26.60	1.00	1982	1983
400	253	7617	250	-11.1	-1.3	-19.3	151	-20.4	227	226	3.4	7.7	25.52	1.07	1987	1990
350	253	8632	250	-17.5	-8.3	-25.1	123	-27.2	217	230	3.7	8.4	31.92	1.18	1989	1986
300	250	9770	247	-25.0	-14.3	-35.9	86	-34.1	213	236	4.1	9.0	32.57	1.25	1989	1986
250	245	11070	242	-34.9	-24.3	-44.9	39	-42.8	201	237	5.2	10.1	39.24	1.59	1982	1985
200	239	12592	237	-47.3	-37.1	-59.1	1	-48.1	191	242	4.8	10.7	51.34	2.17	1982	1986
175	223	13463	222	-54.4	-43.9	-65.7			175	241	4.2	10.9	58.40	2.49	1983	1983
150	205	14441	204	-61.6	-50.1	-74.1			160	231	2.7	10.7	65.85	3.07	1983	1986
125	187	15552	187	-68.6	-50.5	-84.1			140	207	1.4	10.1	92.62	3.91	1983	1986
100	170	16871	169	-72.8	-61.1	-85.5			126	083	1.9	8.4	113.32	3.05	1988	1986
80	148	18186	148	-68.5	-54.1	-88.1			105	074	5.3	8.3	133.87	3.10	1981	1987
70	139	19022	139	-64.4	-49.1	-79.3			98	074	6.9	8.9	144.89	3.37	1988	1990
60	132	19947	131	-59.4	-41.7	-75.9			91	079	7.8	9.5	165.00	3.11	1988	1990
50	124	21103	124	-54.8	-38.3	-73.5			84	082	10.4	11.7	181.71	3.38	1988	1990
40	116	22542	116	-50.3	-31.9	-69.1			78	081	12.5	13.1	185.78	2.88	1988	1990
30	100	24418	100	-46.9	-34.1	-63.9			69	081	14.4	15.0	181.30	3.13	1983	1990
25	79	25619	79	-45.0	-33.3	-62.1			57	082	15.3	15.7	207.63	2.49	1983	1990
20	66	27116	66	-42.9	-32.1	-61.1			48	083	15.9	16.6	231.74	2.38	1983	1990
15	48	29080	48	-40.6	-28.5	-59.9			35	089	17.5	18.6	263.22	2.50	1990	1990
10	26	31692	26	-40.2	-27.5	-57.9			17	083	19.0	20.2	436.64	4.60	1983	1990
7	10	33936	10	-38.3	-30.9	-44.9			6	071	15.7	21.8			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
256	520	557	1	154	1394	-73.3		159	106	1655	-73.8

NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

OCTOBER 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	310	999	310	21.7	27.4	14.6	310	19.9	310	350	0.0	0.3	1.41	0.62	1983	1990
<i>1000</i>	269	83	119	20.9	27.6	15.2	117	18.3	117	282	0.4	0.9	10.52	1.91	1982	1990
<i>950</i>	267	501	267	24.3	33.2	14.2	264	15.1	267	287	0.9	4.1	16.34	1.14	1990	1990
<i>900</i>	267	1004	267	22.0	30.0	10.8	260	10.7	267	293	1.4	4.5	10.56	1.08	1987	1989
<i>850</i>	267	1497	267	19.0	26.8	10.2	256	6.3	267	295	1.9	5.1	9.56	0.99	1987	1990
<i>800</i>	267	2015	267	15.9	24.4	7.4	238	2.6	267	295	2.0	5.6	8.96	1.16	1988	1990
<i>750</i>	267	2551	267	12.6	21.4	3.6	218	-0.7	267	297	2.1	6.0	11.19	1.18	1988	1990
<i>700</i>	267	3134	267	9.3	18.2	1.4	184	-3.7	267	288	2.5	6.4	10.64	1.28	1988	1990
<i>650</i>	265	3738	265	6.2	14.8	-2.3	146	-7.4	264	282	3.9	7.2	12.01	1.35	1988	1990
<i>600</i>	264	4397	264	2.9	11.0	-5.5	108	-9.1	261	274	5.5	8.0	12.25	1.48	1988	1990
<i>550</i>	263	5114	263	-0.9	8.0	-9.7	85	-12.0	260	267	7.3	9.5	16.65	1.61	1987	1989
<i>500</i>	262	5851	262	-5.2	3.6	-14.5	72	-15.9	260	266	9.2	11.4	17.55	1.42	1987	1989
<i>450</i>	259	6673	259	-10.0	-0.3	-19.9	58	-20.6	255	262	12.3	14.0	20.21	1.39	1987	1989
<i>400</i>	257	7573	257	-15.7	-4.1	-25.9	40	-24.4	255	263	15.5	17.1	23.20	1.40	1989	1989
<i>350</i>	254	8571	254	-22.1	-9.1	-32.3	27	-30.8	244	260	18.6	20.2	28.91	1.38	1989	1989
<i>300</i>	247	9687	247	-29.5	-17.3	-39.3	13	-38.5	236	257	22.0	23.8	33.13	1.57	1989	1986
<i>250</i>	242	10963	241	-38.7	-28.1	-50.3	4	-46.8	219	254	24.2	26.2	39.53	1.94	1989	1986
<i>200</i>	233	12463	232	-49.9	-35.7	-63.5	1	-57.5	198	251	26.5	28.6	50.76	2.49	1988	1986
<i>175</i>	218	13330	218	-56.2	-41.5	-70.3			168	249	24.6	26.6	57.70	2.78	1988	1986
<i>150</i>	202	14296	202	-62.7	-48.1	-73.9			150	249	21.4	23.9	67.45	3.26	1990	1986
<i>125</i>	177	15404	176	-68.9	-53.3	-82.1			117	251	17.4	20.1	86.25	3.58	1990	1985
<i>100</i>	160	16723	159	-72.2	-59.1	-85.7			99	250	9.5	13.3	101.26	3.28	1987	1986
<i>80</i>	142	18052	140	-68.1	-55.7	-80.1			86	237	2.6	10.2	106.99	2.94	1988	1986
<i>70</i>	132	18888	132	-63.9	-51.7	-75.5			82	028	0.6	8.7	117.11	2.98	1988	1986
<i>60</i>	126	19819	126	-59.2	-46.9	-72.1			77	045	1.7	7.9	129.30	2.58	1982	1984
<i>50</i>	116	20973	116	-54.9	-38.7	-66.1			68	079	4.1	7.6	139.93	2.53	1982	1984
<i>40</i>	107	22405	107	-51.2	-39.9	-60.9			63	077	6.0	9.1	151.13	2.54	1988	1988
<i>30</i>	86	24294	86	-47.0	-32.9	-57.1			52	084	6.4	8.9	156.76	2.65	1988	1988
<i>25</i>	68	25488	68	-44.6	-30.5	-54.9			41	094	6.3	10.0	194.63	3.78	1985	1988
<i>20</i>	53	26974	53	-43.9	-29.1	-56.9			30	085	4.1	8.0	224.41	3.78	1983	1984
<i>15</i>	25	28820	25	-43.0	-34.5	-51.1			14	180	2.7	8.6	293.41	3.10	1983	1984
<i>10</i>	14	31535	14	-40.7	-34.9	-49.1			6	215	7.4	11.5			1983	1984
<i>7</i>	3	33633	3	-42.0	-36.1	-47.5			2	240	15.4	16.5			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

263	563	432		2	149	1434	-74.7		164	110	1622	-72.3
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NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

NOVEMBER 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	300	1004	300	15.7	21.8	10.0	300	13.2	300	278	0.1	0.2	0.89	0.81	1981	1982
<i>1000</i>	272	118	256	16.3	23.2	10.6	254	13.2	256	311	0.4	1.3	8.25	0.74	1990	1982
<i>950</i>	272	531	272	20.5	29.6	13.6	267	8.4	272	298	2.1	4.0	12.14	0.80	1982	1988
<i>900</i>	272	1025	272	18.1	27.0	11.2	263	3.9	272	297	2.3	4.2	7.22	1.00	1987	1983
<i>850</i>	272	1510	272	15.3	25.6	9.0	243	0.2	272	292	2.6	4.9	6.85	1.24	1987	1983
<i>800</i>	272	2022	272	12.5	23.2	5.0	202	-3.8	272	294	2.9	5.7	7.58	1.72	1987	1982
<i>750</i>	272	2553	272	9.8	21.2	0.4	152	-6.9	271	288	4.2	7.1	14.25	2.25	1987	1981
<i>700</i>	272	3129	272	7.0	18.8	-4.1	87	-8.9	271	285	5.8	8.0	12.08	2.42	1990	1981
<i>650</i>	272	3728	272	3.8	16.2	-5.1	61	-11.5	271	281	8.0	9.8	21.90	2.61	1990	1984
<i>600</i>	272	4380	271	0.3	13.8	-8.9	45	-13.9	269	279	10.6	12.1	22.24	2.52	1990	1989
<i>550</i>	270	5087	270	-3.7	10.0	-13.3	36	-16.5	270	276	13.9	15.2	29.52	2.35	1990	1989
<i>500</i>	268	5819	268	-8.5	5.6	-18.7	30	-20.7	267	275	17.1	18.3	34.44	2.57	1990	1984
<i>450</i>	267	6623	267	-13.8	1.0	-25.1	21	-23.2	264	274	21.0	22.2	42.63	2.59	1990	1989
<i>400</i>	262	7514	262	-19.9	-5.9	-30.9	19	-28.9	257	272	25.0	26.4	49.87	2.51	1990	1989
<i>350</i>	260	8496	260	-26.2	-12.9	-38.9	15	-33.9	251	269	29.8	31.5	54.39	2.30	1990	1988
<i>300</i>	258	9595	258	-33.4	-21.1	-44.1	9	-38.9	228	266	34.6	36.7	69.16	2.18	1990	1988
<i>250</i>	254	10853	254	-41.5	-28.3	-53.7	3	-44.6	193	262	37.6	40.2	82.55	2.12	1989	1986
<i>200</i>	249	12338	249	-51.2	-41.7	-63.3			143	260	38.4	40.5	90.91	2.56	1989	1987
<i>175</i>	234	13193	234	-56.6	-45.3	-68.1			89	260	37.7	40.1	94.02	2.76	1983	1985
<i>150</i>	212	14163	212	-62.4	-50.3	-76.7			55	260	36.6	39.0	109.00	3.11	1982	1986
<i>125</i>	198	15279	198	-67.3	-50.1	-85.1			32	259	32.7	34.6	123.13	3.16	1982	1986
<i>100</i>	180	16608	180	-70.3	-53.9	-84.1			24	268	21.7	24.2	133.97	3.79	1982	1986
<i>80</i>	157	17933	157	-68.3	-55.1	-84.9			16	264	18.1	22.1	152.27	3.83	1982	1986
<i>70</i>	148	18755	147	-65.1	-50.1	-80.7			15	267	14.2	18.9	157.88	3.86	1982	1986
<i>60</i>	141	19681	141	-61.4	-47.7	-73.5			11	279	9.7	12.0	166.62	3.35	1982	1986
<i>50</i>	128	20823	128	-57.0	-43.9	-68.5			9	275	6.1	8.4	167.21	3.43	1982	1988
<i>40</i>	113	22235	113	-52.8	-42.1	-64.1			8	274	8.1	9.3	189.97	3.25	1982	1984
<i>30</i>	85	24104	85	-48.4	-38.5	-59.1			5	262	10.1	10.4	235.15	3.81	1982	1984
<i>25</i>	71	25302	71	-45.7	-37.7	-58.5			5	257	7.0	7.4	235.28	3.14	1982	1981
<i>20</i>	52	26834	52	-43.4	-34.5	-54.1			4	247	5.1	5.7	284.03	3.84	1983	1988
<i>15</i>	29	28708	29	-41.4	-29.7	-51.5			1	247	4.0	4.0	310.09	3.80	1983	1988
<i>10</i>	17	31576	17	-37.7	-27.3	-49.5									1983	1986
<i>7</i>	3	33956	3	-40.8	-37.7	-44.9									1988	1988

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N P ALT

N P ALT T

N P ALT T

270	599	441		15	166	1362	-63.1		173	105	1637	-71.8
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NORMALS OF RADIOSONDE DATA

42379 GORAKHPUR

DECEMBER 1981-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	309	1006	309	11.8	17.2	6.0	309	10.4	309	290	0.1	0.4	1.18	0.93	1985	1989
1000	273	137	264	12.7	19.0	6.0	264	9.9	261	301	1.3	2.3	10.83	0.84	1981	1989
950	270	543	270	16.5	24.4	4.8	268	6.7	268	296	2.1	4.4	15.13	1.15	1982	1982
900	270	1032	270	14.6	24.8	4.0	263	2.0	268	291	2.3	4.9	9.95	1.02	1990	1989
850	270	1513	270	12.5	24.8	2.4	242	-2.4	268	288	3.7	6.0	9.96	1.13	1990	1981
800	270	2020	269	10.4	21.8	0.4	190	-5.7	268	286	5.3	7.4	10.16	1.47	1987	1981
750	270	2549	270	8.0	19.0	-3.9	129	-8.0	268	286	7.3	9.3	16.20	1.66	1987	1982
700	270	3120	270	5.4	16.8	-4.7	95	-10.3	268	284	9.3	11.0	13.16	1.86	1987	1986
650	265	3715	265	2.3	14.0	-7.9	74	-13.5	262	282	11.6	13.0	21.43	1.92	1987	1983
600	263	4367	263	-1.2	10.8	-12.1	59	-15.4	259	279	14.2	15.5	18.33	1.94	1987	1989
550	263	5068	263	-5.4	6.0	-16.1	49	-18.1	256	276	17.3	18.6	27.27	2.03	1987	1989
500	262	5797	262	-10.2	1.8	-22.3	44	-22.3	250	273	20.9	22.3	29.13	2.04	1990	1983
450	259	6599	259	-15.5	-3.9	-26.1	39	-27.1	242	271	25.2	26.8	37.88	2.05	1987	1986
400	258	7483	258	-21.5	-9.5	-30.7	32	-32.0	223	271	28.4	30.3	42.15	2.15	1988	1986
350	256	8455	255	-28.2	-17.9	-39.7	26	-39.4	196	267	31.6	33.4	52.04	2.41	1987	1983
300	252	9549	252	-35.4	-22.1	-47.9	13	-43.3	165	264	36.2	38.7	58.33	2.79	1989	1983
250	246	10796	245	-44.0	-27.7	-57.1	4	-47.1	121	265	38.7	41.7	73.12	3.29	1989	1990
200	229	12262	227	-53.3	-36.1	-64.9	1	-59.7	78	262	40.2	42.7	97.66	3.42	1989	1985
175	211	13115	211	-57.6	-43.3	-70.7			53	263	42.1	44.1	106.75	3.39	1982	1986
150	194	14085	194	-61.9	-46.3	-74.5			40	261	39.5	41.4	122.67	3.25	1982	1986
125	176	15207	176	-66.2	-47.7	-78.1			27	262	33.8	35.0	145.74	3.72	1982	1986
100	155	16559	155	-69.6	-56.3	-82.1			22	262	25.5	27.3	168.87	4.12	1981	1983
80	139	17892	139	-69.2	-53.1	-80.1			17	258	21.0	21.5	182.58	3.80	1981	1983
70	132	18709	131	-66.7	-51.3	-79.3			17	258	18.8	19.3	195.75	3.58	1981	1390
60	121	19630	121	-63.0	-44.1	-77.1			15	247	12.1	12.9	210.08	4.06	1982	1990
50	105	20748	105	-59.5	-43.9	-72.5			13	266	10.2	12.5	229.00	3.75	1981	1987
40	97	22162	96	-55.3	-40.9	-70.1			11	292	2.6	5.9	222.93	3.85	1982	1987
30	80	24010	80	-51.6	-37.1	-67.5			10	268	4.4	8.2	250.07	4.30	1982	1987
25	60	25200	60	-49.7	-35.5	-65.9			7	303	5.0	8.1	314.84	5.84	1982	1987
20	43	26749	43	-47.0	-33.9	-57.9			5	275	5.5	9.8	297.40	4.84	1982	1984
15	29	28617	29	-44.5	-35.3	-55.9			5	193	2.4	11.2	290.91	4.84	1981	1984
10	15	31368	15	-39.6	-30.3	-52.7			1	082	10.0	10.0			1982	1984
7	4	33782	4	-39.8	-33.1	-49.9									1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

268	621	411		40	165	1343	-61.9		148	102	1648	-71.4
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NORMALS OF RADIOSONDE DATA

42361 GWALIOR

JANUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	360	992	360	9.1	19.0	2.2	360	6.4	360	014	0.2	0.5	0.96	0.95	1990	1990
1000	267	143											7.69			
950	267	551	267	14.6	23.6	6.6	265	4.4	256	015	1.8	4.8	19.41	1.53	1990	1983
900	267	1029	267	13.8	27.2	4.8	248	0.6	256	324	2.1	5.4	11.38	1.81	1990	1983
850	267	1509	266	11.7	28.2	3.4	207	-1.6	256	289	4.2	6.3	12.50	2.04	1990	1981
800	267	2013	265	9.3	25.0	0.0	173	-4.4	255	284	5.8	7.5	14.30	2.22	1990	1981
750	267	2543	266	6.7	20.4	-5.1	145	-7.0	255	279	7.5	9.0	15.29	2.33	1990	1982
700	267	3109	267	3.9	15.0	-8.1	112	-10.1	256	277	9.2	10.6	19.99	2.20	1990	1981
650	264	3708	264	0.5	11.0	-11.5	90	-13.0	244	277	11.1	12.6	22.92	2.20	1990	1981
600	261	4346	261	-3.1	7.8	-12.9	75	-16.5	235	276	13.8	15.1	28.07	2.27	1990	1981
550	253	5031	252	-7.3	6.8	-17.1	64	-20.1	222	275	16.1	17.6	36.54	2.51	1989	1981
500	247	5767	246	-12.0	0.4	-21.1	54	-24.9	214	274	19.0	20.5	40.57	2.69	1990	1981
450	241	6567	239	-17.3	-5.7	-28.7	42	-29.0	192	272	22.4	24.1	50.38	2.93	1990	1982
400	236	7440	235	-22.8	-11.3	-33.9	36	-32.8	179	272	26.4	28.5	58.62	3.00	1990	1979
350	226	8405	226	-29.1	-17.5	-41.1	27	-38.4	156	268	31.3	33.2	70.97	3.39	1988	1981
300	209	9494	208	-35.8	-24.7	-49.3	4	-43.7	133	266	35.3	37.9	86.69	3.92	1987	1982
250	181	10739	181	-43.5	-31.1	-58.9			103	266	39.9	42.7	115.66	4.30	1990	1982
200	150	12215	150	-51.5	-40.7	-66.3			79	265	39.0	41.7	143.81	4.13	1990	1979
175	119	13056	119	-55.7	-46.3	-69.3			66	265	41.3	44.2	157.46	4.36	1985	1979
150	103	14005	103	-60.5	-49.1	-77.3			62	265	40.7	43.6	184.45	4.97	1987	1979
125	84	15102	84	-66.0	-56.7	-77.9			54	267	42.5	44.7	196.89	3.75	1983	1982
100	73	16434	72	-69.1	-58.3	-78.3			45	264	32.1	34.9	242.34	4.21	1982	1981
80	55	17755	55	-68.3	-59.3	-77.3			34	259	21.9	24.5	247.53	3.54	1981	1982
70	50	18553	50	-65.9	-52.3	-74.9			28	262	18.6	20.4	255.17	4.10	1984	1982
60	44	19504	44	-62.8	-52.1	-69.9			25	265	12.9	20.4	224.03	3.52	1981	1981
50	40	20647	40	-59.3	-45.3	-66.1			20	267	9.0	21.0	218.68	3.40	1981	1990
40	28	22037	28	-55.2	-43.9	-61.9			15	247	5.8	27.4	184.76	1.82	1981	1982
30	15	23901	15	-51.1	-45.5	-54.9			10	088	13.7	20.6			1981	1981
25	8	25171	8	-48.7	-41.5	-53.9			4	075	14.5	22.0			1981	1981
20	6	26649	6	-46.3	-38.5	-52.1			1	089	20.0	20.0			1981	1984
15	3	28713	3	-43.4	-35.7	-47.9									1981	1990
10	2	31397	2	-43.2	-42.9	-43.5									1983	1990
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

260 645 379

11 225 1134 -57.6

58 104 1630 -70.7

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

FEBRUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	336	989	336	11.7	24.6	3.8	336	7.3	336	360	0.4	0.7	1.55	1.07	1990	1984
1000	293	119											11.33			
950	294	535	293	16.6	27.6	7.8	290	5.1	287	008	1.6	5.7	16.58	2.10	1990	1986
900	294	1012	294	15.4	27.0	6.4	278	1.8	287	313	2.4	6.2	11.57	2.37	1990	1979
850	294	1495	294	12.7	24.8	3.8	262	-1.5	287	288	5.1	7.5	13.86	2.32	1990	1979
800	294	2000	294	9.7	21.6	0.8	227	-3.9	287	285	6.8	8.8	16.08	2.19	1990	1983
750	294	2530	293	6.5	17.8	-4.1	196	-5.9	287	280	8.3	10.2	19.53	2.08	1988	1983
700	294	3095	293	3.1	14.0	-6.5	174	-9.1	287	278	10.5	12.2	21.52	2.13	1988	1983
650	291	3690	290	-0.2	10.6	-10.1	144	-11.8	283	276	12.1	14.2	21.16	1.98	1990	1983
600	290	4330	288	-3.9	7.2	-13.3	123	-15.2	273	275	14.8	16.8	27.11	2.00	1988	1984
550	284	5015	282	-7.9	3.8	-18.3	103	-19.6	262	274	17.6	19.4	37.84	2.18	1988	1984
500	278	5747	275	-12.6	-2.1	-22.9	83	-23.0	246	276	21.4	23.4	35.28	2.31	1988	1984
450	274	6543	269	-17.6	-6.7	-28.9	72	-27.4	230	276	25.7	28.2	43.75	2.51	1988	1983
400	269	7416	268	-23.1	-10.7	-32.9	54	-33.9	217	275	29.3	32.0	48.83	2.99	1990	1979
350	259	8383	256	-29.1	-12.3	-41.3	30	-39.0	190	274	34.6	37.8	61.50	3.50	1990	1979
300	245	9473	242	-35.5	-20.3	-48.5	10	-44.4	161	273	38.1	41.9	76.85	3.81	1990	1990
250	228	10721	225	-42.8	-29.5	-56.7	2	-43.1	126	271	40.8	44.5	96.03	4.13	1990	1979
200	208	12196	207	-51.3	-41.9	-62.5			102	268	43.3	47.5	117.23	3.77	1985	1979
175	184	13050	182	-55.8	-41.9	-70.5			84	272	44.8	49.2	119.41	3.61	1987	1979
150	162	14017	162	-60.5	-43.5	-76.1			66	269	44.5	49.2	139.81	5.34	1987	1979
125	132	15126	132	-64.9	-49.1	-74.1			47	267	36.9	40.5	116.19	3.13	1987	1982
100	111	16459	110	-69.6	-52.5	-79.7			38	276	35.6	38.9	153.65	4.23	1987	1985
80	90	17770	89	-69.3	-58.9	-80.1			30	272	26.6	29.9	159.84	3.62	1982	1981
70	87	18575	86	-67.0	-56.1	-77.9			26	274	20.9	25.5	160.21	3.81	1990	1981
60	78	19512	77	-63.6	-50.5	-73.9			24	273	12.7	22.2	162.22	3.63	1983	1985
50	67	20623	67	-59.7	-48.9	-70.1			20	295	6.1	18.0	186.80	4.89	1984	1985
40	55	22007	55	-56.1	-48.5	-64.9			21	117	8.5	20.9	184.90	3.01	1981	1985
30	37	23859	37	-51.8	-43.9	-58.3			15	101	14.4	21.9	194.86	2.12	1982	1982
25	22	25046	22	-49.8	-43.1	-56.7			8	101	6.2	24.1	67.54	2.93	1981	1984
20	11	26580	11	-49.0	-35.5	-57.1			2	165	19.7	20.0			1985	1984
15	4	28511	4	-47.8	-46.1	-50.9									1983	1984
10	3	31216	3	-46.6	-44.5	-50.1									1984	1984
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
292	654	365	17	221	1147	-56.2	96	103	1634	-70.3

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

MARCH 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	363	987	363	17.0	26.4	8.4	363	9.3	363	348	0.3	0.7	1.08	1.00	1989	1990
<i>1000</i>	315	94											6.33			
<i>950</i>	316	517	316	21.0	31.4	8.0	307	6.7	308	002	1.6	5.8	15.58	1.79	1984	1990
<i>900</i>	316	1000	315	20.1	33.4	6.2	297	3.2	308	312	2.6	6.5	5.94	1.96	1989	1990
<i>850</i>	315	1489	316	16.9	28.2	0.8	280	0.3	309	289	5.4	7.4	7.95	1.98	1990	1990
<i>800</i>	316	2003	316	13.3	24.6	3.0	257	-2.3	309	286	7.4	8.9	9.75	1.95	1987	1983
<i>750</i>	316	2536	315	9.3	21.4	-2.9	238	-4.9	308	281	9.4	10.9	14.16	1.85	1988	1983
<i>700</i>	315	3108	314	5.5	18.0	-5.5	200	-7.5	307	279	10.9	12.2	15.09	1.79	1988	1980
<i>650</i>	312	3706	312	1.4	14.0	-8.1	173	-11.0	297	277	12.3	13.6	16.36	1.85	1988	1981
<i>600</i>	306	4349	304	-2.6	9.0	-11.7	150	-15.0	283	275	13.8	15.1	20.80	1.86	1988	1979
<i>550</i>	301	5035	299	-6.9	5.0	-15.1	116	-18.6	268	275	16.0	17.3	29.48	1.94	1988	1981
<i>500</i>	291	5771	288	-11.6	0.2	-20.3	90	-23.2	253	274	18.6	20.0	28.16	2.05	1988	1981
<i>450</i>	284	6570	280	-16.8	-3.1	-27.1	77	-27.0	232	275	21.8	23.0	34.72	2.21	1988	1981
<i>400</i>	275	7446	272	-22.7	-7.9	-34.7	65	-32.4	210	275	25.1	26.5	40.42	2.32	1988	1981
<i>350</i>	265	8415	260	-29.0	-15.1	-43.3	50	-38.5	182	277	27.9	29.7	50.60	2.67	1988	1981
<i>300</i>	253	9503	249	-36.2	-22.7	-51.5	20	-43.9	157	277	31.9	33.9	67.04	3.16	1990	1981
<i>250</i>	233	10749	231	-43.7	-30.1	-59.7			134	276	35.6	37.9	85.17	3.59	1990	1979
<i>200</i>	202	12223	200	-50.9	-41.1	-63.1			104	273	38.6	41.1	115.95	3.42	1983	1979
<i>175</i>	176	13084	174	-54.5	-44.7	-66.7			86	275	43.3	45.7	133.01	2.51	1981	1985
<i>150</i>	154	14055	154	-59.3	-48.1	-69.7			74	273	41.0	42.8	127.00	2.42	1981	1981
<i>125</i>	133	15164	133	-64.6	-51.9	-74.1			63	273	36.0	37.1	101.32	2.38	1983	1979
<i>100</i>	118	16501	115	-68.6	-55.9	-80.5			51	273	35.5	37.2	114.16	2.50	1983	1979
<i>80</i>	102	17837	101	-69.0	-58.1	-75.5			40	272	24.9	28.2	102.01	1.74	1983	1980
<i>70</i>	94	18645	93	-67.2	-57.9	-77.9			39	271	20.5	25.2	98.41	2.66	1981	1983
<i>60</i>	87	19582	87	-64.4	-54.9	-74.3			31	271	14.6	22.3	116.82	2.31	1989	1983
<i>50</i>	83	20710	83	-59.7	-49.7	-70.1			29	279	5.1	16.4	121.01	3.15	1989	1984
<i>40</i>	76	22118	76	-55.2	-44.1	-66.1			27	002	3.6	16.1	131.52	3.79	1989	1982
<i>30</i>	69	23968	69	-50.7	-40.1	-63.1			31	077	6.0	17.4	127.63	4.25	1989	1982
<i>25</i>	58	25138	58	-48.2	-38.5	-61.1			24	029	4.6	19.3	119.08	4.07	1989	1982
<i>20</i>	38	26629	38	-46.0	-33.5	-58.7			14	075	4.7	17.8	156.87	4.77	1983	1982
<i>15</i>	15	28571	15	-46.0	-38.1	-55.5			5	272	5.4	21.4			1989	1982
<i>10</i>	8	31340	8	-43.6	-35.5	-50.1									1983	1987
<i>7</i>	2	33443	2	-43.3	-41.7	-44.9									1989	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
306	631	396	17	231	1114	-53.0	110	098	1664	-70.3

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

APRIL 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	340	983	340	23.4	36.2	15.2	340	9.4	340	302	0.5	0.9	0.76	1.35	1988	1983
1000	301	53											8.90			
950	301	486	301	26.9	38.0	16.6	293	7.4	298	325	1.5	5.7	15.63	1.63	1990	1983
900	301	978	299	25.8	38.0	13.2	268	4.6	298	315	3.2	6.6	6.66	1.87	1990	1982
850	301	1477	297	22.4	35.4	10.6	261	2.0	297	299	4.9	6.8	7.21	1.71	1989	1984
800	301	1998	299	18.5	30.6	8.8	255	-0.5	297	294	6.8	8.3	9.26	1.81	1989	1990
750	301	2542	301	14.0	26.6	4.2	247	-3.0	296	290	8.4	9.5	14.45	1.88	1990	1990
700	301	3123	301	9.2	19.8	0.2	237	-5.8	297	285	9.3	10.7	14.27	1.76	1989	1979
650	298	3727	298	4.5	14.4	-4.1	214	-8.8	280	283	10.2	11.9	14.07	1.76	1989	1983
600	295	4377	294	0.2	10.8	-8.5	188	-12.3	266	281	11.5	13.2	21.24	1.71	1989	1979
550	288	5071	288	-4.3	6.0	-13.3	145	-16.7	254	281	12.3	14.1	33.71	1.85	1989	1979
500	286	5816	286	-9.0	0.0	-21.1	101	-21.4	247	280	13.8	15.4	29.00	1.99	1989	1979
450	283	6624	283	-14.4	-3.7	-26.7	82	-25.8	227	281	15.1	16.9	33.52	2.12	1989	1979
400	281	7508	281	-20.4	-8.9	-31.3	59	-30.1	213	280	17.6	19.8	38.81	2.18	1989	1979
350	278	8483	276	-26.9	-14.9	-37.3	47	-36.3	186	280	20.5	22.7	47.85	2.47	1990	1983
300	261	9582	257	-34.0	-21.3	-44.1	27	-41.7	166	279	23.2	25.6	57.63	2.60	1990	1979
250	244	10840	240	-42.1	-29.5	-53.5	3	-42.2	136	279	26.4	29.4	68.70	3.18	1990	1979
200	216	12334	216	-50.1	-37.5	-62.1			118	276	28.3	31.2	89.35	3.27	1988	1982
175	197	13198	197	-54.0	-39.7	-66.9			103	275	29.4	32.0	100.67	2.99	1988	1981
150	176	14176	176	-58.8	-42.9	-72.9			94	273	28.1	30.3	107.08	2.90	1988	1981
125	152	15296	152	-64.4	-48.9	-77.1			79	275	25.4	27.4	120.45	3.18	1987	1981
100	131	16635	131	-68.5	-46.1	-79.3			70	276	22.2	25.2	144.62	3.78	1987	1979
80	105	17959	105	-69.2	-43.9	-81.3			59	281	14.8	21.4	158.35	6.95	1987	1979
70	98	18764	98	-67.2	-42.1	-78.9			57	284	12.7	20.1	212.87	8.32	1987	1979
60	93	19692	93	-63.1	-40.1	-76.1			52	285	6.3	17.1	226.31	7.84	1987	1979
50	85	20826	85	-58.4	-44.7	-70.5			47	306	5.8	16.2	185.88	4.88	1989	1979
40	76	22234	75	-53.0	-38.3	-62.9			40	102	2.9	15.4	212.92	4.17	1989	1983
30	63	24116	63	-47.6	-32.1	-60.7			30	049	3.8	14.0	173.57	3.21	1989	1988
25	50	25300	49	-45.5	-37.3	-52.3			22	320	5.6	15.8	163.22	2.24	1986	1982
20	35	26808	35	-43.9	-36.1	-55.5			13	303	5.9	17.5	211.60	2.19	1990	1988
15	21	28737	21	-42.7	-32.9	-53.7			5	268	24.2	27.4	272.71	3.45	1984	1989
10	12	31489	12	-40.8	-34.5	-57.5			2	299	21.4	25.0			1984	1989
7	2	34338	2	-34.9	-34.9	-34.9									1984	1984

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

293 599 440

10 224 1147 -53.4

109 098 1678 -70.6

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

MAY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	356	979	356	28.5	37.4	19.0	356	13.6	356	283	0.9	1.6	2.00	1.95	1988	1979
1000	319	21											20.16			
950	319	460	319	30.1	39.2	15.4	309	11.9	294	282	1.8	6.4	24.32	1.80	1988	1987
900	319	958	316	28.7	40.8	15.2	291	9.3	294	295	3.7	7.0	15.45	2.02	1989	1987
850	319	1461	318	25.4	36.0	9.8	288	6.8	293	298	4.7	6.8	12.59	2.08	1989	1982
800	319	1988	319	21.4	30.6	10.8	289	4.1	294	299	5.7	7.3	9.84	2.14	1990	1987
750	319	2537	317	16.8	27.6	7.4	280	1.4	293	298	7.1	8.4	7.08	2.13	1990	1987
700	319	3123	317	11.7	23.6	0.4	278	-1.5	293	294	7.6	9.3	7.67	2.07	1990	1987
650	314	3732	312	6.5	19.6	-1.7	266	-4.9	270	291	8.1	9.8	6.83	2.06	1990	1987
600	310	4385	310	1.8	15.8	-6.5	233	-8.9	257	291	8.7	10.6	13.36	2.15	1990	1979
550	305	5085	302	-2.6	11.2	-10.9	181	-13.2	244	288	8.6	10.4	22.25	2.07	1990	1979
500	300	5831	297	-6.9	8.2	-15.9	126	-17.6	236	286	9.2	11.2	22.66	2.24	1990	1982
450	296	6647	291	-11.6	5.0	-21.1	83	-22.1	221	284	10.6	12.7	33.92	2.40	1990	1982
400	293	7538	290	-17.2	-1.3	-27.3	57	-27.3	211	281	12.9	15.1	36.72	2.75	1990	1979
350	286	8527	284	-23.4	-7.5	-34.9	45	-32.9	201	277	14.7	17.1	45.83	3.19	1990	1979
300	273	9639	272	-30.7	-14.9	-44.7	25	-39.4	187	273	17.6	20.1	60.95	3.43	1990	1982
250	257	10911	257	-39.2	-25.1	-51.7	4	-44.3	160	265	19.8	22.1	80.85	3.60	1990	1979
200	238	12408	237	-48.8	-36.5	-60.9	1	-41.9	139	263	21.1	23.6	100.03	3.24	1990	1982
175	218	13279	217	-54.0	-42.7	-66.1			123	264	20.4	22.9	107.77	2.74	1990	1982
150	197	14248	197	-59.9	-48.1	-72.5			112	261	18.2	20.4	118.95	2.64	1990	1979
125	171	15370	171	-66.1	-53.1	-80.5			99	260	15.7	17.9	144.41	3.60	1987	1979
100	151	16700	151	-70.9	-58.9	-81.5			89	261	11.8	14.7	164.58	2.59	1990	1980
80	132	18038	132	-70.3	-54.5	-81.3			76	273	3.7	13.2	189.61	3.55	1986	1979
70	124	18835	124	-67.1	-49.9	-79.1			75	039	1.1	13.1	211.58	3.77	1986	1979
60	116	19785	116	-62.1	-43.9	-74.5			68	069	3.1	12.0	212.28	3.83	1986	1982
50	102	20921	101	-56.5	-38.9	-68.7			59	084	7.6	12.8	223.17	3.71	1986	1990
40	90	22360	90	-51.2	-32.9	-62.1			53	095	9.6	12.4	238.72	3.84	1986	1990
30	72	24249	72	-46.1	-26.1	-56.1			43	093	11.3	13.3	231.98	3.43	1986	1982
25	57	25438	57	-43.8	-22.9	-53.1			33	094	8.1	12.3	261.98	3.78	1986	1982
20	42	26930	42	-42.6	-28.7	-51.5			22	096	8.3	11.3	196.19	3.91	1990	1982
15	28	28919	28	-40.8	-28.9	-50.7			11	083	7.5	12.0	233.97	2.40	1990	1982
10	16	31669	16	-37.6	-28.5	-48.5			4	117	9.3	14.8			1984	1982
7	7	34307	7	-33.8	-28.1	-39.1			1	121	12.0	12.0			1990	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
302	579	467	6	194	1283	-54.9	139	096	1699	-72.5

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

JUNE 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	343	975	343	30.5	37.4	24.0	343	19.4	342	277	1.5	2.3	1.19	0.91	1979	1983
<i>1000</i>	309	-15											14.72			
<i>950</i>	309	428	308	30.2	38.0	21.6	305	17.1	283	282	3.5	6.9	19.62	1.05	1979	1980
<i>900</i>	309	924	308	28.2	37.0	19.2	299	14.2	283	294	5.0	8.1	12.91	1.12	1988	1983
<i>850</i>	309	1429	308	25.1	33.0	11.4	297	11.5	283	309	5.1	7.4	13.72	1.09	1988	1987
<i>800</i>	309	1960	308	21.4	28.0	14.8	296	8.8	283	322	4.8	6.8	16.59	1.09	1988	1983
<i>750</i>	309	2515	309	17.2	24.2	10.0	295	5.8	281	327	4.8	7.1	14.54	1.12	1988	1990
<i>700</i>	309	3097	309	12.8	20.8	4.8	291	2.8	283	327	4.8	7.3	16.73	1.22	1988	1990
<i>650</i>	303	3712	302	8.2	16.2	0.8	276	-1.3	264	328	5.2	7.7	14.05	1.27	1988	1979
<i>600</i>	299	4368	297	3.9	12.2	-4.5	257	-5.4	250	328	5.2	7.9	18.26	1.27	1988	1981
<i>550</i>	295	5078	293	-0.1	9.0	-9.3	231	-9.0	238	319	5.0	8.2	26.66	1.32	1988	1979
<i>500</i>	291	5828	291	-3.6	5.2	-12.9	192	-12.5	233	298	4.3	7.5	22.61	1.46	1988	1989
<i>450</i>	288	6662	287	-7.2	6.8	-18.1	139	-16.3	223	291	4.0	8.2	26.56	1.46	1989	1979
<i>400</i>	279	7566	278	-12.0	-1.3	-25.1	105	-21.7	209	291	4.0	9.1	28.98	1.65	1988	1979
<i>350</i>	271	8580	269	-17.8	-6.5	-30.3	68	-26.8	196	286	5.0	9.9	37.43	1.67	1988	1979
<i>300</i>	267	9715	266	-25.1	-13.9	-36.3	46	-33.3	186	273	4.8	10.4	42.41	1.74	1988	1979
<i>250</i>	258	11017	258	-34.2	-23.3	-44.1	30	-42.0	173	267	5.9	11.1	52.26	1.91	1988	1979
<i>200</i>	236	12541	236	-46.1	-36.1	-56.9			157	252	5.5	11.9	62.31	2.01	1988	1987
<i>175</i>	218	13415	218	-53.0	-43.1	-62.1			147	248	5.1	11.8	71.87	2.03	1988	1979
<i>150</i>	194	14392	194	-60.5	-49.9	-71.9			133	233	3.1	11.0	78.93	2.06	1988	1985
<i>125</i>	166	15498	166	-68.4	-46.5	-77.9			109	159	1.4	10.8	92.26	2.32	1990	1987
<i>100</i>	125	16803	125	-73.6	-60.9	-86.9			84	077	4.2	10.2	98.32	3.75	1988	1979
<i>80</i>	107	18122	107	-72.1	-52.1	-83.5			70	077	8.4	11.6	112.38	4.54	1987	1979
<i>70</i>	98	18913	98	-69.0	-52.1	-82.5			67	082	10.5	12.6	128.36	4.51	1990	1979
<i>60</i>	88	19842	88	-64.7	-46.1	-77.1			63	087	12.0	12.9	129.03	5.09	1990	1984
<i>50</i>	81	20968	81	-58.0	-39.3	-70.1			57	091	13.2	14.2	158.09	5.28	1990	1984
<i>40</i>	75	22391	75	-52.1	-33.3	-62.1			53	086	14.5	15.0	169.09	3.89	1990	1984
<i>30</i>	63	24247	63	-48.1	-34.9	-58.7			46	091	15.5	16.4	184.29	3.86	1990	1987
<i>25</i>	55	25428	54	-45.5	-36.7	-56.9			41	089	14.8	15.8	183.04	3.99	1982	1987
<i>20</i>	39	27011	39	-42.3	-34.5	-54.7			28	088	17.8	18.7	142.83	4.39	1982	1987
<i>15</i>	27	28894	27	-40.9	-33.5	-51.9			16	094	19.7	20.4	145.35	4.27	1984	1987
<i>10</i>	14	31621	14	-36.5	-29.1	-47.7			7	104	17.9	18.5			1984	1987
<i>7</i>	2	34127	2	-33.1	-31.5	-34.7									1988	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
293	548	509	1	156	1400	-70.5	124	099	1691	-74.8

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

JULY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	350	975	350	27.9	35.4	23.4	350	23.6	350	274	1.3	1.8	1.04	0.87	1990	1986
1000	315	-15											9.47			
950	315	422	314	27.0	33.8	21.0	313	22.6	254	271	4.1	7.0	19.29	0.97	1982	1986
900	315	918	315	25.1	32.2	18.0	314	20.5	254	286	5.4	8.5	9.06	0.99	1983	1985
850	315	1419	315	22.3	29.8	14.0	313	17.8	253	299	3.9	7.2	10.30	0.95	1983	1986
800	315	1943	315	19.3	28.8	12.4	313	15.4	254	316	2.7	6.6	10.85	0.82	1989	1986
750	315	2496	315	16.1	23.8	8.6	311	12.5	254	328	2.2	6.1	12.13	0.65	1987	1985
700	315	3079	315	12.8	20.0	5.6	309	8.9	254	342	1.9	6.0	12.76	0.77	1987	1985
650	313	3696	313	9.6	17.0	3.0	306	4.5	230	360	1.3	6.0	15.31	0.92	1987	1985
600	309	4358	309	6.3	13.6	-1.5	304	0.1	219	011	0.9	5.8	16.87	1.08	1987	1979
550	302	5074	300	2.8	9.0	-4.3	286	-3.7	204	063	1.0	5.8	26.19	1.09	1980	1980
500	302	5833	300	-1.2	5.6	-8.9	276	-7.7	199	117	1.1	6.4	20.45	1.18	1988	1985
450	298	6671	295	-5.3	1.8	-13.5	255	-12.3	189	123	1.7	6.4	27.48	1.22	1988	1985
400	295	7587	294	-10.1	-3.7	-18.1	236	-17.7	182	108	2.4	6.7	28.24	1.30	1988	1985
350	292	8605	292	-16.0	-7.5	-23.9	205	-23.9	175	112	3.2	6.7	33.15	1.38	1987	1985
300	282	9753	281	-23.5	-12.3	-31.9	161	-31.2	163	111	3.6	6.9	37.23	1.51	1988	1990
250	271	11063	270	-33.1	-24.9	-41.9	102	-40.1	154	112	5.0	8.0	43.93	1.73	1988	1990
200	255	12592	255	-45.7	-37.5	-57.1	6	-47.4	148	104	6.9	10.2	51.79	1.77	1980	1981
175	234	13468	234	-53.1	-42.1	-66.3			132	100	7.9	10.9	56.40	1.79	1988	1981
150	206	14448	206	-61.0	-48.1	-75.5			116	095	11.0	13.3	70.68	2.07	1988	1981
125	162	15557	162	-69.1	-55.5	-79.3			91	085	12.6	15.0	99.62	2.31	1988	1982
100	131	16856	131	-74.0	-60.1	-83.1			74	083	15.5	17.1	116.88	2.90	1988	1987
80	105	18155	105	-71.4	-58.7	-81.7			60	080	18.3	18.9	128.01	3.05	1989	1987
70	93	18957	93	-67.3	-54.9	-78.1			56	084	18.5	19.6	137.21	3.17	1989	1979
60	83	19887	83	-62.9	-46.5	-75.7			51	088	17.8	18.3	176.94	3.91	1989	1979
50	72	21026	72	-57.8	-42.5	-70.1			43	089	17.1	17.9	187.58	5.20	1981	1987
40	56	22426	56	-53.8	-37.7	-69.1			35	086	18.7	19.3	215.89	4.12	1989	1990
30	41	24262	41	-49.4	-37.9	-58.1			27	086	21.4	21.7	134.84	3.38	1989	1982
25	35	25435	35	-46.9	-36.9	-54.9			24	091	20.8	21.6	176.32	2.72	1989	1990
20	26	26957	26	-44.0	-35.5	-52.3			18	102	23.5	24.5	193.98	2.93	1989	1990
15	16	28902	16	-42.0	-37.1	-49.7			7	089	21.7	22.4			1982	1990
10	4	31591	4	-41.2	-37.7	-45.7			1	091	29.0	29.0			1985	1990

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

300 515 561

1 134 1522 -71.7

119 102 1676 -75.6

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

AUGUST 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	363	977	363	26.8	34.6	23.4	363	24.0	363	291	0.7	1.9	0.76	0.76	1987	1984
<i>1000</i>	305	-2											7.63			
<i>950</i>	305	434	305	25.9	33.0	21.0	304	22.7	241	297	2.6	6.6	16.02	0.71	1987	1990
<i>900</i>	305	928	305	24.0	31.0	18.4	305	20.4	241	327	2.6	7.5	9.14	0.65	1987	1987
<i>850</i>	305	1427	305	21.3	27.8	10.0	305	17.5	242	012	2.7	7.0	9.64	0.70	1988	1980
<i>800</i>	305	1951	305	18.4	28.0	12.2	303	14.8	241	027	2.9	6.8	10.08	0.62	1988	1990
<i>750</i>	305	2504	305	15.5	26.0	8.8	302	11.3	241	035	3.1	6.8	10.75	0.60	1988	1990
<i>700</i>	305	3085	304	12.5	23.0	5.0	300	7.4	242	041	3.0	6.5	12.09	0.79	1988	1979
<i>650</i>	296	3701	294	9.3	18.2	2.2	288	3.1	223	053	2.7	6.2	13.32	0.95	1988	1979
<i>600</i>	289	4362	288	6.0	12.8	-5.1	278	-0.8	212	074	2.2	6.2	13.92	1.05	1988	1986
<i>550</i>	285	5080	282	2.6	8.8	-7.5	259	-4.6	202	088	2.1	6.2	20.60	1.01	1990	1979
<i>500</i>	276	5837	274	-1.3	5.0	-8.1	238	-8.9	200	093	2.3	6.5	18.43	1.05	1990	1989
<i>450</i>	269	6677	268	-5.4	1.2	-11.1	212	-14.0	187	093	2.4	6.8	24.96	1.28	1989	1979
<i>400</i>	261	7589	261	-10.5	-1.9	-17.1	184	-19.1	179	091	3.2	6.9	25.71	1.39	1987	1982
<i>350</i>	258	8607	256	-16.4	-8.5	-24.3	157	-25.5	164	095	3.8	6.7	28.98	1.66	1988	1979
<i>300</i>	249	9752	246	-23.9	-15.1	-33.1	120	-32.5	155	100	4.9	7.4	37.98	1.76	1988	1982
<i>250</i>	232	11057	229	-33.4	-23.9	-44.9	72	-41.6	138	098	5.4	8.0	47.39	1.94	1988	1982
<i>200</i>	218	12593	217	-45.6	-35.3	-57.7			130	100	7.4	9.9	61.81	2.55	1988	1979
<i>175</i>	204	13465	203	-53.0	-41.9	-66.7			119	098	8.5	11.1	72.19	2.70	1988	1979
<i>150</i>	179	14444	178	-60.9	-49.9	-73.5			103	095	9.0	10.8	88.12	2.69	1988	1979
<i>125</i>	148	15555	146	-68.9	-57.1	-81.7			84	089	11.8	13.2	118.43	2.62	1988	1982
<i>100</i>	128	16882	127	-73.0	-63.1	-82.3			74	084	13.0	14.1	136.53	2.60	1981	1980
<i>80</i>	120	18197	119	-70.9	-60.9	-80.7			70	085	15.6	16.1	154.78	3.02	1989	1982
<i>70</i>	114	19002	114	-66.8	-54.1	-78.5			63	088	15.2	15.6	169.22	3.39	1981	1980
<i>60</i>	108	19938	108	-62.3	-50.9	-73.5			58	092	16.7	17.7	197.28	3.64	1981	1979
<i>50</i>	99	21065	99	-57.5	-46.7	-69.1			49	089	16.6	18.2	209.36	2.77	1981	1984
<i>40</i>	78	22487	77	-53.1	-42.1	-65.1			36	089	18.9	19.8	191.36	2.65	1989	1984
<i>30</i>	62	24341	62	-49.3	-39.5	-60.1			26	092	21.2	21.9	190.77	3.05	1984	1984
<i>25</i>	53	25532	53	-46.7	-34.9	-57.3			19	092	23.7	24.5	229.12	2.38	1990	1984
<i>20</i>	43	27037	43	-44.5	-36.1	-54.1			14	099	22.9	23.9	226.55	2.36	1984	1984
<i>15</i>	32	28999	32	-41.8	-31.7	-48.7			5	093	24.3	24.6	246.67	2.84	1989	1990
<i>10</i>	24	31752	24	-40.2	-31.9	-46.7			1	136	29.0	29.0	258.35	3.24	1989	1986
<i>7</i>	4	34145	4	-43.5	-41.5	-44.5									1988	1983

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

281 516 558

129 102 1679 -74.1

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

SEPTEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	345	981	345	25.5	30.6	19.0	345	22.0	345	297	0.9	1.3	1.27	0.91	1979	1984
<i>1000</i>	307	39											9.83			
<i>950</i>	307	469	307	26.1	34.0	20.0	307	19.9	276	304	2.5	5.7	23.81	0.98	1989	1986
<i>900</i>	307	967	306	24.5	33.6	17.0	305	16.9	276	329	3.2	6.2	10.50	1.14	1989	1987
<i>850</i>	307	1465	307	21.4	32.4	12.4	305	13.8	276	341	3.9	6.4	9.25	1.18	1989	1985
<i>800</i>	307	1987	305	18.0	29.6	10.2	301	10.8	276	346	4.5	6.8	11.08	1.26	1989	1985
<i>750</i>	307	2533	305	14.3	26.4	7.0	298	6.8	275	348	4.9	7.6	12.51	1.46	1989	1979
<i>700</i>	307	3115	306	10.7	22.6	3.6	293	2.0	275	355	4.3	6.8	10.67	1.60	1989	1979
<i>650</i>	303	3727	302	7.1	19.6	-6.9	274	-2.1	257	345	3.1	6.4	12.11	1.68	1989	1982
<i>600</i>	299	4383	298	3.9	15.0	-5.9	245	-5.2	251	316	1.6	6.0	13.61	1.64	1989	1982
<i>550</i>	295	5089	294	0.8	9.2	-9.1	195	-8.1	244	268	1.7	6.2	22.05	1.52	1989	1982
<i>500</i>	291	5846	290	-2.6	5.2	-11.9	155	-12.2	242	266	2.1	6.9	19.85	1.61	1989	1982
<i>450</i>	286	6676	284	-7.0	0.8	-15.9	125	-16.7	232	264	3.1	7.1	25.94	1.82	1988	1982
<i>400</i>	278	7587	273	-12.3	-4.7	-22.3	96	-21.3	225	261	3.8	7.7	33.64	1.92	1990	1982
<i>350</i>	266	8596	262	-18.5	-10.9	-28.9	71	-27.1	212	260	4.9	8.5	34.67	2.10	1983	1982
<i>300</i>	256	9731	254	-26.1	-18.7	-36.9	47	-34.0	200	256	5.8	9.2	46.58	2.17	1987	1982
<i>250</i>	245	11028	244	-35.7	-28.3	-46.7	25	-42.9	181	250	6.9	9.8	56.99	2.46	1987	1982
<i>200</i>	222	12541	221	-48.0	-37.7	-59.1			160	244	7.7	10.5	71.40	2.84	1988	1982
<i>175</i>	209	13407	208	-55.2	-45.1	-66.1			147	244	6.6	10.8	80.27	2.99	1984	1982
<i>150</i>	185	14377	184	-62.9	-51.9	-74.1			130	238	5.2	10.0	91.75	3.43	1989	1983
<i>125</i>	166	15483	166	-70.1	-58.1	-80.9			108	243	2.0	9.3	112.37	4.02	1988	1979
<i>100</i>	144	16799	142	-74.0	-61.9	-82.0			94	093	2.8	9.5	136.20	3.96	1988	1978
<i>80</i>	126	18123	123	-70.3	-59.5	-79.1			80	080	5.8	8.0	142.70	3.14	1982	1981
<i>70</i>	118	18935	116	-65.7	-54.7	-77.5			69	077	6.0	8.6	134.19	2.99	1989	1983
<i>60</i>	109	19874	109	-61.2	-50.1	-70.9			64	087	8.3	9.6	123.73	3.67	1989	1988
<i>50</i>	104	21001	104	-56.6	-46.3	-70.5			62	089	10.2	10.9	129.10	4.74	1984	1988
<i>40</i>	91	22443	91	-52.1	-41.9	-59.3			53	085	11.4	12.1	121.28	2.43	1989	1990
<i>30</i>	75	24360	75	-47.5	-35.7	-57.1			36	091	13.2	14.0	103.64	1.80	1989	1983
<i>25</i>	62	25552	62	-45.7	-35.9	-55.1			26	097	15.6	16.3	201.55	2.76	1983	1990
<i>20</i>	50	27064	50	-43.8	-34.9	-53.9			19	098	14.1	14.9	211.63	1.68	1989	1983
<i>15</i>	36	29013	36	-41.6	-34.1	-50.9			8	094	13.1	13.7	255.31	3.80	1984	1983
<i>10</i>	20	31774	20	-40.7	-32.9	-48.7			3	113	14.8	16.3			1990	1987
<i>7</i>	3	33954	3	-44.6	-42.1	-47.1			1	082	13.0	13.0			1983	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
291	543	518	1	118	1370	-71.7	138	104	1659	-75.0

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

OCTOBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	382	987	382	20.0	30.4	12.8	382	15.4	381	352	0.1	0.5	1.04	0.92	1988	1983
<i>1000</i>	326	86											9.12			
<i>950</i>	326	510	325	24.1	33.4	15.2	322	11.2	322	266	0.7	4.8	19.70	1.43	1987	1985
<i>900</i>	326	1006	325	22.9	34.2	13.8	306	7.2	322	321	1.7	5.1	9.88	1.45	1987	1990
<i>850</i>	326	1500	325	19.5	27.0	6.2	300	4.1	322	324	3.5	6.1	9.95	1.27	1987	1982
<i>800</i>	326	2018	325	15.6	25.0	5.0	286	1.2	322	325	4.7	6.8	11.47	1.36	1988	1986
<i>750</i>	326	2554	326	11.6	21.4	4.0	270	-1.6	322	327	5.7	7.6	11.93	1.48	1988	1981
<i>700</i>	326	3133	326	7.6	19.0	-0.7	235	-5.1	322	324	5.3	7.4	14.57	1.62	1988	1981
<i>650</i>	318	3736	318	4.3	16.6	-5.1	182	-8.8	313	320	4.9	7.3	15.72	1.82	1988	1979
<i>600</i>	316	4388	316	1.3	12.6	-7.7	113	-11.8	309	302	4.9	7.6	19.43	1.89	1988	1979
<i>550</i>	315	5086	315	-2.2	6.6	-12.9	74	-13.9	308	285	6.4	9.1	31.71	1.86	1988	1980
<i>500</i>	312	5837	312	-6.3	2.6	-18.3	54	-18.5	302	280	8.9	11.3	26.42	1.79	1989	1986
<i>450</i>	303	6654	303	-11.1	-2.1	-20.7	35	-21.7	294	278	11.5	13.7	34.12	1.94	1988	1982
<i>400</i>	300	7549	298	-16.6	-6.9	-27.9	23	-26.0	285	274	14.0	16.3	38.70	2.20	1988	1979
<i>350</i>	283	8539	282	-22.9	-12.1	-36.9	19	-31.2	251	269	16.1	18.4	43.20	2.09	1988	1979
<i>300</i>	267	9655	264	-30.3	-20.7	-43.7	11	-37.6	226	266	19.1	21.4	53.28	2.05	1988	1979
<i>250</i>	250	10927	250	-39.2	-29.9	-51.9	3	-44.4	193	263	21.9	24.0	64.52	2.39	1988	1979
<i>200</i>	223	12417	222	-50.3	-39.1	-64.1			169	260	23.2	25.4	71.43	2.71	1987	1987
<i>175</i>	197	13277	196	-56.4	-45.1	-66.1			144	260	23.1	24.8	91.14	3.36	1989	1981
<i>150</i>	176	14241	176	-62.9	-47.9	-72.9			127	259	20.8	22.6	115.13	3.54	1989	1981
<i>125</i>	158	15348	158	-68.8	-54.1	-82.0			114	260	18.3	20.5	151.33	4.03	1989	1978
<i>100</i>	141	16665	141	-72.7	-58.5	-83.1			101	258	12.9	15.6	185.01	3.23	1989	1981
<i>80</i>	127	17987	127	-69.6	-53.9	-80.1			84	290	3.9	12.3	222.12	3.78	1987	1983
<i>70</i>	120	18791	120	-66.0	-50.7	-78.0			80	020	1.1	11.4	216.13	4.14	1987	1978
<i>60</i>	111	19727	111	-62.1	-53.3	-75.0			76	110	4.4	11.7	214.90	4.40	1981	1978
<i>50</i>	102	20866	102	-57.6	-47.5	-72.0			70	081	4.2	10.0	241.78	4.82	1983	1978
<i>40</i>	92	22293	92	-53.5	-40.1	-69.0			63	094	6.6	10.9	275.78	5.32	1989	1978
<i>30</i>	72	24161	72	-49.5	-41.3	-57.9			49	093	8.7	11.3	215.46	2.96	1987	1982
<i>25</i>	68	25351	68	-46.9	-39.9	-56.3			45	099	7.6	10.9	238.81	2.66	1983	1982
<i>20</i>	42	26835	42	-44.7	-37.9	-54.3			20	104	5.9	8.7	294.60	3.15	1987	1982
<i>15</i>	24	28749	24	-42.7	-37.1	-52.1			10	110	7.6	9.8	233.14	2.60	1985	1982
<i>10</i>	5	31499	5	-41.2	-36.1	-49.1									1989	1989
<i>7</i>	1	34015	1	-41.1	-41.1	-41.1									1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
317	583	464	1	154	1389	-72.3	136	106	1631	-73.2

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

NOVEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	343	991	343	13.9	23.4	7.0	343	10.2	343	357	0.1	0.3	1.18	1.68	1979	1978
<i>1000</i>	292	125											7.35			
<i>950</i>	292	539	291	19.8	29.0	9.0	282	6.4	292	001	1.0	4.2	27.75	1.52	1989	1988
<i>900</i>	292	1028	292	18.5	30.4	9.6	269	3.1	292	343	1.8	4.6	7.49	1.62	1989	1988
<i>850</i>	292	1515	291	15.4	25.8	8.2	246	0.1	292	322	3.3	5.7	8.44	1.66	1989	1981
<i>800</i>	292	2027	291	12.5	20.8	4.8	204	-2.1	292	318	4.2	6.6	10.25	1.70	1989	1985
<i>750</i>	292	2561	292	9.4	17.6	-3.9	158	-4.9	292	307	5.1	7.1	13.81	1.65	1987	1982
<i>700</i>	292	3133	290	6.5	15.8	-6.7	118	-7.6	292	300	5.9	7.6	14.37	1.60	1987	1980
<i>650</i>	283	3735	279	3.5	11.6	-8.1	74	-10.0	279	290	6.9	8.8	18.98	1.51	1989	1988
<i>600</i>	279	4385	277	0.2	9.2	-7.1	58	-13.1	274	285	8.7	10.6	18.59	1.55	1989	1979
<i>550</i>	274	5077	273	-3.7	6.2	-11.7	34	-14.7	268	282	10.8	12.7	28.69	1.39	1989	1983
<i>500</i>	265	5827	265	-8.0	2.4	-15.9	27	-18.1	258	280	13.5	15.4	25.72	1.49	1989	1979
<i>450</i>	258	6635	257	-13.1	-3.7	-24.7	27	-23.4	248	278	16.2	18.4	34.26	1.72	1989	1981
<i>400</i>	248	7528	248	-19.0	-8.5	-27.1	26	-27.8	235	276	19.5	21.6	36.20	1.80	1981	1988
<i>350</i>	235	8512	234	-25.4	-16.9	-33.3	20	-33.0	210	274	23.1	25.3	39.52	2.12	1989	1983
<i>300</i>	215	9619	215	-33.0	-25.3	-42.3	14	-41.8	184	271	26.8	29.4	51.17	2.30	1982	1983
<i>250</i>	199	10877	199	-42.0	-33.1	-52.0			156	269	31.0	33.3	63.42	2.10	1981	1978
<i>200</i>	169	12355	169	-52.1	-38.9	-63.7			133	268	33.4	35.6	75.44	2.50	1989	1979
<i>175</i>	144	13207	143	-57.4	-45.9	-67.1			112	266	33.1	35.0	83.67	2.70	1989	1981
<i>150</i>	129	14166	128	-62.6	-48.5	-75.1			98	273	34.0	36.3	93.74	3.32	1984	1979
<i>125</i>	112	15273	111	-67.9	-54.9	-79.0			82	276	27.4	29.6	115.28	3.93	1984	1978
<i>100</i>	95	16609	95	-71.0	-60.1	-78.3			73	273	22.9	25.1	115.45	4.08	1984	1981
<i>80</i>	83	17933	83	-70.0	-58.1	-77.5			62	277	13.2	19.6	157.91	4.90	1984	1979
<i>70</i>	75	18741	75	-66.8	-53.1	-76.5			57	281	10.3	18.8	176.45	5.67	1984	1979
<i>60</i>	69	19682	69	-62.9	-50.1	-72.1			52	302	2.8	17.2	197.17	5.50	1984	1990
<i>50</i>	62	20826	62	-58.1	-41.1	-70.1			46	344	1.6	15.4	207.49	5.58	1984	1990
<i>40</i>	54	22250	54	-53.2	-32.3	-65.7			40	048	2.8	13.5	266.46	8.27	1984	1990
<i>30</i>	37	24104	37	-48.4	-37.9	-57.1			26	061	2.6	13.3	227.18	4.19	1987	1990
<i>25</i>	24	25253	24	-47.3	-35.3	-57.3			13	310	3.1	16.6	109.63	2.19	1980	1982
<i>20</i>	12	26646	12	-45.6	-37.1	-53.7			5	284	2.7	17.6			1980	1990
<i>15</i>	8	28574	8	-44.6	-38.7	-51.1			1	002	40.0	40.0			1990	1990
<i>10</i>	4	31260	4	-44.3	-39.1	-47.7									1990	1990
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
283	603	432	2	229	1152	-47.6	92	105	1639	-71.6

NORMALS OF RADIOSONDE DATA

42361 GWALIOR

DECEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	378	993	378	9.4	18.0	3.6	378	6.4	378	004	0.2	0.4	1.47	1.04	1985	1986
<i>1000</i>	329	146											11.96			
<i>950</i>	329	553	329	15.7	24.2	7.6	325	3.9	320	010	1.7	4.4	19.54	0.86	1990	1989
<i>900</i>	329	1037	329	14.9	25.0	6.6	303	0.6	321	330	1.9	4.9	11.70	1.31	1990	1981
<i>850</i>	329	1519	328	12.7	23.2	3.8	257	-2.2	321	303	3.4	5.8	11.91	1.61	1990	1983
<i>800</i>	329	2025	328	10.4	20.8	2.0	213	-4.6	321	293	4.6	6.7	13.27	1.78	1990	1983
<i>750</i>	329	2557	329	8.0	19.0	-1.1	156	-6.4	320	285	6.1	8.0	12.94	1.94	1987	1979
<i>700</i>	329	3126	329	5.2	17.2	-3.7	115	-9.3	320	280	7.3	9.3	18.33	2.02	1989	1979
<i>650</i>	325	3725	325	2.0	13.8	-7.9	90	-11.9	310	279	9.4	11.1	19.88	2.02	1987	1979
<i>600</i>	319	4369	318	-1.6	9.2	-12.1	63	-15.5	301	275	11.7	13.2	25.68	1.93	1987	1979
<i>550</i>	313	5059	312	-5.8	4.0	-14.9	52	-19.8	289	273	14.2	15.8	34.26	1.95	1987	1979
<i>500</i>	306	5798	305	-10.6	-0.7	-19.1	43	-24.0	283	272	17.8	19.4	34.43	2.11	1987	1979
<i>450</i>	289	6602	288	-16.0	-6.3	-24.3	46	-28.1	259	274	21.8	23.9	42.30	2.32	1987	1986
<i>400</i>	274	7482	274	-22.0	-13.3	-30.3	32	-33.4	242	275	24.6	26.6	51.43	2.39	1982	1979
<i>350</i>	254	8452	254	-28.4	-12.9	-38.0	22	-38.5	197	272	29.0	31.2	55.96	2.54	1982	1978
<i>300</i>	228	9542	228	-36.0	-25.1	-46.9	10	-44.0	171	267	32.4	34.9	70.99	2.73	1989	1979
<i>250</i>	211	10787	211	-44.8	-31.9	-57.5	1	-46.1	140	264	38.7	41.5	82.87	2.99	1989	1981
<i>200</i>	182	12234	181	-54.4	-43.3	-66.3			109	259	42.2	44.6	96.56	3.48	1989	1981
<i>175</i>	160	13077	160	-58.7	-46.5	-71.0			84	257	41.0	43.4	111.90	3.53	1989	1978
<i>150</i>	140	14022	140	-62.5	-51.1	-76.7			73	259	38.4	40.2	125.76	3.84	1983	1979
<i>125</i>	122	15128	122	-66.6	-57.1	-83.0			66	258	35.6	37.3	134.15	4.10	1983	1978
<i>100</i>	98	16462	98	-70.1	-60.5	-81.3			58	261	31.1	32.7	157.76	4.08	1989	1983
<i>80</i>	89	17785	89	-70.5	-58.1	-81.5			53	268	27.4	30.0	170.80	3.71	1989	1979
<i>70</i>	83	18578	83	-68.6	-56.9	-77.1			49	272	23.0	28.6	179.52	4.30	1989	1979
<i>60</i>	75	19517	75	-65.3	-55.1	-74.5			42	268	18.0	25.9	167.51	3.45	1984	1981
<i>50</i>	66	20659	66	-61.4	-49.5	-69.7			38	276	10.0	23.5	177.93	3.67	1989	1982
<i>40</i>	56	22086	56	-57.3	-47.9	-68.3			30	323	3.3	22.5	177.47	3.81	1989	1989
<i>30</i>	45	23930	45	-52.9	-41.5	-61.5			24	021	2.4	19.3	196.76	4.61	1980	1981
<i>25</i>	36	25110	36	-51.7	-40.1	-63.7			18	067	10.4	19.0	196.72	3.87	1980	1983
<i>20</i>	22	26552	22	-50.5	-40.7	-60.5			9	072	13.9	24.4	232.15	5.11	1989	1981
<i>15</i>	13	28478	13	-49.3	-41.7	-56.3			3	073	11.8	12.0			1989	1984
<i>10</i>	7	30977	7	-48.9	-42.1	-55.1			1	087	13.9	14.0			1988	1984
<i>7</i>	6	33253	6	-49.1	-41.5	-54.1									1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
319	628	402	11	201	1213	-59.4	92	105	1622	-70.8

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	1008	565	13.2	20.0	7.0	565	11.7	565	118	0.1	0.5	1.40	0.94	1976	1971
1000	529	112	527	13.8	24.0	7.8	527	11.3	526	122	0.2	1.0	13.25	1.15	1974	1983
950	529	543	529	15.8	23.4	9.0	529	8.8	528	235	0.7	3.7	12.98	1.20	1988	1974
900	529	1005	529	13.4	20.0	7.0	527	5.7	527	260	2.1	4.8	13.24	1.25	1975	1977
850	529	1484	529	10.1	17.0	3.8	522	2.7	527	258	3.4	5.6	13.57	1.26	1975	1980
800	529	1985	529	6.6	14.0	-2.0	507	-1.0	529	259	5.0	6.9	14.49	1.38	1975	1978
750	529	2510	529	3.4	11.2	-5.5	480	-5.3	527	265	7.5	8.8	15.77	1.45	1988	1983
700	529	3069	528	0.5	8.0	-7.1	432	-9.3	526	271	11.0	12.2	17.74	1.46	1975	1982
650	524	3661	522	-2.1	7.0	-11.3	351	-12.8	521	272	15.4	16.5	20.00	1.62	1972	1983
600	523	4296	521	-4.7	7.0	-15.9	279	-16.2	521	272	19.5	20.4	22.22	1.76	1977	1983
550	522	4977	520	-8.3	5.0	-18.9	237	-19.9	518	272	22.2	23.1	25.94	1.90	1977	1985
500	521	5711	520	-12.8	1.2	-23.0	211	-24.1	517	272	24.8	25.7	28.60	2.15	1985	1977
450	517	6505	517	-18.1	-4.1	-28.7	199	-29.2	511	271	28.2	29.3	33.50	2.41	1985	1981
400	512	7379	512	-24.0	-9.5	-36.5	186	-34.2	507	269	31.7	33.3	39.72	2.68	1985	1982
350	509	8341	509	-30.2	-15.7	-44.1	166	-39.9	492	268	36.3	38.3	50.05	3.00	1990	1981
300	507	9425	507	-37.1	-23.7	-53.5	131	-45.8	485	266	41.1	43.2	59.49	3.06	1990	1981
250	497	10667	497	-44.5	-32.1	-60.1	84	-51.8	467	264	45.4	47.6	70.73	2.93	1990	1979
200	472	12136	471	-53.2	-40.3	-68.1	4	-57.5	438	262	46.5	48.1	84.50	2.35	1990	1982
175	447	12989	446	-58.0	-45.1	-68.1			411	262	45.2	46.5	91.91	2.21	1990	1979
150	425	13948	424	-63.1	-49.9	-76.1			391	263	41.8	43.0	96.55	2.54	1986	1988
125	406	15052	406	-68.4	-55.1	-79.9			371	263	36.1	37.3	105.08	2.67	1987	1988
100	377	16370	377	-73.0	-58.1	-86.1			345	264	29.8	30.6	109.30	2.85	1990	1988
80	346	17676	346	-73.6	-57.9	-85.3			318	266	22.3	23.3	119.07	2.94	1990	1979
70	316	18466	316	-71.6	-55.1	-83.3			290	267	17.8	19.0	122.51	2.75	1989	1979
60	282	19386	282	-67.8	-53.1	-78.3			256	271	14.1	15.7	129.00	2.31	1990	1988
50	245	20496	245	-62.5	-49.3	-74.5			216	277	10.1	13.1	174.40	2.32	1989	1984
40	190	21894	190	-58.5	-41.9	-73.7			166	274	8.3	10.9	184.32	2.47	1987	1984
30	136	23728	136	-54.9	-45.5	-68.0			123	269	6.9	9.8	222.11	3.21	1989	1973
25	113	24888	113	-52.9	-41.5	-64.0			104	268	8.0	10.5	246.05	3.54	1984	1973
20	87	26349	87	-51.0	-39.7	-59.7			78	267	8.3	10.5	225.20	1.93	1987	1990
15	51	28234	51	-49.1	-38.5	-56.7			46	271	9.1	10.7	240.71	2.48	1982	1984
10	23	30911	23	-47.1	-37.1	-54.1			16	256	14.1	16.4	393.46	3.13	1984	1984
7	9	33355	9	-45.5	-35.1	-50.9			7	261	22.5	24.0			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

528	687	323		113	252	1075	-51.2		372	097	1657	-74.9
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NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1005	600	17.1	26.0	10.0	600	14.6	600	076	0.3	1.0	1.12	0.87	1983	1979
1000	574	91	553	17.4	26.0	9.2	553	14.2	552	074	0.5	1.3	10.47	0.82	1988	1979
950	574	527	574	19.5	28.8	11.0	571	11.0	571	222	0.3	4.3	10.52	1.16	1984	1977
900	574	995	574	17.5	24.8	9.0	569	7.8	570	258	3.2	5.4	9.78	1.10	1980	1990
850	574	1481	574	14.2	24.0	6.2	568	4.7	568	256	5.7	7.0	10.31	1.06	1976	1980
800	574	1990	574	10.5	20.0	2.8	557	1.5	569	259	7.7	8.6	10.67	1.02	1976	1990
750	574	2520	574	6.8	15.0	-0.7	540	-2.3	570	263	9.8	10.6	11.38	1.03	1976	1990
700	574	3087	574	3.3	9.0	-4.9	489	-6.2	568	268	12.5	13.2	12.89	1.01	1973	1983
650	574	3684	573	0.0	8.2	-8.7	435	-9.9	570	272	15.0	15.8	15.98	1.14	1984	1983
600	574	4323	572	-3.3	6.0	-11.0	371	-13.9	565	274	17.1	18.0	16.32	1.13	1976	1978
550	573	5008	571	-7.0	3.6	-16.0	315	-18.5	561	274	18.4	19.5	17.77	1.39	1986	1978
500	567	5745	565	-11.6	-2.1	-23.0	276	-23.4	557	272	19.6	20.8	20.06	1.38	1985	1978
450	564	6545	564	-17.2	-6.3	-30.0	251	-28.6	542	271	21.3	22.8	23.15	1.41	1988	1978
400	557	7419	555	-23.6	-12.5	-36.0	219	-34.0	534	268	24.2	25.9	27.67	1.56	1988	1978
350	552	8384	551	-30.4	-15.9	-42.0	197	-40.1	525	266	27.9	29.8	32.42	1.87	1990	1978
300	544	9465	543	-37.6	-24.1	-50.7	155	-46.3	516	265	33.0	35.3	39.28	2.38	1990	1981
250	527	10703	527	-44.8	-32.9	-59.7	100	-52.8	497	262	39.2	41.4	49.48	2.63	1990	1981
200	502	12168	502	-52.7	-42.7	-65.9	4	-58.0	469	261	41.9	44.0	62.18	2.26	1990	1981
175	475	13019	475	-57.3	-45.0	-70.0			446	261	40.2	42.0	68.39	1.93	1972	1978
150	456	13983	456	-62.1	-48.9	-74.0			422	262	36.8	38.2	75.16	2.01	1990	1978
125	428	15091	428	-67.6	-52.9	-80.0			392	263	32.7	33.9	80.74	2.39	1990	1978
100	396	16413	396	-72.4	-57.5	-86.0			364	264	25.8	27.0	89.08	2.43	1990	1978
80	350	17718	350	-73.4	-59.1	-86.0			318	265	18.4	19.8	99.64	2.42	1990	1978
70	314	18500	314	-71.4	-54.1	-84.0			280	271	13.9	15.5	102.01	2.73	1990	1978
60	270	19422	270	-67.9	-55.5	-80.0			244	274	10.7	13.0	108.91	2.77	1982	1978
50	227	20532	227	-62.9	-49.3	-77.0			200	281	6.4	9.9	108.84	2.71	1989	1978
40	186	21925	186	-58.8	-47.5	-71.0			168	275	5.2	9.3	109.83	2.94	1982	1978
30	142	23744	142	-53.9	-43.0	-66.0			128	287	4.1	8.9	137.85	3.53	1977	1978
25	112	24897	112	-52.2	-42.1	-64.1			104	275	4.0	10.0	141.93	2.77	1984	1987
20	76	26378	76	-49.7	-41.1	-63.5			70	257	6.2	10.7	209.74	2.47	1984	1987
15	46	28279	46	-47.3	-40.1	-62.5			40	252	7.5	12.0	237.80	2.80	1987	1987
10	13	30813	13	-47.0	-40.9	-61.7			10	262	16.8	20.9			1987	1987
7	4	33090	4	-42.4	-35.9	-52.5			1	279	29.0	29.0			1987	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

574 649 371 108 231 1133 -54.1 370 096 1671 -74.5

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	552	1002	552	20.9	29.2	15.0	552	18.9	552	069	0.7	1.4	1.24	0.72	1984	1983
<i>1000</i>	528	65	408	20.8	27.8	15.6	408	18.7	404	072	0.7	1.4	11.01	0.66	1982	1989
<i>950</i>	528	505	528	21.1	32.6	14.8	528	16.2	524	077	1.2	4.2	10.56	0.96	1986	1990
<i>900</i>	528	977	528	19.5	29.2	12.8	528	13.2	525	259	2.6	5.3	9.97	0.98	1986	1983
<i>850</i>	528	1468	528	16.9	25.4	10.0	525	10.0	524	252	6.1	7.5	9.51	1.06	1986	1983
<i>800</i>	528	1982	528	13.6	20.8	7.0	523	6.3	524	256	8.7	9.7	9.36	1.11	1986	1977
<i>750</i>	528	2518	528	10.0	16.6	3.8	515	2.4	525	263	10.7	11.6	9.91	1.12	1990	1990
<i>700</i>	528	3093	528	6.2	15.0	-1.5	504	-1.7	523	267	12.5	13.3	10.89	1.16	1990	1990
<i>650</i>	524	3695	523	2.6	12.4	-4.9	470	-5.6	512	269	13.7	14.7	13.62	1.21	1990	1987
<i>600</i>	518	4340	516	-1.1	8.0	-8.0	411	-9.4	497	273	14.7	16.0	13.77	1.17	1974	1977
<i>550</i>	514	5029	510	-4.7	5.0	-11.1	355	-14.0	484	275	14.8	16.4	15.52	1.27	1974	1987
<i>500</i>	512	5774	510	-9.0	-0.7	-17.5	315	-19.0	487	275	14.9	16.8	19.39	1.45	1990	1983
<i>450</i>	510	6582	507	-14.3	-5.3	-25.7	278	-23.9	477	274	15.3	17.3	22.30	1.45	1990	1990
<i>400</i>	501	7467	498	-20.5	-10.3	-32.3	260	-30.1	471	271	17.3	19.2	27.59	1.64	1990	1990
<i>350</i>	495	8443	494	-27.6	-17.7	-45.0	241	-36.4	461	269	20.4	22.6	31.78	1.84	1989	1974
<i>300</i>	490	9536	490	-35.2	-22.7	-52.3	204	-43.8	457	266	24.3	26.7	41.36	2.36	1990	1990
<i>250</i>	480	10786	477	-43.5	-30.1	-56.3	110	-51.3	443	264	29.8	32.2	54.30	2.74	1990	1990
<i>200</i>	458	12259	455	-52.1	-41.9	-67.5	11	-57.2	431	265	33.4	35.7	71.67	2.22	1990	1982
<i>175</i>	435	13110	434	-56.8	-44.1	-69.3			408	265	32.8	34.7	75.95	1.81	1982	1988
<i>150</i>	416	14074	416	-62.1	-48.3	-75.5			389	265	30.2	31.7	81.61	1.90	1990	1988
<i>125</i>	392	15183	392	-67.9	-49.5	-77.9			366	267	25.0	26.6	84.86	2.16	1990	1985
<i>100</i>	362	16506	362	-72.6	-54.5	-85.0			340	269	18.3	19.6	90.63	2.63	1990	1977
<i>80</i>	322	17811	322	-73.8	-49.3	-83.0			302	273	10.7	13.3	98.84	3.18	1990	1978
<i>70</i>	300	18591	300	-71.7	-44.1	-82.1			279	280	6.7	10.4	99.95	3.24	1990	1985
<i>60</i>	263	19511	263	-67.8	-49.9	-80.1			244	291	4.1	8.4	123.71	3.43	1986	1985
<i>50</i>	231	20627	231	-62.7	-46.3	-78.0			215	305	1.5	6.8	131.43	3.71	1986	1973
<i>40</i>	200	22022	200	-57.5	-44.5	-76.0			191	305	1.4	5.6	159.91	3.46	1986	1973
<i>30</i>	164	23865	164	-52.3	-37.9	-69.0			154	312	1.3	6.3	176.74	4.76	1989	1973
<i>25</i>	137	25041	137	-49.8	-37.9	-65.1			125	282	1.8	6.1	220.35	5.37	1989	1984
<i>20</i>	101	26521	101	-47.2	-37.5	-56.5			93	259	2.5	6.9	290.36	3.91	1986	1982
<i>15</i>	66	28380	66	-45.4	-38.3	-54.3			54	252	4.3	8.2	281.77	2.90	1984	1982
<i>10</i>	22	31137	22	-42.8	-37.5	-48.3			19	251	6.0	9.7	207.42	1.59	1985	1985
<i>7</i>	8	33419	8	-42.4	-36.7	-45.1			5	261	7.7	11.6			1990	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
520	614	4:5	44	206	1211	-57.7	338	096	1677	-74.9

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	575	1000	575	23.6	30.0	17.0	575	22.2	575	067	0.4	1.1	1.32	0.64	1971	1975
<i>1000</i>	545	46	268	23.0	29.8	18.4	268	21.1	262	068	0.5	1.0	10.60	1.09	1979	1985
<i>950</i>	545	489	545	22.7	29.4	17.0	545	19.5	536	087	1.1	3.4	10.95	0.98	1989	1977
<i>900</i>	545	964	545	20.8	28.8	14.4	544	16.7	534	255	0.5	4.4	9.87	0.89	1979	1986
<i>850</i>	545	1456	545	18.1	27.0	11.4	543	13.8	535	245	3.0	5.9	9.81	0.86	1979	1986
<i>800</i>	545	1974	545	15.1	27.0	8.2	542	10.6	536	250	4.7	7.1	9.73	0.86	1972	1986
<i>750</i>	545	2513	545	11.7	19.8	4.8	541	7.0	535	258	5.9	8.0	10.89	0.88	1979	1987
<i>700</i>	545	3092	544	8.1	16.8	1.4	535	2.6	535	264	6.6	8.6	9.82	0.98	1979	1987
<i>650</i>	542	3698	541	4.6	12.2	-2.1	519	-1.9	511	266	7.3	9.2	12.05	1.14	1979	1987
<i>600</i>	538	4348	537	1.1	8.0	-6.0	491	-6.0	496	266	7.7	9.4	11.29	1.20	1989	1977
<i>550</i>	536	5045	535	-2.5	3.4	-13.3	448	-10.1	481	266	8.1	10.1	15.49	1.19	1990	1982
<i>500</i>	533	5796	532	-6.4	0.0	-18.5	408	-15.1	479	262	8.9	10.8	15.18	1.18	1975	1981
<i>450</i>	530	6613	530	-11.1	-4.5	-19.3	360	-20.2	469	258	9.8	11.7	20.37	1.24	1988	1982
<i>400</i>	522	7510	522	-16.6	-8.7	-26.1	319	-25.9	462	257	11.7	13.8	21.89	1.51	1988	1982
<i>350</i>	515	8504	515	-22.9	-12.7	-33.5	272	-32.2	455	256	14.4	16.2	29.60	1.74	1989	1982
<i>300</i>	510	9619	509	-30.5	-21.1	-39.7	231	-39.9	446	257	17.6	19.5	35.53	1.99	1989	1987
<i>250</i>	502	10892	501	-39.5	-29.5	-49.7	135	-47.8	437	256	21.0	22.8	45.19	2.21	1989	1987
<i>200</i>	480	12385	479	-50.3	-39.9	-59.0	21	-55.2	417	255	22.3	24.0	57.83	2.35	1989	1977
<i>175</i>	453	13245	453	-56.5	-45.1	-66.0	3	-58.0	391	256	21.4	23.3	64.13	2.43	1989	1977
<i>150</i>	433	14207	432	-63.0	-52.1	-78.1			378	256	20.0	21.9	73.74	2.56	1990	1987
<i>125</i>	409	15313	409	-69.5	-55.1	-83.0			356	259	15.4	17.3	84.59	2.65	1989	1978
<i>100</i>	384	16625	384	-74.6	-59.5	-88.0			335	260	8.3	11.6	101.21	2.93	1990	1978
<i>80</i>	355	17918	355	-74.6	-57.9	-89.7			307	273	2.3	8.6	113.13	3.22	1987	1979
<i>70</i>	331	18702	331	-71.5	-51.9	-85.0			289	074	1.5	7.9	117.74	3.39	1987	1978
<i>60</i>	306	19631	306	-66.6	-46.9	-82.0			261	094	4.1	7.7	128.27	3.68	1987	1978
<i>50</i>	266	20756	266	-60.9	-41.3	-78.0			222	086	5.0	7.4	146.06	4.02	1987	1978
<i>40</i>	223	22158	223	-55.5	-37.5	-73.5			182	081	5.9	7.5	167.06	3.57	1989	1981
<i>30</i>	176	24020	176	-50.1	-38.1	-61.1			138	089	7.4	8.6	221.74	3.91	1990	1988
<i>25</i>	152	25209	152	-47.5	-35.7	-58.0			119	097	7.1	8.5	203.08	3.54	1990	1972
<i>20</i>	109	26714	109	-44.7	-30.1	-55.5			84	101	6.7	8.6	253.36	3.02	1990	1985
<i>15</i>	66	28653	66	-42.5	-24.9	-52.9			46	117	6.8	8.8	262.24	2.66	1990	1985
<i>10</i>	29	31385	29	-40.6	-28.5	-48.9			18	143	6.8	9.5	362.59	3.37	1990	1985
<i>7</i>	6	33693	6	-40.0	-32.9	-44.1			4	165	11.0	15.2			1989	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
537	584	457	5	209	1216	-54.3	372	096	1686	-76.2

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	549	995	549	25.9	30.0	22.0	549	24.7	549	052	0.3	0.8	1.38	0.39	1971	1976
1000	506	9	12	24.8	26.4	23.0	12	23.7	12	245	0.2	1.1	9.56		1983	1977
950	506	455	506	24.5	32.2	19.0	506	22.4	494	067	0.8	3.4	10.01	0.63	1979	1977
900	506	934	506	22.4	29.0	17.0	506	19.9	494	224	0.3	4.2	9.35	0.70	1979	1973
850	506	1430	506	19.8	26.0	14.2	506	17.1	493	227	2.1	5.3	9.36	0.71	1978	1990
800	506	1952	506	17.0	24.0	10.6	506	14.2	493	227	3.1	6.1	9.47	0.70	1975	1990
750	506	2497	506	14.0	27.0	6.8	506	10.9	494	236	3.3	6.3	8.41	0.79	1978	1990
700	506	3080	505	10.9	17.0	3.6	505	7.2	493	237	3.2	6.4	10.37	0.87	1975	1981
650	506	3693	504	7.7	13.8	1.2	504	3.1	475	237	3.4	6.3	11.82	0.96	1988	1981
600	501	4351	500	4.3	10.4	-2.9	491	-0.8	467	235	3.7	6.6	12.22	1.08	1990	1990
550	493	5058	493	0.7	6.0	-6.5	472	-4.9	452	232	3.7	6.7	16.48	1.08	1975	1990
500	486	5817	486	-3.2	3.0	-10.0	458	-9.8	443	232	4.0	6.9	15.79	1.05	1975	1977
450	484	6647	484	-7.5	-2.0	-14.7	428	-15.0	434	232	3.9	7.0	21.20	1.13	1975	1988
400	483	7555	483	-12.7	-6.3	-23.0	399	-20.8	432	229	3.9	7.0	21.41	1.25	1989	1973
350	480	8564	480	-18.8	-12.0	-29.3	351	-27.5	427	230	3.7	7.1	25.89	1.35	1975	1990
300	476	9699	476	-26.5	-17.9	-35.1	296	-35.5	423	230	4.1	7.3	34.00	1.56	1983	1988
250	466	10993	466	-36.2	-23.0	-43.9	199	-44.1	414	230	4.0	7.9	39.91	1.81	1976	1979
200	452	12504	452	-48.5	-40.0	-56.9	26	-54.2	399	241	4.5	9.3	50.68	2.04	1975	1985
175	434	13367	434	-55.8	-45.5	-65.3	1	-56.0	383	255	3.9	9.9	57.95	2.07	1990	1985
150	418	14331	418	-63.4	-51.1	-73.3			372	281	2.8	9.6	68.40	2.18	1990	1979
125	396	15427	396	-71.0	-59.9	-82.0			359	010	2.4	9.6	77.30	2.10	1989	1977
100	386	16731	386	-76.2	-65.1	-85.5			349	057	5.8	9.8	94.15	2.15	1990	1983
80	356	18019	356	-75.5	-56.5	-82.5			320	070	9.9	11.6	102.54	2.68	1989	1979
70	337	18799	337	-72.2	-49.7	-82.1			299	078	12.0	13.0	111.85	2.99	1990	1983
60	311	19716	311	-67.0	-44.3	-76.7			272	084	12.9	13.6	116.34	3.48	1990	1985
50	282	20833	282	-61.1	-40.5	-72.0			239	087	12.7	13.3	142.63	3.23	1989	1978
40	221	22240	221	-55.6	-37.1	-64.7			178	083	13.5	14.0	160.17	3.03	1989	1984
30	168	24086	168	-50.8	-34.1	-59.1			137	088	14.7	15.2	188.58	3.59	1989	1983
25	129	25280	129	-48.3	-32.3	-57.9			105	093	15.4	15.8	203.29	3.38	1990	1983
20	94	26784	94	-45.5	-32.7	-55.5			78	096	15.2	15.6	240.25	2.71	1990	1983
15	61	28679	61	-43.4	-35.1	-52.5			49	095	16.0	16.5	197.87	2.68	1983	1983
10	18	31347	18	-42.8	-35.1	-50.5			13	103	18.4	20.0			1989	1984
7	9	33639	9	-42.4	-36.3	-48.7			8	109	19.2	20.9			1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

493 541 519

369 098 1687 -77.7

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	586	996	586	26.4	29.0	22.8	586	25.2	586	084	0.2	0.7	1.12	0.29	1972	1989
1000	563	12	15	25.5	27.0	24.0	15	24.3	15	261	0.5	0.8	8.26		1978	1975
950	563	459	563	24.4	29.6	19.4	562	22.8	554	071	0.2	3.2	8.34	0.45	1979	1987
900	563	938	563	22.2	27.0	17.2	562	20.3	554	237	1.2	4.6	7.73	0.63	1973	1982
850	563	1434	563	19.7	25.2	14.8	562	17.7	554	227	3.0	5.6	7.73	0.72	1988	1985
800	563	1956	563	17.0	23.0	12.0	562	15.0	554	225	3.7	6.2	7.94	0.75	1978	1985
750	563	2501	563	14.2	20.0	9.2	562	12.2	552	223	3.6	6.2	8.08	0.81	1978	1981
700	563	3085	562	11.3	17.2	6.0	560	8.9	553	222	3.3	5.9	9.04	0.80	1990	1981
650	561	3700	558	8.2	13.6	2.0	556	5.1	536	221	3.1	5.8	10.09	0.88	1990	1981
600	556	4360	553	4.8	10.6	-1.7	551	1.3	524	215	2.6	5.5	11.38	0.98	1990	1981
550	551	5067	549	1.1	6.8	-6.0	546	-2.8	510	207	2.2	5.2	14.63	1.02	1990	1972
500	548	5828	545	-2.8	2.6	-10.7	541	-7.4	507	185	1.6	5.2	14.82	1.05	1990	1981
450	544	6658	540	-7.1	-1.1	-14.0	523	-12.5	501	154	1.4	5.1	19.31	1.07	1990	1971
400	540	7566	537	-12.3	-6.0	-19.7	500	-18.7	498	123	1.6	5.2	20.20	1.20	1972	1981
350	537	8578	534	-18.6	-11.0	-26.0	462	-26.1	488	106	2.1	5.5	23.70	1.38	1973	1978
300	530	9714	528	-26.4	-20.5	-35.3	380	-34.5	481	091	3.4	6.5	30.25	1.57	1987	1981
250	523	11007	521	-36.4	-29.1	-47.1	261	-44.3	475	078	4.8	8.1	38.50	1.77	1987	1981
200	501	12516	499	-49.0	-40.5	-60.1	38	-54.2	454	066	7.3	10.9	50.75	2.13	1982	1981
175	476	13377	474	-56.5	-47.1	-68.1	2	-58.0	429	064	9.2	12.8	58.96	2.21	1982	1981
150	453	14336	453	-64.3	-56.0	-76.1			412	066	11.3	14.8	67.72	2.22	1975	1983
125	434	15430	433	-72.2	-62.0	-82.0			395	070	13.7	16.4	78.94	2.25	1973	1978
100	413	16723	413	-77.1	-66.0	-86.1			378	072	15.9	17.3	89.50	2.25	1976	1981
80	386	18010	386	-74.3	-58.0	-83.0			352	077	18.1	18.8	96.19	3.08	1976	1974
70	368	18798	366	-70.1	-54.0	-83.0			337	081	18.3	18.7	101.39	3.53	1976	1974
60	320	19726	319	-65.2	-47.0	-79.0			285	084	17.7	18.0	122.67	3.17	1976	1972
50	282	20853	282	-60.2	-40.0	-74.0			254	086	17.7	18.1	110.84	3.08	1976	1972
40	222	22273	222	-55.8	-40.1	-65.1			199	086	18.8	19.1	117.61	2.80	1989	1988
30	153	24127	153	-51.5	-34.9	-61.1			137	089	20.6	20.9	136.13	3.41	1990	1984
25	118	25290	118	-49.2	-35.1	-58.9			103	091	21.1	21.3	158.72	3.99	1989	1984
20	81	26749	81	-47.5	-35.7	-56.5			68	089	22.2	22.8	188.20	3.04	1989	1984
15	40	28615	40	-46.1	-37.5	-53.9			32	089	26.4	26.8	190.95	2.68	1983	1984
10	11	31356	11	-42.6	-36.7	-49.5			7	084	27.9	28.1			1990	1984
7	4	33862	4	-42.4	-38.1	-46.5			2	083	39.5	39.5			1988	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
549	536	528					396	102	1665	-78.4

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	610	997	610	26.4	30.0	24.0	610	25.3	610	077	0.2	0.6	1.10	0.34	1975	1971
1000	584	20	38	25.8	29.0	23.8	38	24.9	38	035	0.4	0.7	9.06	1.06	1982	1988
950	584	465	583	24.8	29.8	20.2	583	22.9	578	081	0.4	3.1	8.59	0.40	1979	1983
900	584	946	584	22.6	29.8	17.0	583	20.3	579	170	0.3	4.2	8.56	0.45	1979	1983
850	584	1443	584	20.0	27.0	15.0	584	17.3	578	184	1.0	4.9	8.33	0.53	1979	1977
800	584	1964	584	17.2	24.0	12.0	583	14.5	579	180	1.4	5.5	8.28	0.62	1973	1977
750	584	2508	584	14.3	21.0	9.0	583	11.5	579	162	1.5	5.7	7.68	0.66	1975	1971
700	584	3093	583	11.1	17.0	6.0	583	8.0	578	165	1.6	5.8	10.46	0.63	1988	1979
650	582	3706	581	7.9	13.2	2.4	578	4.2	570	163	1.9	5.7	9.67	0.67	1988	1979
600	577	4366	576	4.4	9.2	-5.3	572	0.2	566	154	2.0	5.6	12.09	0.72	1990	1989
550	575	5071	575	0.6	6.0	-5.0	571	-4.1	560	150	2.1	5.5	16.38	0.86	1975	1976
500	572	5830	572	-3.4	2.0	-9.9	564	-8.5	558	138	2.0	5.2	15.82	1.02	1975	1979
450	569	6658	568	-7.8	-0.9	-16.3	548	-14.1	556	122	2.2	5.1	22.63	1.14	1987	1983
400	567	7567	566	-13.0	-6.5	-20.7	518	-20.4	552	110	2.7	5.3	23.27	1.30	1989	1985
350	556	8572	556	-19.4	-12.5	-27.5	455	-27.5	540	097	3.1	5.7	27.93	1.49	1983	1985
300	553	9704	553	-27.3	-19.7	-35.9	367	-35.9	537	088	4.1	6.8	35.38	1.69	1990	1985
250	537	10992	537	-37.5	-28.7	-47.1	211	-44.6	521	079	5.1	8.4	44.43	1.86	1990	1986
200	503	12495	503	-50.2	-41.7	-60.1	42	-55.1	482	068	7.3	11.0	55.10	2.32	1990	1986
175	475	13353	475	-57.6	-48.9	-69.5			453	064	8.2	11.8	63.59	2.45	1990	1979
150	456	14309	456	-65.3	-54.0	-79.1			436	064	9.8	12.9	75.58	2.74	1975	1979
125	434	15397	434	-72.6	-59.0	-85.9			417	069	12.1	14.2	88.68	2.68	1975	1979
100	407	16694	407	-76.4	-65.1	-87.9			390	074	15.0	15.9	102.89	2.24	1989	1988
80	379	17992	379	-72.4	-56.1	-84.5			360	079	16.5	17.0	116.53	3.27	1981	1979
70	350	18789	350	-68.5	-52.1	-80.0			334	083	16.7	17.0	129.60	3.35	1989	1974
60	317	19719	317	-64.1	-50.1	-77.0			302	085	16.4	16.7	111.78	3.08	1985	1976
50	283	20854	283	-59.6	-45.5	-73.0			263	085	17.0	17.4	121.57	3.11	1985	1973
40	223	22284	223	-55.2	-41.0	-67.0			205	086	18.5	18.8	133.23	4.55	1977	1978
30	161	24151	161	-51.1	-38.5	-64.1			147	091	20.4	20.8	180.16	3.72	1985	1988
25	134	25316	134	-49.7	-32.9	-64.0			120	089	21.4	21.7	212.23	4.51	1990	1978
20	90	26810	90	-48.0	-37.3	-57.7			81	089	23.2	23.5	131.94	1.62	1983	1984
15	52	28677	52	-46.7	-38.5	-55.7			44	089	25.8	26.0	247.88	3.22	1990	1984
10	20	31395	20	-44.6	-37.3	-50.9			15	088	29.7	29.9			1990	1984
7	9	33768	9	-43.3	-34.5	-50.9			7	088	42.7	43.0			1990	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

574 541 518

403 105 1644 -77.5

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	1001	599	25.4	28.4	21.2	599	24.4	599	080	0.2	0.6	0.81	0.31	1981	1986
<i>1000</i>	569	54	323	25.0	28.0	21.2	323	24.0	318	083	0.3	0.7	6.18	0.44	1972	1986
<i>950</i>	569	498	569	23.9	31.0	18.8	569	21.8	562	101	0.4	3.3	6.88	0.52	1975	1982
<i>900</i>	569	977	569	21.7	29.0	16.6	569	19.1	562	227	0.7	4.4	5.47	0.68	1975	1986
<i>850</i>	569	1472	569	19.0	27.0	13.8	569	16.1	562	233	2.2	5.1	5.22	0.74	1975	1979
<i>800</i>	569	1992	568	16.1	27.0	10.4	568	13.1	562	233	2.5	5.4	5.71	0.77	1978	1982
<i>750</i>	569	2534	568	13.2	22.0	7.0	567	9.7	561	230	2.5	5.6	7.43	0.79	1975	1979
<i>700</i>	569	3117	569	10.1	20.0	3.2	568	5.9	561	228	2.7	5.6	7.70	0.88	1975	1979
<i>650</i>	565	3727	565	6.8	19.0	0.6	559	2.1	555	228	3.0	5.8	12.39	0.97	1972	1979
<i>600</i>	563	4384	562	3.2	12.0	-1.9	548	-1.6	552	233	3.1	5.7	11.27	1.02	1975	1979
<i>550</i>	560	5085	559	-0.5	8.0	-6.3	539	-5.8	550	233	3.2	5.8	16.33	1.08	1975	1981
<i>500</i>	556	5842	556	-4.5	3.0	-11.0	523	-10.4	546	234	3.2	5.7	15.91	1.16	1975	1976
<i>450</i>	550	6667	550	-9.1	-1.3	-16.3	492	-15.7	539	235	2.9	5.7	24.16	1.27	1989	1981
<i>400</i>	548	7570	548	-14.4	-6.3	-20.9	450	-22.0	536	234	2.7	5.8	23.65	1.38	1989	1988
<i>350</i>	543	8569	543	-21.0	-12.3	-29.0	381	-29.3	529	235	2.7	6.0	28.70	1.60	1989	1978
<i>300</i>	538	9694	538	-29.0	-20.1	-37.1	292	-37.2	524	239	2.3	6.6	37.54	1.68	1989	1988
<i>250</i>	527	10973	527	-39.2	-29.9	-47.3	154	-46.2	512	252	2.5	7.9	48.46	1.82	1989	1981
<i>200</i>	496	12465	496	-51.6	-40.1	-62.0	19	-55.1	479	287	2.6	9.6	58.19	2.03	1989	1978
<i>175</i>	478	13319	478	-58.8	-46.1	-73.0	1	-57.0	463	305	2.6	9.8	64.39	2.21	1989	1976
<i>150</i>	462	14270	462	-66.2	-54.1	-77.3			444	350	2.0	9.8	75.97	2.29	1989	1981
<i>125</i>	434	15355	434	-73.2	-59.5	-83.7			419	046	3.0	9.0	85.50	2.08	1990	1981
<i>100</i>	405	16649	405	-76.9	-65.9	-85.0			392	068	5.4	8.8	93.82	2.05	1990	1978
<i>80</i>	377	17945	377	-73.1	-58.1	-85.0			362	074	7.8	9.3	111.09	3.22	1985	1974
<i>70</i>	347	18739	347	-68.8	-54.1	-82.0			334	081	9.5	10.3	113.97	3.35	1985	1974
<i>60</i>	320	19673	320	-64.0	-50.0	-76.0			303	086	9.8	10.4	120.59	3.23	1976	1972
<i>50</i>	271	20815	271	-59.3	-44.1	-72.0			258	082	10.8	11.3	129.48	2.83	1985	1972
<i>40</i>	209	22236	209	-55.5	-38.7	-68.0			194	085	13.2	13.4	141.79	3.45	1990	1972
<i>30</i>	164	24092	164	-51.3	-39.5	-62.0			152	088	15.6	16.0	152.95	3.29	1987	1972
<i>25</i>	128	25286	128	-49.0	-35.1	-59.0			113	092	16.2	16.7	155.60	3.10	1987	1978
<i>20</i>	83	26799	83	-46.7	-28.5	-56.1			76	096	16.8	17.2	203.40	2.76	1987	1983
<i>15</i>	52	28722	52	-44.8	-35.1	-53.1			42	094	17.2	17.5	240.98	2.55	1990	1984
<i>10</i>	15	31232	15	-44.6	-39.5	-51.1			13	093	17.6	18.6			1989	1989
<i>7</i>	4	33481	4	-44.9	-44.1	-45.9			4	093	18.6	19.3			1984	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
561	556	499	1	106	1635	-78.0	411	106	1636	-77.8

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	616	1005	616	22.7	27.0	18.0	616	21.9	616	067	0.3	0.5	1.45	0.69	1978	1976
<i>1000</i>	547	92	486	22.6	27.0	18.0	486	21.6	472	077	0.5	0.8	13.35	0.77	1978	1976
<i>950</i>	546	534	546	22.0	29.0	16.0	546	19.5	531	086	1.7	3.7	11.85	0.72	1975	1986
<i>900</i>	546	1008	546	19.9	33.0	12.8	546	16.2	529	092	1.3	4.6	11.73	0.61	1975	1983
<i>850</i>	546	1500	546	17.2	29.0	10.0	545	12.3	530	158	0.6	4.7	11.00	0.80	1975	1987
<i>800</i>	546	2016	546	14.0	25.0	6.6	543	8.1	530	224	1.1	4.8	10.35	0.95	1975	1987
<i>750</i>	546	2553	546	10.8	21.0	2.8	534	3.6	530	239	1.8	5.1	11.76	1.15	1975	1984
<i>700</i>	546	3130	546	7.4	17.0	-1.9	503	-0.2	530	249	3.0	5.8	9.99	1.25	1975	1984
<i>650</i>	545	3733	545	4.1	12.0	-4.7	459	-4.1	523	252	4.5	6.6	13.80	1.29	1975	1984
<i>600</i>	544	4384	542	0.8	8.4	-7.0	397	-7.3	516	255	6.6	8.2	11.69	1.27	1988	1977
<i>550</i>	539	5079	537	-2.7	5.0	-12.0	341	-10.8	514	256	8.7	10.2	15.11	1.30	1980	1977
<i>500</i>	536	5830	535	-6.8	0.6	-16.0	302	-15.1	510	257	10.2	11.5	16.15	1.51	1988	1977
<i>450</i>	528	6648	527	-11.5	-3.0	-22.0	263	-20.0	503	258	12.0	13.3	20.44	1.79	1972	1977
<i>400</i>	524	7542	523	-17.0	-7.0	-28.0	230	-25.7	496	259	14.0	15.6	24.90	2.09	1975	1977
<i>350</i>	518	8532	516	-23.6	-15.9	-37.0	193	-32.5	487	259	16.2	17.7	33.42	2.26	1988	1977
<i>300</i>	516	9643	513	-31.4	-21.9	-45.0	165	-40.3	486	259	18.7	20.3	41.90	2.31	1990	1977
<i>250</i>	508	10911	507	-40.9	-31.9	-52.0	97	-49.1	475	259	20.2	22.1	55.54	2.31	1990	1977
<i>200</i>	494	12391	494	-52.5	-43.9	-63.1	6	-58.0	455	260	21.3	23.1	68.06	2.24	1990	1980
<i>175</i>	474	13241	474	-58.9	-46.1	-71.0			431	259	20.7	22.7	75.94	2.18	1987	1977
<i>150</i>	457	14190	457	-65.8	-49.5	-78.0			414	260	18.8	20.8	84.08	1.93	1987	1977
<i>125</i>	434	15278	434	-72.2	-55.1	-80.1			391	259	15.2	17.4	90.63	1.79	1987	1981
<i>100</i>	408	16570	408	-76.1	-60.5	-84.3			369	262	9.3	11.7	97.31	2.17	1987	1979
<i>80</i>	363	17864	363	-73.2	-57.5	-84.1			324	273	3.7	8.2	99.87	3.08	1990	1980
<i>70</i>	335	18655	335	-69.1	-51.5	-82.1			298	297	1.5	7.5	109.90	3.16	1990	1984
<i>60</i>	308	19588	308	-64.2	-45.5	-82.7			272	080	1.8	6.9	115.39	3.30	1990	1984
<i>50</i>	280	20719	280	-59.7	-40.5	-76.9			240	077	3.9	6.8	134.35	2.93	1990	1984
<i>40</i>	236	22137	236	-55.7	-34.3	-69.5			202	084	4.9	7.0	146.86	2.87	1990	1984
<i>30</i>	173	23980	172	-52.1	-38.7	-63.3			147	089	5.6	7.7	169.13	2.85	1990	1984
<i>25</i>	154	25159	154	-49.7	-31.5	-62.1			124	100	4.8	7.7	177.50	3.44	1990	1984
<i>20</i>	112	26639	112	-47.6	-34.1	-59.1			89	114	4.3	7.4	226.96	2.83	1986	1984
<i>15</i>	74	28548	74	-45.7	-36.1	-57.9			54	128	3.2	7.4	270.53	3.49	1990	1984
<i>10</i>	28	31188	28	-44.4	-31.9	-57.1			18	195	3.3	8.9	274.00	4.08	1989	1984
<i>7</i>	6	33209	6	-48.4	-40.5	-54.9			5	241	8.6	11.6			1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

542	589	453		5	154	1369	-72.1		397	104	1635	-77.4
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NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	591	1008	591	17.7	23.0	11.0	591	17.0	590	067	0.2	0.3	1.20	0.92	1974	1971
1000	549	120	549	18.1	23.0	12.0	547	17.0	545	078	0.9	1.1	8.67	0.86	1974	1971
950	549	557	549	18.8	24.0	12.2	548	15.5	544	083	3.2	3.9	8.73	0.90	1972	1986
900	549	1026	549	16.9	23.2	8.0	548	11.5	544	084	3.7	4.9	8.13	0.84	1987	1976
850	549	1511	549	13.9	20.4	7.2	547	7.0	544	087	2.5	4.7	8.50	0.99	1987	1989
800	549	2020	549	10.5	19.0	3.6	538	2.5	544	098	1.3	4.5	9.00	1.16	1988	1989
750	549	2552	549	7.1	15.6	-4.5	505	-2.4	543	199	0.7	4.9	10.24	1.32	1987	1980
700	549	3119	549	4.2	13.0	-4.0	430	-6.6	544	258	3.0	6.1	11.70	1.38	1987	1978
650	545	3717	545	1.2	8.6	-6.9	353	-10.2	537	266	6.7	9.0	13.13	1.31	1982	1989
600	544	4360	544	-1.4	6.0	-10.1	283	-14.5	536	267	11.1	12.7	14.74	1.33	1974	1989
550	539	5051	537	-4.7	4.4	-13.3	211	-18.0	526	267	14.3	15.5	19.17	1.55	1990	1982
500	536	5793	532	-9.2	-1.3	-18.5	179	-22.0	519	267	16.8	17.9	19.49	1.74	1989	1982
450	531	6602	528	-14.5	-5.9	-25.1	163	-27.1	512	267	19.7	21.0	25.49	1.88	1987	1980
400	530	7483	527	-20.6	-11.0	-31.1	150	-32.3	512	266	23.3	24.9	30.56	2.10	1976	1980
350	517	8461	515	-27.3	-17.7	-37.9	133	-38.4	492	266	27.6	29.6	39.52	2.12	1990	1988
300	503	9553	499	-34.5	-24.9	-44.7	114	-45.2	477	265	32.3	34.5	46.85	1.82	1990	1989
250	498	10805	496	-43.2	-26.5	-53.5	69	-52.1	470	263	36.0	38.3	54.99	1.82	1981	1980
200	483	12274	482	-53.8	-40.5	-66.7	6	-58.7	451	262	38.5	41.0	65.29	2.12	1989	1980
175	463	13120	461	-59.8	-47.1	-68.7			433	262	36.5	39.1	71.12	2.30	1989	1980
150	446	14072	444	-65.6	-53.1	-75.0			420	262	33.7	35.5	77.05	2.39	1989	1977
125	417	15162	417	-71.0	-58.3	-80.1			396	264	28.4	29.8	84.86	2.55	1989	1979
100	390	16470	390	-74.7	-61.9	-85.1			370	267	20.2	21.7	94.83	2.38	1989	1981
80	356	17765	356	-74.3	-61.5	-86.7			338	272	13.0	14.7	97.14	2.93	1985	1981
70	333	18548	333	-71.3	-54.7	-84.1			314	276	9.0	11.1	103.61	3.17	1985	1981
60	298	19471	298	-66.3	-48.1	-82.0			279	279	5.8	9.2	105.38	2.97	1985	1978
50	260	20594	260	-60.9	-42.5	-78.0			231	272	2.7	7.1	115.02	2.81	1985	1977
40	211	22007	211	-56.2	-37.5	-72.0			190	263	1.1	6.4	134.76	2.69	1985	1977
30	159	23867	159	-51.8	-41.7	-61.0			144	194	0.4	6.9	147.87	3.06	1982	1977
25	121	25046	121	-49.8	-38.3	-59.1			106	241	0.7	6.4	164.27	3.11	1985	1988
20	75	26550	75	-47.5	-36.9	-57.9			66	271	3.6	7.6	174.88	2.03	1990	1988
15	44	28480	44	-45.9	-34.5	-56.7			38	261	4.6	9.2	364.09	3.83	1990	1988
10	14	31233	14	-43.6	-38.1	-54.9			10	298	2.5	10.9			1986	1988
7	3	33195	3	-49.8	-43.1	-55.7			3	254	9.6	11.7			1986	1988

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N P ALT

N P ALT T

N P ALT T

544 628 401

20 161 1372 -66.3

379 100 1650 -76.1

NORMALS OF RADIOSONDE DATA

42410 GUWAHATI

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	607	1010	607	12.9	20.0	8.0	607	12.4	607	076	0.1	0.1	1.20	1.07	1977	1975
1000	555	137	555	13.6	19.6	8.8	555	12.2	549	081	0.8	1.2	8.97	0.90	1988	1982
950	555	567	554	15.5	23.2	8.8	554	11.5	549	084	2.4	3.6	8.90	0.81	1988	1982
900	555	1031	554	13.3	20.0	7.0	554	7.4	549	081	2.7	4.4	9.58	0.77	1972	1981
850	555	1510	555	10.4	18.0	4.0	546	2.8	549	085	2.4	4.7	10.10	0.87	1972	1986
800	555	2013	555	7.3	18.4	1.6	516	-1.3	547	096	1.5	4.6	10.55	0.95	1990	1979
750	555	2538	555	4.4	14.8	-4.3	449	-5.7	548	276	1.1	5.4	11.27	0.93	1989	1980
700	555	3100	554	2.0	12.0	-5.9	386	-9.7	548	277	5.5	8.3	12.71	1.00	1989	1984
650	554	3696	553	-0.2	11.2	-8.9	284	-13.0	546	275	10.6	12.5	14.71	1.29	1987	1979
600	551	4335	549	-2.7	8.0	-12.7	218	-15.9	536	273	15.6	17.0	15.74	1.46	1971	1979
550	546	5021	543	-6.6	3.0	-17.5	181	-19.6	531	274	18.6	19.8	19.07	1.59	1971	1989
500	545	5759	543	-11.4	-2.5	-22.5	160	-23.8	528	272	21.0	22.3	20.49	1.67	1987	1986
450	540	6559	538	-16.9	-7.0	-29.0	155	-28.4	521	272	24.8	26.4	24.26	1.79	1971	1977
400	536	7434	533	-23.0	-13.0	-36.0	151	-33.7	518	272	29.1	30.7	28.91	2.08	1975	1977
350	526	8400	524	-29.8	-19.0	-44.0	135	-39.6	507	269	33.8	35.6	37.05	2.32	1975	1977
300	519	9484	517	-37.2	-24.5	-52.0	117	-45.8	498	268	38.9	40.8	46.97	2.37	1989	1977
250	504	10722	502	-45.4	-33.7	-60.0	65	-52.9	476	265	43.9	46.1	58.55	2.17	1989	1977
200	484	12181	482	-54.8	-42.9	-65.3	2	-57.5	451	263	46.2	48.3	70.03	1.96	1989	1981
175	453	13024	452	-59.9	-44.7	-71.1			427	262	44.4	46.1	72.51	2.18	1989	1983
150	433	13975	432	-64.6	-49.5	-76.7			410	262	40.6	42.0	72.74	2.38	1989	1980
125	417	15076	417	-69.1	-55.1	-82.7			396	264	36.0	37.2	75.46	2.49	1989	1980
100	385	16398	384	-73.1	-60.1	-85.3			362	266	27.6	28.5	78.32	2.73	1986	1980
80	355	17704	355	-73.1	-55.3	-87.3			336	268	18.9	20.2	102.37	3.21	1986	1980
70	327	18490	327	-71.2	-52.5	-85.1			308	273	14.7	16.3	111.44	3.62	1986	1980
60	295	19411	295	-67.4	-50.1	-79.3			278	274	11.4	13.2	119.87	3.47	1988	1980
50	250	20527	250	-61.8	-42.1	-74.0			227	275	8.4	11.1	119.89	3.41	1988	1978
40	208	21944	208	-57.0	-43.5	-70.1			190	268	6.1	9.6	139.24	2.92	1988	1982
30	143	23802	143	-52.9	-40.9	-65.1			136	268	5.0	9.2	154.82	2.71	1988	1984
25	116	24978	116	-50.7	-40.1	-64.3			110	264	4.0	9.5	165.15	2.56	1988	1984
20	77	26455	77	-48.4	-37.9	-60.9			72	265	6.1	10.6	241.62	4.02	1988	1984
15	47	28341	47	-47.2	-36.1	-61.5			44	263	8.5	12.1	235.30	4.20	1990	1984
10	15	31100	15	-43.3	-36.1	-54.5			10	262	14.6	18.6			1990	1984
7	2	33297	2	-46.7	-41.5	-51.9			1	266	30.0	30.0			1983	1984

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

554 659 360

54 194 1252 -60.9

370 101 1641 -74.5

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

JANUARY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	955	589	16.8	21.4	10.0	589	13.2	589	127	2.3	2.8	1.43	1.33	1982	1975
<i>1000</i>	558	142											12.85			
<i>950</i>	524	569	524	16.9	21.4	10.0	521	12.8	519	128	3.5	4.2	21.15	1.27	1982	1975
<i>900</i>	533	1041	532	17.4	28.2	6.0	524	8.3	531	120	4.0	5.2	13.28	1.19	1990	1974
<i>850</i>	533	1527	532	15.2	27.2	6.0	498	3.7	531	086	2.2	4.9	14.01	1.17	1990	1974
<i>800</i>	532	2039	531	12.3	23.8	5.0	431	-0.3	530	021	1.5	4.8	14.83	1.16	1990	1974
<i>750</i>	532	2573	531	9.7	21.0	2.0	341	-3.8	530	338	1.8	5.1	15.13	1.36	1990	1979
<i>700</i>	532	3146	532	7.3	18.0	0.0	227	-7.6	530	306	2.2	5.7	17.89	1.39	1990	1981
<i>650</i>	530	3751	530	4.5	16.8	-5.1	145	-11.2	528	287	3.8	6.8	13.95	1.35	1986	1979
<i>600</i>	527	4400	527	1.0	9.0	-8.0	96	-13.6	525	280	5.7	8.4	22.03	1.25	1990	1972
<i>550</i>	526	5098	526	-3.1	5.0	-14.0	72	-17.5	523	277	7.5	9.9	29.29	1.30	1983	1972
<i>500</i>	524	5843	524	-7.8	1.0	-20.0	45	-20.6	521	276	9.2	11.6	27.64	1.41	1990	1972
<i>450</i>	522	6655	522	-12.9	-3.1	-26.0	33	-23.8	519	275	11.8	14.2	31.30	1.57	1990	1972
<i>400</i>	519	7545	519	-18.6	-9.1	-35.0	24	-29.5	516	273	14.6	16.8	37.38	1.72	1990	1972
<i>350</i>	512	8532	511	-24.9	-15.1	-42.0	16	-36.0	506	271	17.8	19.8	39.58	1.88	1990	1972
<i>300</i>	509	9637	507	-32.8	-22.3	-49.0	7	-40.7	504	265	20.0	22.1	50.77	2.08	1990	1972
<i>250</i>	500	10899	498	-42.3	-28.1	-56.0			495	258	21.4	23.6	62.80	2.19	1984	1972
<i>200</i>	492	12372	491	-53.9	-42.7	-65.0			485	255	22.2	24.4	73.26	2.24	1990	1972
<i>175</i>	453	13218	453	-60.2	-51.3	-71.0			444	255	21.3	23.5	81.35	2.12	1990	1972
<i>150</i>	438	14166	438	-66.9	-55.9	-77.5			429	255	19.1	21.5	90.04	1.92	1990	1980
<i>125</i>	401	15252	401	-73.0	-61.1	-82.1			385	257	14.9	17.4	101.84	2.10	1990	1980
<i>100</i>	372	16540	372	-78.8	-68.3	-88.3			363	262	10.1	13.3	114.01	1.92	1983	1984
<i>80</i>	319	17817	319	-76.0	-62.9	-87.0			306	264	5.3	8.9	120.84	2.47	1983	1977
<i>70</i>	292	18620	292	-72.1	-58.1	-83.0			275	261	3.7	8.0	130.40	2.35	1983	1972
<i>60</i>	249	19531	249	-66.9	-56.0	-77.5			234	268	3.0	7.5	142.08	2.62	1977	1983
<i>50</i>	204	20668	204	-61.7	-53.3	-74.1			194	308	1.9	6.8	151.49	2.49	1983	1983
<i>40</i>	148	22079	148	-57.3	-48.3	-66.1			139	042	0.8	8.0	176.50	2.01	1990	1984
<i>30</i>	99	23944	99	-52.8	-44.5	-62.9			92	086	1.8	7.9	203.17	2.09	1990	1988
<i>25</i>	71	25118	71	-50.8	-43.1	-60.1			63	079	3.7	8.5	161.78	1.74	1979	1988
<i>20</i>	56	26581	56	-47.8	-40.1	-57.5			50	073	2.6	9.5	207.07	1.88	1988	1988
<i>15</i>	44	28497	44	-44.9	-35.1	-55.1			41	069	1.5	8.0	197.46	2.14	1988	1988
<i>10</i>	28	31196	28	-42.0	-36.1	-51.5			25	226	1.5	8.6	239.90	3.10	1983	1988
<i>7</i>	23	33616	23	-39.1	-33.3	-48.1			20	256	3.9	9.3	263.98	3.35	1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

530 588 456

340 096 1681 -80.8

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

FEBRUARY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	537	953	537	19.6	24.0	12.0	537	14.2	537	137	2.2	3.1	1.52	0.95	1977	1976
<i>1000</i>	522	123											13.67			
<i>950</i>	476	562	471	19.7	24.0	12.0	464	13.8	462	136	3.2	4.4	15.41	0.91	1975	1976
<i>900</i>	510	1030	510	20.1	28.0	11.4	489	9.2	505	134	3.6	5.6	13.86	1.24	1974	1981
<i>850</i>	510	1520	510	17.5	25.0	7.0	483	4.8	505	133	1.7	5.4	14.26	1.10	1974	1976
<i>800</i>	510	2035	509	14.1	22.0	6.0	459	1.6	505	292	0.7	5.2	14.01	1.14	1989	1987
<i>750</i>	510	2571	508	10.2	19.4	3.8	433	-1.0	504	297	2.6	5.7	15.30	1.17	1989	1987
<i>700</i>	510	3145	508	6.8	16.4	-1.0	355	-4.8	503	292	3.8	6.7	16.49	1.45	1985	1973
<i>650</i>	505	3749	503	3.9	13.0	-5.7	259	-9.5	500	287	4.9	7.6	12.97	1.53	1974	1980
<i>600</i>	502	4396	501	0.7	8.0	-7.1	153	-13.1	497	279	6.8	9.2	20.23	1.47	1985	1987
<i>550</i>	500	5096	498	-3.3	3.4	-11.1	101	-17.1	496	274	8.7	10.7	25.48	1.42	1985	1988
<i>500</i>	498	5838	495	-7.8	0.6	-17.3	60	-20.0	494	275	11.0	13.0	24.99	1.48	1990	1988
<i>450</i>	493	6651	490	-12.8	-1.5	-22.9	44	-24.2	489	274	13.1	15.1	26.64	1.44	1990	1988
<i>400</i>	484	7542	482	-18.3	-5.7	-28.9	36	-28.3	480	273	15.9	18.2	31.17	1.58	1990	1988
<i>350</i>	481	8530	480	-24.7	-12.1	-36.0	23	-33.0	475	269	18.8	21.0	33.62	1.66	1990	1976
<i>300</i>	472	9634	472	-32.3	-19.1	-41.0	12	-36.6	467	265	21.2	23.4	43.96	1.79	1990	1978
<i>250</i>	464	10898	464	-41.8	-30.1	-52.3	2	-44.3	460	261	22.6	24.9	53.26	1.96	1990	1982
<i>200</i>	448	12377	448	-53.1	-43.3	-62.3			444	261	22.3	24.9	66.51	2.03	1990	1982
<i>175</i>	415	13226	415	-59.6	-49.1	-69.0			412	262	21.1	23.9	72.67	2.22	1990	1977
<i>150</i>	403	14175	403	-66.4	-54.1	-76.5			399	263	19.5	22.0	81.29	2.08	1990	1979
<i>125</i>	369	15260	369	-72.4	-55.1	-83.3			359	264	15.7	18.2	85.44	2.12	1985	1979
<i>100</i>	347	16551	347	-78.3	-68.9	-88.5			334	266	11.1	13.6	94.29	2.85	1990	1984
<i>80</i>	302	17834	302	-75.6	-62.1	-89.1			279	266	7.0	9.6	108.24	2.32	1980	1987
<i>70</i>	278	18632	278	-71.7	-56.5	-84.1			253	269	6.5	8.9	119.59	2.52	1980	1982
<i>60</i>	254	19537	254	-67.1	-55.1	-80.1			227	275	4.1	7.4	120.65	2.05	1989	1987
<i>50</i>	234	20661	234	-61.6	-48.1	-74.1			209	273	2.3	7.0	135.45	2.22	1989	1987
<i>40</i>	148	22072	148	-57.8	-45.5	-70.0			129	327	0.9	6.9	147.71	1.76	1989	1978
<i>30</i>	96	23937	96	-53.0	-44.5	-62.7			79	075	3.3	7.6	179.58	2.20	1987	1987
<i>25</i>	73	25090	73	-50.3	-40.3	-58.9			61	092	2.9	7.4	151.05	2.22	1988	1979
<i>20</i>	54	26583	54	-47.3	-38.1	-54.1			44	095	2.3	6.1	119.93	1.08	1988	1989
<i>15</i>	41	28487	41	-44.4	-35.5	-51.1			37	115	2.4	7.7	119.64	1.10	1988	1988
<i>10</i>	34	31224	34	-40.1	-32.5	-47.3			32	108	4.5	7.5	159.20	1.19	1988	1988
<i>7</i>	23	33642	23	-38.0	-30.5	-43.7			22	140	2.5	7.3	112.62	0.89	1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

501 593 450

327 097 1677 -80.4

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

MARCH 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	588	951	588	22.6	28.2	15.6	588	15.0	588	157	1.6	3.0	1.40	0.74	1986	1984
<i>1000</i>	573	106											12.21			
<i>950</i>	440	555	424	22.6	28.2	16.0	419	14.6	420	160	2.6	4.5	11.56	1.08	1986	1984
<i>900</i>	565	1022	565	23.4	37.8	14.0	541	7.6	561	163	2.9	5.8	13.88	1.16	1989	1989
<i>850</i>	565	1518	565	20.7	35.2	10.2	534	3.7	562	159	1.9	5.6	13.36	1.20	1989	1984
<i>800</i>	564	2036	564	17.0	30.2	7.6	525	1.0	560	182	0.1	5.1	13.33	1.17	1989	1979
<i>750</i>	563	2573	563	12.5	24.0	3.2	510	-1.1	559	324	1.6	5.5	15.15	1.12	1989	1984
<i>700</i>	562	3155	562	8.0	17.6	0.8	494	-3.7	560	321	2.6	6.1	14.94	1.08	1985	1979
<i>650</i>	557	3759	557	3.8	13.0	-3.1	437	-7.4	553	306	3.3	6.8	14.14	1.13	1974	1982
<i>600</i>	557	4407	556	0.3	9.0	-7.1	305	-11.4	551	296	3.9	7.2	18.29	1.21	1990	1981
<i>550</i>	552	5104	551	-3.3	6.0	-13.1	179	-16.2	548	289	5.4	8.4	25.96	1.24	1990	1983
<i>500</i>	551	5849	549	-7.6	1.0	-14.9	98	-19.3	547	282	7.3	10.0	23.61	1.32	1990	1989
<i>450</i>	542	6662	540	-12.8	-2.0	-25.1	58	-24.1	536	281	9.6	12.2	27.23	1.46	1975	1983
<i>400</i>	536	7552	533	-18.7	-8.0	-27.0	45	-29.8	530	279	12.1	14.7	31.48	1.69	1975	1974
<i>350</i>	526	8537	523	-25.1	-14.9	-35.1	34	-35.3	520	273	15.3	17.9	32.64	1.70	1990	1983
<i>300</i>	519	9641	517	-32.7	-22.7	-41.3	19	-42.1	517	268	18.5	21.2	44.22	1.80	1990	1981
<i>250</i>	509	10903	508	-41.9	-32.1	-50.5	1	-49.7	504	262	20.3	22.9	51.55	1.76	1990	1979
<i>200</i>	494	12381	494	-52.9	-43.7	-63.0			493	259	21.0	23.4	62.30	1.74	1987	1978
<i>175</i>	454	13232	454	-59.1	-49.9	-71.0			447	260	20.3	22.6	68.73	1.91	1990	1978
<i>150</i>	441	14184	441	-65.8	-56.1	-76.0			433	262	18.0	20.4	75.17	2.09	1986	1978
<i>125</i>	404	15275	404	-72.0	-62.1	-83.0			396	261	15.0	17.2	84.98	2.42	1990	1978
<i>100</i>	380	16570	380	-77.9	-61.1	-88.1			372	265	10.4	13.0	93.59	2.06	1990	1982
<i>80</i>	322	17850	322	-75.4	-63.0	-90.1			311	272	5.9	9.3	98.57	2.08	1976	1982
<i>70</i>	299	18650	299	-71.3	-61.1	-84.1			286	267	5.1	8.5	114.00	2.71	1981	1982
<i>60</i>	254	19566	254	-66.3	-54.5	-77.3			239	272	4.2	7.5	123.29	3.61	1986	1979
<i>50</i>	223	20691	223	-60.8	-46.5	-73.1			209	275	1.9	6.9	133.44	3.38	1986	1979
<i>40</i>	142	22085	142	-56.3	-43.3	-69.5			126	070	1.7	7.9	150.12	2.30	1986	1987
<i>30</i>	90	23939	90	-51.5	-39.5	-60.3			78	064	3.6	7.3	186.38	2.91	1986	1979
<i>25</i>	70	25109	70	-49.1	-39.5	-57.7			61	089	5.3	9.4	222.99	2.54	1983	1988
<i>20</i>	51	26601	51	-46.5	-37.7	-55.7			44	087	5.8	9.0	269.05	2.18	1989	1988
<i>15</i>	41	28507	41	-43.0	-34.3	-53.1			35	099	6.7	10.1	198.33	2.40	1989	1988
<i>10</i>	30	31276	30	-39.1	-29.3	-49.9			23	102	6.8	9.1	198.38	2.72	1989	1988
<i>7</i>	22	33651	22	-36.9	-27.3	-46.7			17	098	6.5	9.6	103.49	2.33	1989	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

555 595 447

351 096 1679 -79.8

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

APRIL 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	570	949	570	26.0	31.2	20.0	569	16.9	570	203	1.1	3.1	1.26	0.59	1980	1975
<i>1000</i>	555	81											11.94			
<i>950</i>	268	540	216	25.3	30.0	20.0	214	17.4	215	180	2.2	4.5	17.37	1.14	1987	1989
<i>900</i>	517	1007	517	25.7	33.6	16.0	498	10.5	515	211	2.6	6.2	11.59	0.65	1990	1976
<i>850</i>	518	1507	518	23.1	31.0	14.0	487	6.3	516	208	2.3	5.8	11.61	0.78	1990	1976
<i>800</i>	517	2031	517	19.4	29.0	11.0	480	3.4	515	216	1.1	4.8	11.32	0.91	1990	1983
<i>750</i>	517	2574	517	14.9	25.0	7.6	477	0.6	515	012	0.8	4.5	13.14	1.00	1990	1983
<i>700</i>	517	3159	517	10.0	19.0	3.0	479	-2.1	515	013	2.0	5.0	11.90	1.08	1972	1982
<i>650</i>	515	3764	515	5.0	15.8	-4.7	458	-4.7	513	009	2.5	5.5	10.47	1.19	1990	1984
<i>600</i>	514	4416	514	0.7	12.4	-6.0	400	-8.8	513	356	2.5	6.0	16.32	1.38	1990	1972
<i>550</i>	510	5117	509	-3.1	8.0	-10.5	309	-13.6	508	322	2.5	6.3	24.34	1.33	1990	1979
<i>500</i>	507	5859	506	-7.0	3.6	-14.0	201	-18.7	504	297	3.9	7.7	23.11	1.23	1990	1975
<i>450</i>	504	6676	502	-11.8	-1.5	-22.0	125	-22.6	499	288	6.1	9.4	29.42	1.27	1990	1972
<i>400</i>	503	7568	503	-17.6	-6.3	-31.0	100	-27.6	497	281	8.2	10.9	30.68	1.32	1990	1972
<i>350</i>	498	8557	498	-24.2	-12.9	-35.0	80	-33.3	489	273	10.8	13.4	31.42	1.37	1990	1972
<i>300</i>	488	9667	488	-32.0	-20.3	-42.0	42	-39.9	481	266	13.5	16.4	42.54	1.68	1990	1972
<i>250</i>	478	10931	478	-41.3	-28.5	-52.0	3	-47.4	471	259	15.6	18.5	51.19	2.02	1990	1972
<i>200</i>	463	12414	463	-52.4	-39.5	-66.0			454	253	17.1	19.5	65.96	2.22	1990	1972
<i>175</i>	437	13266	437	-58.6	-42.9	-69.1			426	253	15.6	17.9	71.77	2.18	1990	1982
<i>150</i>	420	14218	420	-65.6	-50.9	-76.1			410	253	13.3	15.5	80.88	2.09	1990	1983
<i>125</i>	388	15305	388	-72.0	-58.1	-85.5			378	256	8.7	11.7	85.41	2.15	1990	1987
<i>100</i>	366	16598	365	-78.0	-66.1	-88.5			354	262	3.4	8.8	92.29	1.91	1990	1982
<i>80</i>	310	17886	309	-75.4	-60.7	-86.5			302	059	1.0	7.0	106.09	2.53	1980	1982
<i>70</i>	284	18689	283	-71.3	-56.5	-83.1			275	068	1.5	6.5	112.17	2.91	1985	1982
<i>60</i>	252	19605	252	-66.4	-50.1	-78.3			240	080	1.3	6.3	123.95	2.53	1985	1983
<i>50</i>	230	20743	230	-60.0	-42.9	-74.1			220	067	3.0	6.6	139.87	2.54	1985	1983
<i>40</i>	151	22164	151	-55.1	-44.7	-66.9			143	082	4.7	7.6	160.02	2.21	1979	1983
<i>30</i>	102	24057	102	-50.2	-39.7	-57.9			98	083	5.8	8.2	194.97	2.79	1981	1979
<i>25</i>	73	25256	73	-47.6	-40.1	-54.5			70	080	5.9	8.4	220.06	2.63	1990	1987
<i>20</i>	55	26768	55	-44.3	-38.1	-52.1			52	088	7.2	9.8	191.33	2.68	1989	1987
<i>15</i>	34	28697	34	-41.2	-34.1	-49.1			31	087	7.3	9.2	222.44	2.75	1990	1983
<i>10</i>	24	31429	24	-37.7	-31.5	-46.1			21	093	8.9	10.2	261.69	3.88	1989	1987
<i>7</i>	17	33830	17	-36.5	-29.1	-45.1			15	084	9.3	10.8			1989	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
484	588	458					326	095	1688	-79.9

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

MAY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	947	589	27.7	39.0	20.2	589	17.5	589	266	2.4	4.3	1.75	1.11	1975	1979
<i>1000</i>	565	58											16.75			
<i>950</i>	168	515	71	26.2	29.0	21.2	71	18.2	70	257	1.2	4.9	36.62	0.73	1986	1982
<i>900</i>	545	988	545	25.9	36.0	10.0	535	13.0	537	282	5.1	8.5	15.26	1.16	1975	1976
<i>850</i>	545	1488	545	23.3	31.4	9.0	532	9.0	538	295	4.7	8.2	14.90	1.20	1979	1973
<i>800</i>	545	2012	545	19.9	28.2	10.2	524	5.9	537	312	3.0	6.2	14.41	1.16	1984	1987
<i>750</i>	545	2556	545	15.7	22.8	3.8	518	3.0	537	359	2.5	5.2	15.51	1.09	1988	1987
<i>700</i>	544	3143	544	11.1	19.0	3.0	515	0.2	537	021	3.0	5.4	14.11	0.94	1990	1989
<i>650</i>	542	3747	542	6.3	15.4	-3.7	507	-3.0	534	033	3.8	5.9	13.02	1.00	1990	1987
<i>600</i>	539	4405	538	1.6	11.2	-8.1	483	-6.4	530	038	3.8	6.3	15.78	1.08	1990	1984
<i>550</i>	536	5105	534	-2.5	7.0	-10.7	425	-11.1	528	030	3.4	6.3	23.21	1.16	1990	1987
<i>500</i>	531	5852	529	-6.2	3.0	-14.0	313	-15.4	523	005	3.1	6.9	19.48	1.22	1990	1973
<i>450</i>	518	6671	515	-10.5	4.6	-20.5	221	-20.4	508	347	3.2	7.6	21.47	1.34	1990	1987
<i>400</i>	513	7570	512	-15.9	-6.1	-25.1	162	-25.3	505	322	3.2	8.0	25.85	1.37	1990	1989
<i>350</i>	503	8565	502	-22.2	-10.9	-31.1	100	-31.3	494	286	3.2	8.2	27.51	1.45	1990	1989
<i>300</i>	497	9684	496	-29.9	-16.9	-37.3	59	-38.4	490	262	3.8	8.6	36.71	1.60	1990	1981
<i>250</i>	477	10960	476	-39.5	-25.9	-49.1	13	-42.9	467	241	5.2	9.7	44.63	1.92	1990	1982
<i>200</i>	460	12451	459	-51.3	-42.1	-60.0			451	220	5.6	10.7	53.99	2.17	1990	1977
<i>175</i>	428	13306	425	-58.1	-48.1	-67.0			416	208	5.5	10.8	62.29	2.22	1990	1972
<i>150</i>	416	14261	413	-65.6	-54.3	-75.9			403	187	4.4	10.4	71.80	2.33	1990	1983
<i>125</i>	375	15351	374	-72.5	-59.1	-83.1			360	142	4.0	9.9	82.68	2.47	1987	1981
<i>100</i>	358	16642	358	-78.9	-66.7	-89.3			345	109	7.1	10.1	98.42	2.33	1989	1983
<i>80</i>	313	17918	313	-75.5	-61.3	-87.5			301	098	8.6	10.6	119.58	2.51	1986	1983
<i>70</i>	296	18720	296	-71.0	-57.1	-85.0			281	094	8.0	9.7	135.29	2.96	1986	1972
<i>60</i>	261	19631	260	-65.9	-52.7	-80.0			244	089	7.7	9.2	143.09	3.08	1986	1972
<i>50</i>	237	20764	237	-60.0	-47.5	-72.7			218	084	8.6	9.8	168.60	2.74	1986	1987
<i>40</i>	135	22168	135	-55.5	-40.1	-67.1			126	085	10.8	11.5	161.84	2.49	1989	1985
<i>30</i>	92	24006	92	-50.0	-38.1	-62.9			87	089	13.4	13.8	137.68	2.86	1982	1987
<i>25</i>	69	25175	69	-47.9	-38.7	-60.3			66	089	13.1	13.8	163.13	2.26	1990	1983
<i>20</i>	40	26607	40	-45.4	-34.9	-60.1			38	088	12.3	13.2	174.69	2.69	1980	1983
<i>15</i>	26	28489	26	-42.8	-35.3	-52.1			24	089	14.8	15.3	223.47	2.91	1987	1987
<i>10</i>	15	31176	15	-39.0	-30.9	-47.9			14	089	13.9	14.1			1987	1987
<i>7</i>	10	33640	10	-37.0	-34.3	-44.1			8	102	15.4	15.8			1983	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

536 580 468

324 096 1691 -81.0

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

JUNE 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	570	945	570	25.2	35.0	21.0	570	20.1	570	266	5.4	5.9	1.43	0.82	1972	1974
<i>1000</i>	536	45											13.73			
<i>950</i>	84	485	6	25.3	28.6	22.8	6	20.0	6	256	3.9	5.2	47.98		1989	1981
<i>900</i>	520	969	520	22.9	34.0	14.8	514	17.8	515	277	10.0	11.0	13.21	0.95	1974	1989
<i>850</i>	520	1465	520	20.6	31.8	12.0	512	14.7	515	286	10.9	12.3	12.94	1.09	1983	1978
<i>800</i>	520	1987	520	18.0	29.8	9.0	507	11.4	515	289	8.5	10.1	13.29	1.01	1983	1975
<i>750</i>	519	2531	519	14.7	23.0	7.0	500	8.0	514	291	5.8	8.1	17.73	0.85	1983	1978
<i>700</i>	519	3115	519	10.9	18.0	3.0	497	4.5	514	293	3.6	6.9	15.00	0.78	1981	1978
<i>650</i>	516	3723	515	7.0	13.6	-3.9	489	0.9	511	297	2.7	6.6	13.83	0.82	1981	1984
<i>600</i>	508	4382	505	3.0	9.2	-4.1	480	-2.7	503	297	2.2	6.5	16.08	0.89	1983	1989
<i>550</i>	499	5089	497	-1.0	6.0	-10.0	457	-6.5	495	296	2.3	6.3	24.38	1.08	1973	1976
<i>500</i>	494	5837	492	-4.9	1.4	-14.0	424	-10.9	490	298	2.0	6.0	19.78	1.13	1990	1972
<i>450</i>	488	6661	487	-9.2	5.4	-17.1	383	-15.6	481	336	1.3	5.7	23.72	1.18	1983	1987
<i>400</i>	484	7562	484	-14.4	-5.1	-28.0	344	-21.0	479	038	1.4	5.3	25.88	1.27	1990	1978
<i>350</i>	477	8565	476	-20.7	-12.9	-28.1	286	-27.4	470	068	3.1	6.0	32.14	1.30	1983	1985
<i>300</i>	463	9689	463	-28.5	-15.0	-37.9	217	-35.1	456	079	5.6	7.3	35.38	1.48	1975	1983
<i>250</i>	450	10972	450	-38.3	-28.5	-47.7	85	-43.2	443	084	8.4	9.9	42.97	1.73	1990	1983
<i>200</i>	437	12469	437	-50.8	-41.7	-61.0			427	087	12.6	14.2	53.68	2.08	1990	1978
<i>175</i>	418	13326	418	-57.9	-49.7	-68.1			405	088	15.3	16.7	60.10	2.22	1990	1979
<i>150</i>	401	14280	401	-66.0	-52.0	-75.5			388	086	18.9	20.1	76.78	2.31	1976	1979
<i>125</i>	381	15363	381	-73.6	-61.1	-85.5			368	087	22.3	23.3	83.46	2.66	1983	1989
<i>100</i>	353	16641	353	-80.2	-70.1	-89.1			343	091	23.6	24.4	99.22	2.44	1990	1982
<i>80</i>	303	17914	303	-76.2	-64.9	-88.0			290	089	18.9	19.6	114.24	3.02	1983	1972
<i>70</i>	278	18714	277	-71.7	-60.9	-87.0			266	086	17.3	17.9	119.49	2.82	1983	1977
<i>60</i>	238	19625	238	-66.4	-54.7	-78.0			229	083	15.8	16.4	139.44	2.92	1981	1972
<i>50</i>	215	20745	215	-60.6	-49.5	-75.0			204	085	16.7	17.3	130.97	3.26	1986	1977
<i>40</i>	135	22143	135	-56.2	-45.1	-71.0			124	087	17.7	18.1	141.81	2.75	1986	1977
<i>30</i>	97	24030	97	-50.7	-39.5	-59.1			90	091	19.9	20.3	114.70	2.86	1986	1983
<i>25</i>	72	25207	72	-48.1	-35.7	-54.1			66	089	21.4	21.7	126.13	2.71	1990	1987
<i>20</i>	49	26730	49	-45.8	-38.9	-58.5			45	092	19.2	19.7	118.15	2.39	1982	1983
<i>15</i>	36	28646	36	-42.9	-35.5	-49.5			33	091	20.3	20.7	176.02	2.60	1982	1984
<i>10</i>	27	31414	27	-38.6	-30.7	-47.9			22	089	19.8	20.6	189.84	3.65	1982	1984
<i>7</i>	14	33737	14	-38.0	-32.5	-47.1			13	091	22.0	22.2			1987	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

504 562 492

330 098 1677 -82.3

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

JULY 1972-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	946	589	23.7	33.0	21.0	589	20.6	589	265	5.6	6.0	1.79	0.48	1974	1975
<i>1000</i>	577	51											15.91			
<i>950</i>	100	495	16	23.5	25.6	21.8	16	20.4	16	272	5.9	6.3	42.31		1987	1989
<i>900</i>	538	970	537	21.3	29.0	15.0	533	18.6	530	275	10.5	11.1	16.30	0.35	1974	1983
<i>850</i>	538	1463	538	18.9	25.0	11.0	532	16.0	532	283	12.4	13.1	16.31	0.45	1974	1990
<i>800</i>	538	1983	538	16.3	24.0	9.8	531	12.9	529	283	11.2	12.1	16.75	0.55	1977	1990
<i>750</i>	538	2523	537	13.3	21.0	6.0	530	9.5	528	280	9.5	10.4	17.50	0.62	1977	1975
<i>700</i>	538	3106	538	10.3	18.6	4.0	528	5.8	531	281	7.7	8.8	17.12	0.62	1983	1975
<i>650</i>	534	3715	534	6.9	18.0	0.0	520	1.9	519	282	6.2	7.6	13.87	0.73	1974	1975
<i>600</i>	530	4372	529	3.3	12.2	-4.0	514	-1.9	513	285	5.2	7.2	18.31	0.75	1988	1975
<i>550</i>	526	5078	525	-0.5	8.0	-8.0	502	-5.8	508	283	4.2	6.6	25.21	0.82	1988	1975
<i>500</i>	516	5829	515	-4.4	3.8	-12.1	481	-10.3	498	290	2.8	6.0	21.35	1.02	1983	1987
<i>450</i>	510	6653	508	-8.8	-1.1	-15.1	450	-14.9	491	310	1.0	5.5	24.18	1.08	1990	1989
<i>400</i>	507	7559	505	-14.1	-6.9	-21.5	428	-20.7	487	076	1.7	5.7	27.83	1.11	1990	1987
<i>350</i>	498	8562	496	-20.4	-12.0	-27.1	378	-27.2	479	085	4.9	6.9	30.75	1.28	1974	1979
<i>300</i>	495	9689	494	-28.2	-19.1	-35.5	297	-35.2	476	086	8.9	9.9	37.62	1.42	1988	1981
<i>250</i>	476	10974	475	-38.0	-28.5	-45.7	120	-44.2	453	083	14.1	14.8	45.28	1.77	1988	1985
<i>200</i>	465	12473	465	-50.4	-40.1	-59.0	2	-55.2	442	081	20.7	21.3	58.55	1.97	1988	1975
<i>175</i>	439	13332	439	-57.7	-47.5	-78.0	1	-65.1	413	080	24.7	25.2	67.25	2.16	1990	1974
<i>150</i>	422	14287	422	-65.8	-53.7	-76.0			398	080	29.0	29.7	73.53	2.00	1990	1974
<i>125</i>	382	15374	381	-73.1	-62.9	-85.1			360	083	33.2	33.8	81.25	2.11	1987	1986
<i>100</i>	355	16665	354	-78.5	-65.3	-90.0			334	087	32.3	33.0	95.76	2.55	1990	1977
<i>80</i>	298	17957	297	-73.1	-59.5	-88.0			276	087	25.7	26.1	92.67	3.10	1990	1977
<i>70</i>	275	18762	275	-69.0	-55.9	-84.0			249	085	23.0	23.6	107.95	3.29	1990	1972
<i>60</i>	242	19688	242	-64.3	-53.1	-83.0			214	082	21.5	22.0	114.18	5.52	1990	1974
<i>50</i>	203	20825	203	-59.3	-43.3	-80.0			174	084	20.7	21.3	151.24	6.25	1990	1974
<i>40</i>	121	22248	121	-55.2	-43.9	-75.0			100	086	21.3	21.9	187.02	5.71	1989	1974
<i>30</i>	75	24113	75	-50.8	-37.1	-68.0			58	087	23.8	24.2	251.95	5.15	1990	1974
<i>25</i>	60	25324	59	-47.9	-32.7	-58.5			45	085	24.5	24.9	137.20	2.50	1990	1981
<i>20</i>	47	26814	47	-45.6	-36.1	-57.5			34	091	24.2	24.9	112.84	2.80	1983	1981
<i>15</i>	32	28760	32	-43.5	-36.5	-52.1			20	087	23.3	23.8	147.16	1.93	1982	1981
<i>10</i>	23	31518	23	-39.0	-30.1	-46.3			14	092	22.7	23.1	158.31	2.61	1982	1987
<i>7</i>	13	34009	13	-35.7	-26.5	-43.1			5	089	19.3	19.6			1989	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

524 556 499

335 101 1662 -80.6

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	610	946	610	23.1	27.0	21.0	610	20.5	610	269	5.7	6.0	1.58	0.39	1987	1973
<i>1000</i>	596	53											14.38			
<i>950</i>	171	500	24	23.3	25.6	21.8	24	20.1	24	275	5.7	6.2	33.84	0.28	1987	1986
<i>900</i>	551	972	551	20.9	26.0	16.0	549	18.4	539	281	10.6	11.2	15.34	0.57	1971	1971
<i>850</i>	551	1465	550	18.6	25.0	13.2	548	16.0	539	289	12.0	12.8	15.18	0.62	1971	1979
<i>800</i>	552	1983	551	16.0	24.0	9.8	544	13.1	540	289	11.1	11.9	15.70	0.63	1977	1979
<i>750</i>	552	2525	552	13.2	20.8	4.8	541	9.7	539	288	9.5	10.4	20.53	0.70	1988	1985
<i>700</i>	551	3106	550	10.3	18.0	3.8	537	5.6	537	288	7.9	8.9	16.33	0.70	1974	1981
<i>650</i>	543	3716	543	6.9	15.0	0.0	532	1.5	525	290	6.5	7.6	17.81	0.65	1974	1989
<i>600</i>	537	4372	537	3.3	10.0	-3.1	516	-2.2	518	291	5.1	7.0	18.36	0.76	1973	1980
<i>550</i>	532	5080	531	-0.5	6.0	-11.7	502	-6.1	512	291	4.2	6.5	30.37	0.82	1971	1979
<i>500</i>	526	5830	524	-4.4	3.4	-13.9	489	-10.8	505	292	2.9	6.2	20.87	0.93	1985	1989
<i>450</i>	520	6657	519	-8.9	4.0	-16.1	459	-15.6	498	314	1.1	5.8	24.49	1.03	1984	1986
<i>400</i>	518	7559	518	-14.2	-5.5	-22.0	426	-20.9	497	061	1.4	5.9	25.63	1.14	1988	1975
<i>350</i>	510	8564	510	-20.7	-10.7	-29.1	381	-27.9	485	085	4.5	6.8	31.69	1.28	1990	1979
<i>300</i>	503	9687	503	-28.6	-19.0	-37.3	292	-35.6	478	085	7.9	9.0	34.88	1.62	1972	1979
<i>250</i>	495	10971	495	-38.5	-28.5	-47.3	109	-44.3	469	085	12.7	13.5	46.23	2.03	1990	1979
<i>200</i>	486	12466	486	-51.0	-39.3	-60.5	6	-53.3	457	082	18.9	19.5	57.59	2.16	1990	1981
<i>175</i>	460	13325	460	-58.2	-47.7	-68.0	2	-57.0	432	081	22.1	22.7	64.43	2.22	1990	1972
<i>150</i>	440	14277	440	-66.4	-54.3	-76.0	1	-69.9	410	080	26.4	27.1	73.22	2.31	1990	1972
<i>125</i>	406	15360	406	-74.1	-62.1	-85.0			378	081	29.4	30.3	86.96	2.34	1986	1976
<i>100</i>	384	16648	384	-78.6	-65.1	-90.0			355	087	28.7	29.3	94.57	2.85	1986	1977
<i>80</i>	330	17937	330	-72.1	-61.0	-85.0			298	087	22.4	23.0	95.83	3.09	1976	1977
<i>70</i>	299	18740	299	-68.0	-55.0	-78.0			268	085	20.5	21.0	104.71	2.72	1976	1974
<i>60</i>	246	19671	246	-64.2	-54.1	-77.0			213	085	19.7	20.1	114.77	2.52	1985	1974
<i>50</i>	213	20805	213	-59.9	-47.7	-74.0			183	086	20.7	21.1	126.39	3.02	1985	1974
<i>40</i>	123	22233	123	-55.7	-44.5	-72.0			95	084	21.0	21.4	202.65	5.90	1985	1974
<i>30</i>	73	24096	73	-51.6	-38.5	-70.0			52	087	22.7	23.2	215.61	5.74	1989	1974
<i>25</i>	57	25271	57	-49.2	-39.7	-68.0			36	093	23.4	23.7	276.97	6.28	1985	1974
<i>20</i>	45	26799	45	-45.6	-35.1	-55.5			29	087	23.1	23.6	216.74	4.34	1985	1987
<i>15</i>	35	28725	35	-42.7	-33.1	-53.1			19	086	21.5	22.7	205.26	1.90	1989	1987
<i>10</i>	31	31477	31	-38.7	-27.1	-49.9			17	086	22.0	22.5	204.74	1.68	1987	1987
<i>7</i>	14	33878	14	-36.5	-27.3	-47.1			7	092	18.4	18.9			1989	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

534 555 500

360 105 1640 -80.4

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	948	599	23.3	26.6	19.0	599	20.8	599	271	2.6	3.8	1.34	0.45	1987	1972
<i>1000</i>	575	75											12.75			
<i>950</i>	243	523	113	23.7	26.4	20.6	113	21.2	112	216	1.4	3.5	28.58	0.54	1987	1984
<i>900</i>	558	994	558	21.6	27.2	16.0	554	17.7	546	289	4.1	6.6	13.63	0.70	1986	1988
<i>850</i>	558	1488	557	19.0	26.8	13.2	553	14.6	548	306	3.9	6.8	13.67	0.67	1989	1988
<i>800</i>	558	2007	557	16.0	26.2	10.2	552	11.4	544	310	3.3	6.2	14.58	0.66	1989	1988
<i>750</i>	558	2544	557	12.8	21.0	7.0	545	7.7	543	314	2.8	5.8	18.70	0.76	1986	1987
<i>700</i>	558	3128	558	9.4	17.0	3.2	542	3.8	543	322	2.2	5.4	16.41	0.92	1986	1987
<i>650</i>	556	3734	555	6.0	15.0	-2.5	535	-0.3	535	323	1.7	5.3	16.64	0.91	1986	1986
<i>600</i>	549	4392	548	2.7	12.2	-3.3	506	-3.9	525	335	1.0	5.1	18.25	0.91	1986	1984
<i>550</i>	540	5093	540	-0.9	6.8	-9.5	473	-8.0	512	017	0.5	5.1	25.30	0.90	1986	1986
<i>500</i>	538	5847	537	-5.1	2.4	-11.7	461	-12.5	510	055	1.1	5.2	21.99	1.10	1982	1984
<i>450</i>	534	6667	531	-9.7	-1.5	-16.3	420	-17.2	502	074	1.8	5.1	26.49	1.27	1990	1984
<i>400</i>	534	7570	531	-15.1	-5.3	-22.0	380	-23.1	503	085	2.6	5.2	30.08	1.33	1990	1974
<i>350</i>	529	8568	528	-21.7	-13.7	-29.0	321	-29.8	491	093	4.2	5.9	35.81	1.54	1990	1974
<i>300</i>	519	9689	517	-29.7	-21.1	-37.0	216	-37.0	481	094	6.1	7.3	42.63	1.83	1990	1974
<i>250</i>	510	10963	508	-39.8	-30.1	-48.0	63	-45.8	470	094	8.8	9.7	51.43	1.94	1990	1975
<i>200</i>	497	12450	496	-52.3	-41.1	-63.0	2	-50.0	458	093	12.7	13.6	62.90	2.04	1990	1976
<i>175</i>	462	13302	460	-59.4	-48.7	-68.3	1	-55.1	427	093	15.5	16.4	69.97	1.93	1990	1985
<i>150</i>	438	14249	437	-67.3	-57.1	-76.1	1	-67.3	409	092	18.8	19.6	80.81	2.07	1990	1985
<i>125</i>	381	15323	381	-74.8	-64.1	-85.1			357	093	21.0	21.8	90.66	2.23	1987	1989
<i>100</i>	351	16607	351	-79.2	-67.5	-89.1			332	094	20.2	20.7	94.13	2.40	1985	1989
<i>80</i>	296	17901	296	-73.3	-60.0	-89.0			270	087	15.3	15.8	99.01	2.68	1971	1975
<i>70</i>	269	18702	268	-69.0	-56.1	-79.0			246	085	14.2	14.7	108.81	2.47	1982	1976
<i>60</i>	233	19631	233	-64.8	-54.1	-74.1			210	084	14.8	15.2	127.96	2.42	1985	1981
<i>50</i>	202	20757	202	-60.3	-49.5	-70.1			178	087	15.6	16.1	147.94	3.39	1987	1986
<i>40</i>	106	22142	106	-57.2	-47.1	-66.5			92	087	16.5	16.9	169.45	2.66	1985	1986
<i>30</i>	60	24008	60	-51.6	-38.5	-59.5			46	089	18.6	19.3	169.29	3.46	1982	1981
<i>25</i>	34	25211	34	-49.2	-41.5	-56.9			24	089	19.3	19.6	212.15	3.35	1989	1981
<i>20</i>	26	26759	26	-46.3	-39.3	-50.5			20	092	19.7	20.2	86.47	1.72	1987	1988
<i>15</i>	22	28734	22	-43.5	-38.3	-49.1			15	092	19.6	20.2	110.87	1.88	1987	1990
<i>10</i>	18	31507	18	-39.3	-35.1	-42.5			12	095	16.4	17.6			1987	1989
<i>7</i>	10	34032	10	-36.7	-33.5	-40.5			7	095	17.1	17.3			1987	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
549	562	492	1	123	1569	-74.3	336	104	1640	-81.1

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	951	620	21.5	25.2	14.0	620	18.8	620	085	0.7	2.7	1.75	0.49	1988	1974
<i>1000</i>	587	102											17.16			
<i>950</i>	443	544	394	21.2	25.2	15.0	394	18.0	384	097	1.9	3.4	23.22	0.68	1988	1974
<i>900</i>	574	1015	574	20.8	28.2	14.0	572	14.0	563	067	2.2	5.1	16.11	0.79	1980	1972
<i>850</i>	574	1507	574	18.2	26.4	11.2	566	10.2	562	050	3.2	6.0	16.66	0.83	1989	1985
<i>800</i>	572	2024	572	14.9	22.8	7.8	556	6.5	558	041	3.6	6.3	17.18	0.73	1984	1983
<i>750</i>	572	2561	572	11.6	19.6	3.0	533	2.9	557	033	3.4	6.2	21.12	0.65	1990	1983
<i>700</i>	572	3140	571	8.4	19.4	-3.0	489	-0.3	556	034	2.7	5.8	17.21	0.72	1990	1976
<i>650</i>	568	3745	567	5.4	14.6	-5.9	430	-3.2	550	037	2.0	5.4	15.04	0.82	1990	1984
<i>600</i>	565	4398	565	2.2	10.6	-5.7	382	-6.8	546	054	1.4	5.2	19.33	0.83	1990	1989
<i>550</i>	563	5101	563	-1.4	8.4	-9.1	343	-10.5	543	063	1.3	5.3	25.41	0.95	1990	1979
<i>500</i>	560	5850	560	-5.5	2.8	-12.9	297	-14.6	541	072	1.2	5.3	22.40	1.04	1990	1979
<i>450</i>	549	6672	549	-10.3	-1.5	-16.7	255	-19.2	528	070	0.9	5.5	23.12	1.17	1983	1979
<i>400</i>	551	7571	550	-15.8	-8.3	-23.0	210	-24.7	528	101	0.4	5.5	27.31	1.28	1990	1977
<i>350</i>	545	8566	543	-22.5	-13.3	-30.1	166	-31.0	523	174	0.7	6.0	29.71	1.38	1989	1990
<i>300</i>	538	9683	536	-30.5	-21.7	-39.9	99	-38.5	516	194	1.7	6.7	37.04	1.58	1990	1990
<i>250</i>	522	10953	520	-40.4	-29.1	-49.9	20	-44.7	502	188	3.0	7.9	44.61	1.76	1990	1990
<i>200</i>	508	12437	507	-52.6	-35.9	-62.3	1	-44.1	487	174	4.7	10.0	56.07	1.92	1990	1990
<i>175</i>	469	13287	467	-59.7	-47.7	-71.9			451	160	5.2	10.5	60.10	1.89	1990	1990
<i>150</i>	447	14236	446	-67.3	-57.7	-77.1			430	146	5.9	10.9	69.76	1.80	1988	1990
<i>125</i>	406	15315	406	-74.4	-61.7	-84.3			394	130	6.5	10.6	78.37	2.07	1985	1985
<i>100</i>	384	16598	384	-78.7	-65.0	-88.0			370	105	7.1	9.3	87.53	2.64	1974	1978
<i>80</i>	340	17884	340	-73.5	-59.3	-86.0			326	092	6.9	8.2	103.70	3.13	1984	1972
<i>70</i>	319	18687	319	-69.2	-50.1	-82.0			303	088	7.0	8.1	121.04	3.18	1985	1971
<i>60</i>	266	19606	266	-64.8	-49.5	-77.5			254	084	8.1	9.1	135.78	3.46	1985	1987
<i>50</i>	238	20733	238	-59.8	-49.1	-72.5			224	086	10.0	10.8	131.73	3.06	1985	1987
<i>40</i>	155	22151	155	-55.5	-43.3	-67.7			143	084	11.8	12.4	186.78	3.34	1989	1987
<i>30</i>	110	24017	110	-50.9	-35.1	-61.7			102	088	12.8	13.5	188.67	3.06	1985	1987
<i>25</i>	77	25191	77	-48.9	-35.9	-58.0			70	088	14.0	14.6	129.05	2.76	1985	1978
<i>20</i>	58	26690	58	-46.7	-38.9	-55.0			50	089	13.1	13.7	175.40	2.54	1988	1978
<i>15</i>	42	28641	42	-44.5	-36.9	-52.0			34	093	14.0	14.4	232.66	2.56	1989	1978
<i>10</i>	33	31364	33	-40.2	-34.1	-47.1			23	091	11.8	13.3	288.71	3.51	1990	1986
<i>7</i>	16	33763	16	-37.6	-30.7	-42.5			10	091	12.2	14.2			1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
567	568	484					374	103	1645	-80.8

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	953	600	18.4	25.0	11.0	600	15.3	600	087	2.0	2.8	1.86	1.70	1976	1974
<i>1000</i>	582	128											17.27			
<i>950</i>	537	561	519	18.4	27.6	11.0	513	14.8	500	094	3.1	4.1	19.64	1.58	1987	1974
<i>900</i>	559	1032	558	18.6	27.6	9.2	547	10.8	553	078	4.3	5.7	15.91	1.55	1990	1983
<i>850</i>	559	1520	559	16.2	28.0	8.0	534	6.6	553	068	4.5	6.2	16.03	1.32	1974	1974
<i>800</i>	558	2034	558	13.7	22.4	6.0	463	3.5	553	060	3.9	6.1	16.98	1.02	1990	1975
<i>750</i>	557	2572	556	11.5	24.0	4.8	362	0.5	552	057	3.2	5.8	21.91	0.82	1979	1980
<i>700</i>	557	3148	555	8.9	19.6	2.8	291	-2.1	552	058	2.6	5.5	18.80	0.66	1979	1981
<i>650</i>	556	3756	555	5.8	15.0	-4.5	254	-4.7	546	057	2.2	5.7	18.88	0.77	1979	1982
<i>600</i>	555	4408	554	2.4	12.4	-4.1	214	-8.1	545	048	1.8	5.8	21.21	0.89	1990	1987
<i>550</i>	553	5109	552	-1.3	50.0	-10.7	171	-12.0	543	027	1.6	6.1	30.53	1.17	1974	1983
<i>500</i>	550	5859	549	-5.8	6.6	-13.7	145	-16.1	541	349	1.4	6.5	25.67	1.07	1990	1979
<i>450</i>	542	6677	541	-10.8	1.4	-18.5	121	-20.8	532	309	1.8	6.9	30.15	1.23	1990	1979
<i>400</i>	537	7575	536	-16.6	-6.1	-23.7	94	-26.4	527	290	3.2	7.7	33.07	1.43	1989	1979
<i>350</i>	529	8568	529	-23.3	-11.0	-30.5	64	-32.6	519	268	5.0	8.7	37.18	1.63	1974	1982
<i>300</i>	524	9679	524	-31.4	-19.9	-39.0	34	-39.2	514	254	7.6	10.4	45.42	1.86	1989	1971
<i>250</i>	515	10946	514	-41.3	-29.3	-50.0	10	-47.3	502	240	9.6	12.1	55.54	2.34	1989	1971
<i>200</i>	492	12429	491	-53.1	-37.9	-62.1			480	226	11.6	14.4	69.45	2.62	1988	1979
<i>175</i>	456	13274	455	-60.1	-49.3	-71.3			440	224	11.2	14.6	78.62	2.63	1990	1979
<i>150</i>	431	14216	431	-67.5	-54.1	-79.5			415	227	9.8	13.1	89.47	2.48	1989	1979
<i>125</i>	381	15291	381	-74.0	-60.1	-88.1			369	234	5.9	9.5	103.27	2.63	1989	1987
<i>100</i>	352	16577	352	-78.8	-65.7	-88.0			343	196	1.1	7.6	119.39	2.27	1989	1978
<i>80</i>	305	17858	305	-74.9	-63.0	-87.9			292	089	2.7	6.4	129.99	2.47	1978	1979
<i>70</i>	285	18656	285	-70.8	-58.9	-83.7			273	086	2.4	5.5	134.37	2.48	1990	1979
<i>60</i>	261	19568	261	-66.3	-54.9	-77.7			249	085	2.6	5.9	142.38	2.44	1985	1979
<i>50</i>	240	20693	240	-60.4	-48.3	-74.3			229	077	3.7	6.5	156.93	2.57	1985	1979
<i>40</i>	143	22141	143	-55.5	-44.3	-64.9			135	085	5.7	8.2	134.77	2.14	1990	1987
<i>30</i>	90	24017	90	-50.2	-39.7	-68.0			82	089	6.4	9.1	196.93	4.15	1990	1973
<i>25</i>	69	25208	69	-47.9	-40.5	-68.0			61	091	7.1	10.0	143.91	4.21	1980	1973
<i>20</i>	50	26699	50	-44.8	-38.5	-52.9			42	085	7.8	10.0	102.23	2.81	1981	1989
<i>15</i>	29	28607	29	-43.0	-35.9	-49.3			21	104	6.3	10.4	112.77	2.10	1990	1989
<i>10</i>	16	31347	16	-39.5	-33.1	-44.1			10	156	1.2	4.8			1987	1988
<i>7</i>	10	33729	10	-36.5	-33.1	-40.1			7	115	2.2	9.7			1987	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

555 568 484

332 100 1661 -80.5

NORMALS OF RADIOSONDE DATA

43128 HYDERABAD

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	955	620	16.3	22.6	10.0	620	12.8	620	108	2.3	2.8	1.60	1.43	1986	1975
<i>1000</i>	584	147											13.31			
<i>950</i>	565	573	564	16.5	22.2	10.0	559	12.3	546	112	3.4	4.0	20.58	1.41	1986	1974
<i>900</i>	567	1044	566	17.0	28.0	7.0	555	8.7	548	100	4.1	5.0	15.49	1.28	1990	1974
<i>850</i>	567	1530	567	15.1	27.0	7.0	527	3.9	548	080	3.1	5.0	16.34	1.12	1990	1978
<i>800</i>	574	2041	574	12.8	26.4	3.0	441	0.4	556	061	2.1	4.8	17.55	1.08	1990	1975
<i>750</i>	571	2576	570	10.6	26.2	1.2	319	-2.5	555	047	1.4	4.8	19.39	1.17	1990	1981
<i>700</i>	571	3152	569	8.2	22.8	0.0	227	-5.3	555	360	0.7	5.0	19.21	1.15	1990	1978
<i>650</i>	569	3757	566	5.1	16.6	-5.1	175	-8.6	553	307	1.3	5.7	17.77	1.09	1990	1983
<i>600</i>	564	4409	561	1.6	10.8	-5.3	119	-11.0	546	289	2.4	6.6	22.16	1.10	1990	1988
<i>550</i>	561	5108	561	-2.3	6.4	-9.5	96	-14.5	545	281	3.6	7.4	29.18	1.07	1990	1988
<i>500</i>	556	5854	556	-7.1	1.0	-22.0	80	-18.3	540	274	5.0	8.5	25.86	1.13	1990	1976
<i>450</i>	553	6668	553	-12.3	-4.3	-22.7	73	-22.9	535	272	7.0	10.1	31.11	1.19	1987	1983
<i>400</i>	546	7560	546	-18.2	-9.3	-29.0	65	-28.1	531	267	9.4	12.2	33.24	1.28	1987	1974
<i>350</i>	540	8548	540	-24.8	-15.7	-33.0	53	-34.1	525	265	12.5	15.1	38.20	1.37	1987	1977
<i>300</i>	536	9653	535	-32.8	-22.1	-40.1	31	-41.9	523	261	15.3	18.0	43.18	1.57	1989	1983
<i>250</i>	524	10912	523	-42.5	-31.0	-50.1	3	-46.8	509	252	17.8	20.8	50.13	1.82	1977	1983
<i>200</i>	501	12387	501	-54.0	-41.1	-72.0			488	246	20.0	23.2	61.86	2.16	1989	1971
<i>175</i>	458	13235	458	-60.3	-46.7	-69.0			447	247	19.6	22.1	71.72	2.36	1989	1972
<i>150</i>	433	14182	431	-67.0	-52.1	-77.5			424	249	17.9	20.1	82.08	2.31	1989	1981
<i>125</i>	394	15271	393	-72.8	-59.0	-84.1			384	255	13.7	15.8	90.81	2.47	1977	1981
<i>100</i>	366	16559	366	-78.0	-67.0	-89.0			354	259	8.1	11.4	107.23	2.45	1974	1978
<i>80</i>	308	17842	308	-75.3	-53.1	-87.7			290	269	2.4	7.6	121.18	2.38	1983	1981
<i>70</i>	278	18639	278	-71.6	-60.1	-85.1			260	272	0.8	6.3	127.61	2.56	1989	1981
<i>60</i>	242	19553	242	-66.9	-54.1	-79.1			224	151	0.1	5.8	138.84	3.00	1989	1981
<i>50</i>	211	20679	211	-61.4	-47.7	-77.0			194	131	0.2	6.2	157.09	3.81	1989	1971
<i>40</i>	134	22080	134	-57.3	-43.7	-72.0			123	064	0.4	6.6	177.49	2.70	1989	1977
<i>30</i>	90	23901	90	-52.5	-42.1	-61.5			82	029	1.0	9.2	201.17	3.32	1980	1987
<i>25</i>	65	25094	65	-49.8	-38.1	-59.7			61	046	1.0	8.7	246.96	3.16	1980	1987
<i>20</i>	54	26558	54	-47.1	-36.1	-57.3			51	118	1.3	8.3	270.67	3.55	1980	1987
<i>15</i>	36	28459	36	-44.5	-36.5	-54.5			36	182	0.7	9.2	139.19	2.05	1986	1987
<i>10</i>	23	31153	23	-41.0	-33.1	-50.1			23	261	5.3	11.0	101.38	1.90	1986	1987
<i>7</i>	14	33645	14	-38.8	-30.1	-49.1			14	248	8.1	13.4			1988	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

565 579 469

326 097 1677 -79.5

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

JANUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	331	952	331	12.7	27.0	4.4	331	10.5	331	034	0.0	0.2	1.00	1.37	1980	1986
<i>1000</i>	308	144											8.64			
<i>950</i>	299	567	260	13.1	21.6	5.0	260	10.6	259	041	0.5	2.1	15.11	1.29	1983	1986
<i>900</i>	306	1032	306	17.4	26.0	10.2	301	8.4	306	027	0.7	3.6	8.10	1.18	1988	1981
<i>850</i>	306	1518	306	15.0	22.0	7.4	286	4.5	305	345	1.4	4.0	9.16	1.12	1987	1988
<i>800</i>	306	2027	306	12.4	20.2	4.8	230	1.3	305	340	2.5	4.8	10.46	1.35	1988	1988
<i>750</i>	306	2567	306	10.1	17.0	4.0	175	-2.6	305	328	4.0	6.3	14.55	1.57	1987	1980
<i>700</i>	306	3135	306	7.7	14.4	-5.9	122	-6.9	305	317	4.8	7.2	15.56	1.75	1988	1980
<i>650</i>	305	3744	305	5.0	13.0	-3.9	78	-10.5	305	302	6.1	8.3	19.72	1.64	1988	1980
<i>600</i>	304	4390	304	1.8	9.2	-7.5	52	-13.9	302	291	7.9	9.8	21.18	1.26	1989	1989
<i>550</i>	302	5103	302	-2.2	6.2	-9.9	44	-17.1	300	286	9.8	11.7	21.60	1.22	1989	1985
<i>500</i>	300	5836	300	-6.7	1.2	-14.5	36	-20.2	297	287	12.2	13.9	26.26	1.39	1988	1985
<i>450</i>	297	6656	297	-11.7	-4.1	-19.3	29	-24.0	294	286	14.1	15.9	33.92	1.44	1989	1983
<i>400</i>	295	7545	294	-17.4	-10.3	-29.7	23	-30.0	290	285	16.7	18.5	34.50	1.40	1986	1986
<i>350</i>	290	8540	290	-23.5	-14.7	-33.7	17	-34.2	280	282	19.7	21.5	34.47	1.12	1987	1983
<i>300</i>	285	9646	285	-31.0	-22.7	-41.1	12	-42.7	271	278	22.1	23.9	41.79	1.23	1987	1986
<i>250</i>	276	10917	275	-40.4	-31.3	-49.7			262	273	22.8	25.1	47.06	1.56	1987	1986
<i>200</i>	247	12402	246	-51.6	-42.3	-59.5			227	269	23.5	25.6	52.34	1.70	1987	1985
<i>175</i>	231	13257	230	-58.1	-48.5	-66.9			213	269	22.5	24.5	56.13	2.00	1990	1984
<i>150</i>	197	14218	197	-64.3	-54.1	-74.5			175	271	20.8	23.1	65.94	2.19	1983	1984
<i>125</i>	161	15315	160	-70.2	-61.5	-79.1			140	273	17.6	20.0	83.58	2.08	1983	1984
<i>100</i>	134	16630	133	-75.1	-65.7	-85.9			115	276	11.8	14.3	86.66	3.00	1990	1981
<i>80</i>	118	17932	118	-74.9	-65.3	-82.9			104	276	7.3	11.1	103.36	2.12	1987	1981
<i>70</i>	111	18739	111	-71.7	-61.7	-81.1			95	278	4.8	9.8	107.67	2.59	1987	1980
<i>60</i>	109	19639	109	-66.3	-55.9	-75.7			91	277	5.1	9.4	133.28	3.76	1989	1980
<i>50</i>	103	20761	103	-60.6	-48.5	-72.7			88	283	4.0	8.1	81.81	2.57	1989	1985
<i>40</i>	92	22175	92	-55.5	-42.9	-65.1			72	033	1.8	8.3	88.92	3.09	1989	1982
<i>30</i>	88	24023	88	-51.1	-36.9	-62.1			66	051	2.5	8.2	106.19	3.62	1989	1985
<i>25</i>	72	25192	72	-49.8	-37.1	-62.7			52	065	1.9	7.4	131.75	3.39	1990	1985
<i>20</i>	55	26632	55	-48.1	-33.1	-57.5			42	050	1.2	7.5	139.17	2.02	1990	1985
<i>15</i>	37	28509	37	-45.9	-38.9	-55.1			26	314	0.7	7.2	144.61	1.62	1983	1985
<i>10</i>	11	31114	11	-45.1	-40.7	-51.1			6	263	5.0	10.5			1989	1985
<i>7</i>	2	33259	2	-45.4	-41.9	-48.9			1	245	7.0	7.0			1985	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

306 582 463

118 090 1726 -77.4

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

FEBRUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	311	950	311	15.3	21.8	7.0	311	11.2	311	196	0.0	0.2	1.35	1.39	1988	1988
<i>1000</i>	293	123											13.04			
<i>950</i>	278	554	154	15.3	21.6	6.2	154	10.7	151	065	0.2	1.6	21.42	1.61	1988	1980
<i>900</i>	293	1018	293	19.8	26.2	12.6	284	8.6	291	245	0.8	4.0	13.26	0.90	1986	1984
<i>850</i>	293	1507	293	17.3	24.8	11.0	272	5.4	291	285	1.4	4.3	13.67	0.59	1986	1986
<i>800</i>	293	2022	293	13.8	20.0	7.2	260	2.5	291	302	2.9	5.1	14.04	0.54	1986	1986
<i>750</i>	293	2561	293	10.3	17.0	3.2	235	-0.9	291	311	4.4	6.3	18.46	0.88	1986	1980
<i>700</i>	293	3131	293	7.2	17.0	-0.3	188	-5.2	291	308	5.9	7.8	14.72	1.19	1985	1986
<i>650</i>	292	3735	292	4.3	12.2	-3.9	131	-9.6	289	302	7.2	8.8	13.97	1.16	1989	1986
<i>600</i>	291	4383	291	1.2	8.6	-7.5	76	-13.6	285	295	9.1	10.6	14.08	1.21	1985	1986
<i>550</i>	290	5093	290	-2.7	4.2	-11.7	47	-17.3	285	290	10.8	12.4	14.57	1.20	1985	1986
<i>500</i>	289	5827	289	-7.2	0.0	-17.3	35	-21.2	285	286	12.6	14.2	15.17	1.23	1985	1986
<i>450</i>	287	6644	287	-12.2	-5.1	-19.3	29	-24.3	279	288	14.8	16.8	21.14	1.38	1985	1986
<i>400</i>	285	7532	285	-17.9	-8.9	-25.5	27	-29.7	278	286	17.4	19.7	19.98	1.44	1989	1980
<i>350</i>	281	8525	281	-24.4	-15.3	-34.1	13	-34.3	272	284	20.5	22.7	23.76	1.46	1989	1981
<i>300</i>	279	9626	278	-31.9	-23.5	-40.9	8	-42.2	266	280	23.5	25.7	28.03	1.24	1989	1980
<i>250</i>	270	10889	269	-41.3	-29.9	-53.1	2	-46.8	256	277	25.1	27.4	35.07	1.59	1989	1985
<i>200</i>	254	12369	253	-52.3	-41.1	-61.9			235	275	24.2	26.9	46.51	2.08	1989	1983
<i>175</i>	232	13220	232	-58.4	-43.9	-68.1			203	275	22.9	26.0	56.38	2.69	1983	1983
<i>150</i>	191	14180	191	-64.4	-51.9	-75.7			163	275	20.5	22.9	65.01	2.95	1987	1981
<i>125</i>	158	15286	158	-70.8	-59.1	-79.9			134	278	18.0	20.5	76.66	2.84	1987	1989
<i>100</i>	129	16589	129	-75.6	-62.7	-84.9			111	278	13.9	16.6	89.16	2.64	1990	1983
<i>80</i>	114	17880	114	-74.6	-62.3	-83.9			95	281	7.6	11.5	94.25	2.03	1989	1984
<i>70</i>	102	18682	102	-71.2	-57.9	-82.5			85	276	6.0	9.8	97.83	2.45	1989	1984
<i>60</i>	95	19578	95	-66.1	-52.9	-77.9			78	275	5.4	9.9	101.28	2.45	1990	1982
<i>50</i>	87	20701	87	-59.9	-49.1	-71.3			73	309	2.9	8.4	113.89	1.94	1990	1984
<i>40</i>	82	22110	82	-54.9	-43.5	-65.5			65	091	0.7	7.8	135.50	2.60	1988	1982
<i>30</i>	65	23948	65	-50.7	-40.9	-57.7			53	093	3.5	8.6	128.73	2.29	1989	1984
<i>25</i>	53	25137	53	-48.0	-39.1	-55.7			44	079	3.0	8.0	145.22	2.17	1986	1989
<i>20</i>	33	26636	33	-46.3	-36.7	-53.7			25	126	4.0	9.1	154.42	3.34	1985	1989
<i>15</i>	20	28529	20	-45.1	-34.7	-51.5			15	126	2.1	8.2			1989	1989
<i>10</i>	8	31166	8	-44.3	-37.1	-48.7			7	293	2.4	9.7			1986	1984
<i>7</i>	2	33614	2	-44.0	-42.9	-45.1			2	288	13.9	14.0			1990	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

291 586 457

117 095 1586 -77.2

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

MARCH 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	341	949	341	19.2	26.4	10.0	341	13.9	340	226	0.1	0.4	0.85	0.80	1983	1984
<i>1000</i>	329	105											6.76			
<i>950</i>	301	538	95	18.2	23.2	10.8	94	13.2	93	295	0.1	1.3	14.48	1.38	1982	1984
<i>900</i>	329	1011	329	22.7	28.6	12.2	315	9.1	327	241	2.0	4.5	6.02	1.08	1988	1987
<i>850</i>	329	1506	329	20.3	27.0	12.6	300	5.1	327	288	1.8	4.7	5.36	1.34	1985	1986
<i>800</i>	329	2026	329	16.7	22.8	9.0	295	1.6	327	309	2.8	4.9	5.69	1.20	1986	1987
<i>750</i>	329	2562	329	12.5	19.2	4.4	288	-1.1	327	316	4.0	6.5	10.71	1.16	1985	1987
<i>700</i>	329	3143	329	7.9	17.0	-0.1	278	-4.4	327	315	5.5	7.4	6.82	1.19	1985	1987
<i>650</i>	328	3741	328	3.8	12.0	-8.1	236	-8.1	321	312	6.6	8.5	12.32	1.26	1985	1986
<i>600</i>	327	4393	327	0.6	8.2	-6.9	156	-12.2	318	304	7.2	9.1	10.62	1.42	1988	1987
<i>550</i>	327	5100	327	-2.9	6.0	-13.3	97	-16.1	314	295	8.6	10.3	16.69	1.47	1988	1981
<i>500</i>	324	5835	323	-7.3	0.8	-15.7	58	-20.4	311	291	9.7	11.6	15.75	1.49	1988	1981
<i>450</i>	323	6654	323	-12.2	-5.1	-24.1	40	-25.0	307	289	11.6	13.5	29.18	1.49	1988	1981
<i>400</i>	316	7541	316	-17.9	-8.9	-28.3	33	-29.7	302	289	14.1	16.2	23.33	1.70	1987	1981
<i>350</i>	312	8533	312	-24.0	-12.9	-35.3	24	-34.3	291	286	17.0	19.5	30.27	1.65	1988	1981
<i>300</i>	304	9639	304	-31.2	-19.1	-45.1	20	-40.5	283	282	19.9	22.8	35.41	1.30	1988	1981
<i>250</i>	291	10908	291	-40.1	-30.1	-52.9	4	-46.0	268	276	22.4	25.2	41.02	1.28	1987	1981
<i>200</i>	272	12394	272	-50.8	-39.7	-62.5			245	276	22.6	25.0	48.66	1.73	1989	1981
<i>175</i>	238	13248	238	-57.1	-43.7	-69.1			216	276	21.9	24.5	47.46	1.68	1989	1980
<i>150</i>	208	14210	208	-63.0	-49.3	-76.1			183	276	20.5	22.8	53.86	2.01	1989	1983
<i>125</i>	166	15317	166	-69.0	-56.1	-80.1			148	277	16.0	18.5	83.82	2.45	1989	1986
<i>100</i>	126	16627	126	-73.9	-65.5	-83.9			112	278	11.3	13.6	89.10	2.35	1989	1983
<i>80</i>	113	17921	113	-74.2	-61.5	-84.9			104	280	6.0	10.5	102.78	3.05	1989	1983
<i>70</i>	107	18724	107	-71.2	-55.1	-80.9			99	289	4.3	8.9	110.93	4.14	1990	1980
<i>60</i>	101	19629	101	-66.4	-48.5	-76.9			95	297	4.4	8.2	111.82	3.53	1989	1984
<i>50</i>	96	20751	96	-59.7	-45.1	-71.7			86	285	2.9	7.5	115.69	3.29	1989	1984
<i>40</i>	81	22185	81	-53.8	-40.9	-65.1			73	334	1.7	8.2	144.34	3.09	1989	1983
<i>30</i>	74	24053	74	-48.5	-39.1	-58.9			67	087	2.8	8.5	161.01	3.66	1983	1980
<i>25</i>	65	25234	65	-46.2	-35.3	-56.1			59	113	1.7	8.2	158.13	3.74	1983	1980
<i>20</i>	51	26771	51	-43.3	-36.3	-52.3			45	052	0.8	8.0	176.56	3.59	1983	1980
<i>15</i>	23	28716	23	-40.4	-32.7	-50.9			17	136	2.8	9.3	216.61	4.11	1989	1983
<i>10</i>	6	31359	6	-43.0	-33.5	-50.1			4	291	6.2	9.3			1990	1983
<i>7</i>	1	33570	1	-41.7	-41.7	-41.7									1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

327	593	448		1	165	1340	-72.7		113	090	1719	-76.2
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NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

APRIL 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	328	946	328	23.0	30.8	16.0	328	16.7	328	214	0.3	0.5	0.67	0.47	1981	1989
<i>1000</i>	293	75											7.22			
<i>950</i>	291	511	7	23.2	25.8	21.0	7	14.5	5	310	1.7	1.8	21.34		1988	1985
<i>900</i>	292	993	292	25.5	34.6	19.2	283	11.3	288	247	4.6	5.9	8.85	0.57	1988	1982
<i>850</i>	292	1492	292	23.4	32.0	13.4	276	6.8	288	274	3.8	5.5	9.62	0.74	1988	1988
<i>800</i>	292	2017	292	20.1	28.2	12.8	270	3.2	288	298	3.2	5.0	9.84	0.83	1988	1982
<i>750</i>	292	2561	292	15.8	24.4	9.0	269	0.1	287	321	3.5	5.1	13.49	0.89	1988	1981
<i>700</i>	292	3148	291	10.8	20.0	4.0	268	-2.5	288	327	4.0	5.9	12.04	0.93	1988	1986
<i>650</i>	290	3751	290	5.7	15.4	-0.9	255	-5.2	286	327	4.6	6.7	13.51	0.90	1988	1985
<i>600</i>	289	4408	289	1.5	11.0	-4.3	218	-9.6	284	320	4.8	7.4	14.36	1.08	1990	1982
<i>550</i>	288	5117	288	-2.2	8.6	-7.5	161	-14.5	283	307	5.9	7.9	16.83	1.16	1990	1983
<i>500</i>	285	5855	285	-6.0	2.6	-12.1	99	-18.5	279	300	7.1	8.9	16.79	0.99	1990	1982
<i>450</i>	284	6681	284	-10.5	-1.9	-19.5	67	-22.9	278	295	9.0	10.8	20.43	0.96	1987	1983
<i>400</i>	280	7570	280	-16.3	-6.9	-25.3	59	-27.6	273	288	11.0	12.9	23.10	0.98	1990	1986
<i>350</i>	275	8571	275	-22.9	-12.1	-31.9	45	-33.6	269	285	13.7	15.8	24.03	1.16	1990	1982
<i>300</i>	271	9678	271	-30.4	-20.1	-40.3	35	-40.7	264	279	15.9	18.3	29.13	1.68	1990	1982
<i>250</i>	262	10951	262	-39.4	-29.9	-51.3	7	-46.3	253	273	18.0	20.8	37.01	2.19	1990	1982
<i>200</i>	247	12441	247	-50.3	-41.1	-60.3			235	267	18.5	20.9	49.27	2.33	1990	1982
<i>175</i>	218	13302	218	-56.3	-47.1	-64.3			205	266	17.2	19.4	55.68	2.35	1990	1986
<i>150</i>	189	14267	189	-62.6	-51.1	-71.1			173	266	14.3	17.0	70.15	2.42	1988	1982
<i>125</i>	158	15380	158	-69.1	-55.7	-78.1			148	266	10.3	13.4	78.39	2.87	1988	1982
<i>100</i>	135	16691	135	-74.8	-61.7	-83.9			123	268	5.0	10.1	97.19	2.72	1990	1986
<i>80</i>	115	17974	115	-73.9	-60.9	-83.9			109	285	2.2	7.7	119.02	3.31	1990	1983
<i>70</i>	107	18790	107	-69.7	-55.9	-78.1			102	320	0.7	7.1	127.83	3.43	1990	1983
<i>60</i>	103	19691	103	-64.4	-48.7	-79.1			98	282	1.0	6.7	139.54	3.43	1990	1985
<i>50</i>	101	20827	101	-57.7	-45.9	-69.7			96	074	1.3	6.1	146.29	2.99	1990	1985
<i>40</i>	95	22249	95	-52.5	-42.1	-63.3			90	085	4.9	7.2	169.22	3.05	1989	1985
<i>30</i>	83	24142	83	-47.1	-35.9	-58.1			77	093	6.4	8.5	177.38	2.25	1989	1985
<i>25</i>	73	25324	73	-44.5	-34.9	-57.1			66	101	7.1	8.6	158.45	2.03	1989	1985
<i>20</i>	53	26815	53	-42.3	-32.1	-53.1			45	101	6.4	9.4	196.82	2.04	1985	1985
<i>15</i>	30	28714	30	-40.6	-31.5	-55.1			25	113	4.5	9.1	203.78	3.01	1989	1985
<i>10</i>	12	31393	12	-38.6	-30.3	-45.5			10	106	5.1	9.8			1989	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
288	580	468					115	092	1715	-76.3

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

MAY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	341	943	341	24.8	30.4	20.4	341	19.9	341	212	0.4	0.8	1.73	0.83	1984	1981
<i>1000</i>	293	45											19.10			
<i>950</i>	293	488	5	24.0	25.4	22.6	5	20.4	5	045	0.2	0.2	28.89		1987	1987
<i>900</i>	293	969	293	26.5	34.8	19.8	287	14.6	291	247	4.7	6.3	17.61	1.43	1980	1987
<i>850</i>	293	1471	293	24.7	31.6	18.2	282	10.1	291	277	4.1	6.3	16.17	1.67	1984	1982
<i>800</i>	293	1999	293	21.5	28.8	13.8	282	6.1	291	313	3.7	6.0	14.48	1.64	1988	1982
<i>750</i>	293	2546	293	17.4	26.8	10.8	281	2.9	291	340	3.4	5.5	16.19	1.51	1989	1981
<i>700</i>	293	3136	293	12.6	21.4	6.4	280	0.1	291	351	3.9	6.2	12.87	1.38	1989	1981
<i>650</i>	291	3745	291	7.5	15.6	1.6	278	-3.0	290	357	4.4	6.5	14.81	1.37	1989	1986
<i>600</i>	288	4404	288	2.5	10.0	-3.5	269	-6.3	284	354	4.4	6.8	14.08	1.30	1990	1984
<i>550</i>	286	5115	286	-1.6	6.2	-8.9	235	-10.2	281	352	4.1	6.6	16.79	1.28	1990	1986
<i>500</i>	286	5854	286	-5.1	2.2	-17.9	178	-15.1	278	336	3.5	6.9	13.39	1.49	1990	1985
<i>450</i>	285	6690	285	-9.0	-1.1	-16.3	135	-19.9	273	322	3.4	7.3	21.94	1.39	1985	1986
<i>400</i>	283	7579	283	-14.0	-4.1	-21.3	89	-23.9	270	307	4.5	8.6	25.53	1.63	1985	1982
<i>350</i>	278	8594	278	-19.8	-10.5	-33.5	63	-29.6	263	286	5.8	9.6	27.81	1.88	1988	1981
<i>300</i>	274	9713	274	-27.3	-16.1	-37.7	45	-36.7	258	275	7.1	10.3	39.56	1.90	1988	1981
<i>250</i>	266	11002	266	-36.8	-24.5	-46.1	24	-43.9	249	261	7.9	11.1	50.13	1.96	1990	1982
<i>200</i>	251	12510	251	-48.5	-38.3	-58.7	1	-46.5	235	247	8.3	11.6	61.19	2.02	1988	1987
<i>175</i>	231	13379	231	-55.2	-45.1	-66.3			215	243	8.2	11.7	64.86	1.93	1988	1982
<i>150</i>	203	14351	203	-62.1	-52.1	-73.7			185	234	5.0	9.6	77.08	2.11	1985	1982
<i>125</i>	173	15458	173	-69.4	-61.1	-79.3			158	181	2.3	9.5	84.88	1.78	1988	1982
<i>100</i>	134	16755	134	-75.1	-66.1	-84.9			126	119	5.0	9.8	90.92	1.50	1990	1982
<i>80</i>	116	18044	116	-73.6	-61.3	-82.9			109	098	7.1	9.6	101.76	2.04	1990	1982
<i>70</i>	111	18858	111	-68.7	-57.3	-78.3			104	097	7.0	9.5	105.39	2.53	1989	1983
<i>60</i>	103	19771	103	-62.9	-53.1	-74.1			97	096	7.5	9.2	109.36	3.03	1989	1981
<i>50</i>	95	20898	94	-57.6	-44.9	-67.1			91	091	7.9	9.4	114.53	2.88	1989	1983
<i>40</i>	89	22323	88	-52.4	-41.1	-61.5			86	101	9.4	10.7	129.55	3.79	1986	1983
<i>30</i>	79	24200	79	-47.2	-37.9	-57.5			72	102	11.2	12.3	146.71	3.04	1985	1983
<i>25</i>	70	25385	70	-44.5	-33.3	-54.3			63	102	11.4	12.4	151.59	3.17	1989	1983
<i>20</i>	44	26822	44	-42.7	-29.7	-51.9			40	104	12.0	13.0	198.10	3.10	1985	1983
<i>15</i>	30	28738	30	-41.6	-35.9	-48.9			25	111	11.9	13.4	284.91	2.25	1989	1983
<i>10</i>	10	31315	10	-42.0	-37.1	-46.3			9	110	11.5	15.0			1988	1983
<i>7</i>	4	33646	4	-40.8	-38.3	-43.3			3	103	16.2	17.3			1984	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

286 570 482

118 093 1720 -77.2

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

JUNE 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	330	941	330	24.3	29.0	18.8	330	21.8	330	226	0.8	1.1	0.90	0.65	1982	1984
1000	262	21											6.69			
950	261	464											26.37			
900	261	943	261	23.6	30.4	17.4	261	18.5	254	266	6.6	7.5	8.93	0.79	1984	1984
850	261	1440	261	21.4	28.6	15.2	258	15.5	254	286	8.3	9.4	9.65	0.80	1986	1980
800	261	1963	261	18.6	25.4	12.6	257	12.7	253	299	7.1	8.6	11.17	0.78	1983	1984
750	261	2516	261	15.4	20.2	9.8	258	9.5	252	316	5.7	7.8	9.91	0.75	1983	1984
700	261	3093	261	11.8	16.8	6.0	257	6.3	251	326	4.6	7.0	14.07	0.73	1988	1985
650	261	3710	261	7.9	13.4	2.2	256	2.8	247	341	3.8	6.9	14.21	0.73	1985	1986
600	260	4365	260	4.1	10.0	-2.1	253	-0.9	246	353	3.5	6.7	17.85	0.94	1987	1984
550	260	5092	260	0.5	7.0	-6.1	251	-4.9	243	358	2.9	6.2	17.00	0.95	1982	1984
500	259	5827	259	-3.1	2.6	-9.1	238	-9.2	236	005	2.0	5.7	22.48	0.83	1985	1982
450	257	6670	255	-6.9	7.4	-13.5	226	-14.3	229	033	1.6	5.6	25.32	0.81	1984	1982
400	255	7567	255	-11.7	-5.5	-20.1	208	-20.1	225	062	1.7	5.2	26.54	0.73	1985	1986
350	253	8586	253	-17.8	-10.7	-27.3	188	-26.8	220	089	2.8	5.8	26.99	0.73	1985	1986
300	250	9717	250	-25.3	-18.9	-37.3	152	-34.4	216	105	4.7	6.5	31.91	0.85	1988	1986
250	247	11016	247	-34.9	-27.9	-43.9	100	-43.9	212	103	6.5	8.0	35.47	0.94	1988	1984
200	241	12536	241	-47.2	-37.9	-55.3			205	100	10.1	11.9	42.07	1.23	1988	1984
175	226	13407	226	-54.6	-44.5	-62.1			191	100	12.6	14.1	47.20	1.52	1988	1980
150	201	14378	201	-62.1	-51.9	-70.5			168	101	15.4	17.2	50.26	1.59	1988	1982
125	163	15480	163	-70.3	-58.7	-78.7			135	102	18.0	19.3	69.25	1.92	1988	1982
100	134	16769	134	-76.0	-66.5	-82.7			113	103	19.5	20.5	78.22	1.99	1988	1983
80	108	18059	108	-73.0	-56.1	-82.5			92	102	17.2	17.7	100.46	3.14	1990	1983
70	102	18873	102	-68.1	-50.3	-81.1			86	098	14.6	15.3	106.16	3.34	1990	1983
60	95	19786	95	-63.1	-51.5	-78.5			82	097	14.4	14.9	102.66	2.64	1986	1983
50	88	20924	88	-57.7	-44.9	-68.5			72	100	13.9	14.4	91.61	2.54	1986	1982
40	77	22353	77	-52.6	-41.3	-62.5			60	103	16.7	17.1	103.38	2.75	1986	1985
30	58	24224	58	-48.7	-36.1	-57.9			43	099	18.0	18.8	140.23	4.09	1986	1984
25	53	25406	53	-46.8	-35.3	-57.1			38	105	19.1	19.6	145.12	3.66	1986	1984
20	39	26861	39	-45.8	-36.5	-53.1			25	106	21.9	22.3	147.64	2.07	1986	1984
15	27	28770	27	-42.6	-31.1	-50.1			19	104	23.7	24.3	283.89	3.78	1988	1984
10	11	31408	11	-40.2	-33.9	-46.9			8	109	24.2	24.8			1988	1984
7	4	33736	4	-40.6	-38.3	-43.9			4	100	27.5	28.2			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

259 543 517

115 096 1701 -77.6

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

JULY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	341	941	341	23.1	29.6	20.0	341	22.1	341	234	0.9	1.2	0.80	0.31	1987	1986
1000	298	28											6.35			
950	298	469											25.10			
900	298	947	298	21.8	27.0	17.8	297	19.8	284	267	6.6	7.6	5.49	0.31	1985	1982
850	298	1441	298	19.5	26.8	13.0	297	17.2	284	286	8.5	9.8	6.50	0.49	1988	1985
800	298	1962	298	16.9	23.6	10.6	297	14.6	277	294	8.1	9.4	8.70	0.65	1988	1985
750	298	2515	298	14.0	20.2	7.8	297	11.6	269	295	7.2	8.7	9.07	0.74	1988	1985
700	298	3088	298	11.0	18.2	4.0	297	8.5	268	296	5.4	7.2	11.60	0.81	1988	1985
650	297	3709	297	8.0	14.8	2.0	295	4.7	261	293	4.0	6.3	13.70	0.90	1988	1985
600	297	4360	297	4.8	12.0	-6.3	296	0.8	257	293	3.1	6.1	16.18	0.89	1990	1985
550	295	5089	295	1.4	11.4	-6.9	293	-3.0	250	294	2.2	5.7	17.01	1.04	1989	1982
500	293	5827	293	-2.3	5.0	-7.7	288	-7.5	246	284	1.1	5.6	20.97	1.04	1990	1985
450	289	6670	289	-6.4	0.0	-11.9	278	-12.7	239	109	0.5	5.3	23.73	1.10	1983	1981
400	284	7571	283	-11.5	-4.7	-18.1	265	-18.7	234	113	2.5	5.8	28.23	1.16	1987	1989
350	280	8592	279	-17.7	-10.9	-25.3	245	-26.1	229	103	5.1	6.8	28.51	1.26	1988	1981
300	275	9723	275	-25.2	-17.5	-33.7	205	-33.8	222	101	8.6	9.3	37.49	1.24	1990	1981
250	269	11022	268	-34.9	-24.5	-43.9	138	-42.9	212	099	12.8	13.5	44.19	1.50	1990	1981
200	254	12538	254	-47.4	-39.1	-56.1			198	094	18.2	19.2	51.71	1.65	1990	1986
175	230	13408	229	-54.5	-46.7	-64.9			173	092	21.5	22.3	60.08	1.62	1989	1986
150	204	14381	204	-62.1	-53.7	-72.7			147	095	24.7	25.6	65.10	1.69	1980	1981
125	157	15473	157	-70.4	-58.3	-79.3			115	096	28.2	28.9	72.54	1.69	1990	1984
100	124	16763	124	-75.8	-64.3	-86.3			93	099	28.9	29.6	85.24	2.24	1990	1981
80	103	18069	103	-69.9	-56.3	-83.1			75	100	23.0	23.5	127.26	3.47	1990	1982
70	95	18890	95	-65.5	-53.1	-79.7			69	098	21.5	22.1	154.42	3.16	1990	1982
60	86	19805	86	-61.4	-53.5	-72.1			63	098	20.6	21.1	145.65	3.37	1988	1982
50	75	20938	75	-57.2	-48.7	-69.7			54	097	19.5	20.3	167.19	4.52	1990	1983
40	70	22352	70	-53.5	-42.9	-63.1			51	102	22.6	23.0	191.76	2.97	1987	1984
30	54	24228	54	-48.9	-38.1	-60.5			36	102	21.9	22.3	180.95	2.65	1980	1984
25	37	25406	37	-46.7	-37.5	-54.9			23	105	23.0	23.2	197.48	3.01	1980	1981
20	24	26815	24	-46.0	-34.1	-52.3			15	103	24.3	24.7	200.14	3.51	1989	1984
15	14	28748	14	-43.3	-35.5	-48.7			8	105	25.1	25.5			1985	1982
10	4	31373	4	-41.5	-38.5	-45.5			2	106	37.4	38.5			1984	1987
7	1	34008	1	-44.7	-44.7	-44.7			1	106	39.0	39.0			1987	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
294	532	535					116	099	1672	-77.2

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

AUGUST 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	357	941	357	22.9	25.0	20.0	357	22.0	357	240	0.8	1.0	1.04	0.26	1987	1985
1000	303	31											9.76			
950	303	473											30.43			
900	303	950	303	21.6	29.2	13.8	303	19.8	292	277	6.0	7.3	8.76	0.43	1987	1987
850	303	1444	303	19.2	26.6	12.0	303	17.2	292	294	7.6	9.1	11.88	0.61	1990	1981
800	303	1964	303	16.6	25.4	6.6	303	14.4	289	301	7.0	8.9	10.70	0.82	1990	1986
750	303	2515	303	13.8	20.0	8.4	302	11.5	284	302	6.9	8.5	17.71	0.91	1983	1979
700	303	3090	303	11.0	17.2	6.0	302	8.0	283	302	5.1	7.0	12.71	1.01	1983	1979
650	302	3711	302	8.1	14.4	2.4	298	4.4	279	300	3.9	6.5	13.19	0.99	1983	1985
600	301	4362	299	5.0	10.4	0.0	293	0.6	276	301	2.3	6.2	15.59	0.87	1988	1981
550	299	5090	298	1.5	8.2	-4.9	290	-3.5	272	304	1.3	6.0	16.92	0.90	1983	1984
500	298	5831	297	-2.3	5.2	-7.1	286	-8.0	264	360	0.5	6.1	18.88	0.95	1983	1984
450	297	6673	296	-6.4	0.8	-12.7	274	-12.9	262	100	1.5	6.1	21.78	1.10	1983	1981
400	297	7574	296	-11.4	-4.3	-16.9	271	-19.1	261	104	2.9	6.5	24.61	1.16	1988	1980
350	292	8590	291	-17.6	-8.3	-23.3	240	-26.1	256	104	5.2	7.7	30.02	1.35	1988	1980
300	288	9725	287	-25.3	-17.9	-32.7	192	-33.7	253	103	8.1	9.2	36.42	1.41	1988	1981
250	284	11025	284	-35.2	-26.9	-44.9	126	-43.0	250	099	11.5	12.3	40.28	1.43	1988	1981
200	272	12542	272	-47.6	-40.5	-58.7			237	093	16.7	17.7	51.48	1.43	1983	1981
175	262	13412	262	-54.9	-47.1	-65.9			225	094	19.2	20.3	56.78	1.40	1983	1982
150	239	14381	239	-62.7	-55.1	-71.7			205	093	21.4	22.5	60.90	1.64	1983	1986
125	201	15477	201	-70.8	-62.1	-82.1			169	092	24.5	25.4	62.82	1.68	1983	1985
100	170	16777	169	-75.1	-64.5	-86.1			141	096	24.6	25.6	78.90	1.71	1981	1979
80	140	18083	140	-69.2	-55.9	-81.1			115	099	21.9	22.4	93.56	3.24	1989	1979
70	131	18912	131	-64.3	-51.5	-76.1			104	099	20.3	20.9	107.03	3.30	1989	1984
60	123	19845	123	-60.8	-49.9	-71.5			96	095	19.3	19.9	123.68	2.68	1989	1984
50	113	20989	113	-57.1	-45.1	-66.9			85	096	21.0	21.4	139.38	3.23	1989	1979
40	98	22410	98	-53.0	-40.9	-61.7			68	099	20.4	21.0	156.85	2.20	1989	1984
30	76	24271	76	-49.8	-36.7	-58.9			53	103	22.8	23.5	187.82	2.99	1989	1979
25	64	25453	64	-47.2	-39.5	-55.9			39	101	23.4	23.8	207.99	2.57	1981	1979
20	47	26937	47	-45.8	-37.3	-52.9			27	101	25.8	26.2	304.07	2.85	1989	1979
15	35	28838	35	-43.4	-33.1	-50.1			19	104	26.0	26.4	345.24	2.40	1989	1979
10	12	31346	12	-43.0	-32.1	-46.7			4	099	27.2	27.2			1985	1984
7	5	33723	5	-43.1	-39.3	-45.3			3	095	27.2	27.3			1984	1988

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

297 529 539

161 102 1664 -76.9

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

SEPTEMBER 1979-89

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	330	945	330	22.6	27.0	18.4	330	21.8	330	237	0.2	0.5	0.90	0.48	1985	1982
<i>1000</i>	302	60											6.74			
<i>950</i>	302	497	2	22.1	22.2	22.0	2	21.5	2	264	3.4	3.5	24.29		1980	1980
<i>900</i>	302	979	302	21.7	28.4	15.4	301	19.3	299	287	2.7	4.9	6.40	0.48	1987	1982
<i>850</i>	302	1473	302	19.3	27.0	12.2	300	16.2	299	312	2.9	5.8	7.04	0.63	1987	1982
<i>800</i>	302	1993	302	16.6	24.0	10.2	301	12.8	298	328	3.0	5.8	6.53	0.75	1987	1982
<i>750</i>	302	2540	302	13.6	21.8	8.0	299	9.3	297	336	2.8	5.5	9.52	0.82	1987	1982
<i>700</i>	302	3118	302	10.6	18.8	6.0	299	5.5	297	337	2.4	5.3	7.69	0.88	1987	1989
<i>650</i>	302	3734	302	7.3	15.2	2.0	295	2.1	298	338	1.5	4.7	7.67	0.97	1987	1980
<i>600</i>	302	4386	302	4.0	12.6	-0.9	293	-1.8	297	346	0.6	4.5	9.42	0.89	1987	1981
<i>550</i>	301	5109	301	0.5	9.6	-4.3	283	-6.0	296	085	0.5	4.8	14.59	0.97	1987	1986
<i>500</i>	300	5849	300	-3.4	5.8	-9.5	281	-10.7	290	100	1.4	4.9	14.01	1.19	1987	1984
<i>450</i>	300	6688	300	-7.8	1.8	-14.5	260	-15.8	290	106	2.2	5.1	21.24	1.34	1988	1984
<i>400</i>	298	7582	298	-12.9	-2.7	-19.9	226	-21.4	287	111	3.1	5.4	22.95	1.40	1988	1989
<i>350</i>	294	8593	294	-19.2	-8.9	-25.5	172	-28.0	280	112	4.3	6.0	26.43	1.65	1988	1979
<i>300</i>	290	9720	290	-26.8	-16.9	-35.5	110	-35.4	278	110	6.0	7.3	35.70	1.56	1988	1981
<i>250</i>	282	11010	282	-36.8	-27.5	-46.9	63	-43.8	271	105	8.3	9.5	43.90	1.68	1988	1986
<i>200</i>	278	12517	278	-49.2	-39.9	-61.9			268	104	11.5	13.0	54.84	1.92	1988	1979
<i>175</i>	270	13380	270	-56.4	-43.7	-67.9			256	101	13.9	15.2	61.17	2.04	1985	1985
<i>150</i>	233	14331	233	-64.2	-52.1	-76.3			220	101	15.9	17.1	66.29	2.20	1988	1985
<i>125</i>	200	15429	200	-71.5	-58.9	-83.1			187	103	18.0	18.9	77.65	2.23	1988	1985
<i>100</i>	169	16725	169	-74.8	-65.7	-88.9			158	107	17.6	18.2	86.41	1.76	1988	1981
<i>80</i>	146	18036	146	-69.7	-57.3	-80.1			133	102	15.2	15.7	91.31	2.22	1989	1987
<i>70</i>	138	18864	138	-65.4	-53.9	-76.1			126	099	13.5	14.1	99.07	2.07	1989	1984
<i>60</i>	129	19792	129	-61.3	-51.9	-71.1			118	098	13.8	14.1	96.37	2.44	1989	1984
<i>50</i>	124	20933	124	-57.0	-47.9	-65.7			110	100	14.8	15.3	97.74	2.72	1981	1980
<i>40</i>	114	22355	114	-53.2	-37.5	-68.7			100	100	16.5	17.0	93.26	2.94	1981	1980
<i>30</i>	102	24230	102	-49.1	-34.7	-58.7			86	101	19.4	19.8	96.70	2.56	1986	1984
<i>25</i>	91	25403	91	-47.4	-33.3	-56.7			75	101	19.7	20.2	103.58	2.55	1986	1984
<i>20</i>	73	26889	73	-45.5	-33.3	-54.7			60	106	19.7	20.2	137.81	2.94	1987	1984
<i>15</i>	53	28796	53	-43.2	-33.5	-52.5			38	102	23.0	23.5	184.50	3.57	1987	1984
<i>10</i>	21	31399	21	-42.5	-33.5	-49.3			19	102	24.5	24.8	169.67	2.01	1984	1984
<i>7</i>	10	33753	10	-41.3	-37.9	-46.9			8	100	26.0	26.3			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
301	543	521					164	104	1654	-76.7

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

OCTOBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	949	372	19.5	23.8	12.0	372	18.3	372	019	0.1	0.4	1.08	0.77	1987	1985
<i>1000</i>	320	101											12.63			
<i>950</i>	320	532	106	18.6	23.0	12.8	105	16.5	98	055	0.5	0.7	22.41	1.72	1986	1985
<i>900</i>	320	1009	320	21.1	25.4	15.4	317	14.4	317	063	1.8	4.0	13.53	0.50	1986	1987
<i>850</i>	320	1501	320	18.4	25.2	12.0	314	10.4	317	060	2.4	4.9	13.94	0.56	1979	1985
<i>800</i>	320	2020	320	15.3	21.0	8.0	302	6.6	316	046	2.7	5.3	15.27	0.67	1980	1985
<i>750</i>	320	2566	320	12.2	18.2	4.8	280	3.0	315	036	2.5	5.4	16.93	0.70	1980	1985
<i>700</i>	320	3138	319	9.4	19.0	1.2	240	-0.2	314	032	1.7	5.2	16.71	1.09	1980	1979
<i>650</i>	318	3753	317	6.4	13.6	0.2	204	-3.0	310	037	0.7	5.1	18.98	1.14	1980	1986
<i>600</i>	317	4401	316	3.4	9.6	-3.7	169	-6.1	308	172	0.1	5.1	17.62	1.04	1989	1982
<i>550</i>	317	5120	316	-0.2	6.0	-6.9	152	-9.7	306	208	0.5	5.2	22.19	1.11	1989	1985
<i>500</i>	317	5859	316	-4.1	4.6	-10.7	144	-14.5	307	228	0.7	5.5	20.72	1.18	1988	1979
<i>450</i>	316	6691	315	-8.7	-0.3	-15.5	114	-18.7	306	244	1.2	5.8	29.23	1.13	1988	1979
<i>400</i>	313	7588	312	-14.2	-6.3	-22.3	94	-24.1	301	256	2.2	5.9	26.02	1.16	1988	1988
<i>350</i>	312	8593	312	-20.7	-12.9	-31.5	70	-30.0	296	252	3.1	6.6	35.39	1.41	1980	1979
<i>300</i>	306	9715	306	-28.5	-19.9	-40.5	48	-36.7	292	245	4.0	7.5	35.73	1.63	1984	1979
<i>250</i>	298	10994	298	-38.5	-30.7	-51.5	20	-45.5	284	236	4.5	8.9	42.03	1.90	1988	1979
<i>200</i>	282	12490	281	-50.7	-42.1	-61.5			264	216	5.4	10.1	53.35	1.89	1989	1979
<i>175</i>	252	13349	251	-57.6	-48.1	-67.3			236	202	5.1	10.0	63.99	2.09	1988	1979
<i>150</i>	213	14303	212	-65.0	-55.3	-76.9			196	190	5.3	10.4	75.26	2.38	1989	1985
<i>125</i>	172	15383	172	-72.2	-62.1	-80.3			158	161	4.0	8.7	82.32	1.95	1988	1979
<i>100</i>	138	16681	138	-75.9	-65.7	-85.1			127	121	5.1	7.9	92.80	2.20	1986	1979
<i>80</i>	123	17977	122	-71.0	-57.9	-83.3			111	104	6.2	7.7	113.06	3.26	1989	1979
<i>70</i>	114	18804	114	-66.3	-54.1	-76.5			102	097	6.6	7.9	112.29	2.91	1989	1979
<i>60</i>	107	19737	107	-61.0	-49.7	-70.3			94	089	7.3	8.3	108.81	2.86	1989	1984
<i>50</i>	101	20891	101	-56.7	-44.9	-67.7			90	099	8.3	9.2	112.63	3.16	1989	1982
<i>40</i>	93	22314	93	-52.3	-39.5	-67.7			81	099	9.6	10.7	127.56	3.32	1986	1984
<i>30</i>	78	24186	78	-47.8	-33.7	-57.9			66	101	12.2	12.9	186.58	3.85	1989	1984
<i>25</i>	60	25347	60	-46.4	-34.3	-55.7			48	101	14.9	15.7	219.81	3.96	1985	1984
<i>20</i>	49	26821	49	-45.2	-29.7	-54.9			38	101	15.5	15.8	209.57	4.71	1985	1984
<i>15</i>	28	28736	28	-44.3	-33.1	-54.1			21	101	15.8	16.9	261.65	3.85	1989	1984
<i>10</i>	16	31302	16	-44.0	-38.3	-53.1			11	105	21.2	22.5			1983	1984
<i>7</i>	9	33645	9	-43.1	-36.1	-52.1			5	109	24.5	24.6			1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

317 553 507

128 100 1667 -77.6

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

NOVEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	359	951	359	14.9	22.6	6.4	359	12.9	359	013	0.2	0.3	0.91	1.77	1987	1985
1000	335	132											10.84			
950	335	560	253	14.6	24.8	8.0	249	12.4	252	056	1.7	2.1	12.20	1.70	1989	1984
900	335	1028	335	18.8	24.4	11.2	329	9.7	335	064	3.5	4.6	7.39	0.79	1987	1986
850	335	1516	335	16.2	24.0	10.0	315	6.0	335	059	3.6	5.1	8.07	1.24	1987	1984
800	335	2029	335	13.8	22.8	6.2	268	2.8	334	051	2.8	4.9	7.74	1.32	1987	1982
750	335	2578	335	11.9	21.8	4.2	193	1.0	334	038	2.1	4.8	6.96	1.12	1987	1981
700	335	3145	335	9.5	19.6	0.2	157	-2.2	334	006	1.3	4.8	10.36	1.01	1985	1982
650	335	3761	333	6.3	15.6	-4.3	134	-4.8	331	326	1.1	4.9	10.81	0.94	1987	1979
600	333	4407	332	3.0	11.6	-4.5	111	-6.9	327	291	1.8	5.6	14.10	0.95	1987	1980
550	332	5124	331	-0.7	6.8	-8.7	86	-9.9	327	293	2.3	5.8	14.83	0.96	1985	1980
500	331	5862	330	-5.1	1.6	-12.7	74	-14.8	326	289	3.6	6.9	18.57	1.04	1988	1980
450	330	6692	328	-9.9	-1.7	-17.3	59	-19.8	324	286	5.2	8.3	23.51	1.17	1985	1987
400	328	7582	326	-15.6	-8.1	-22.9	41	-24.3	319	284	7.0	10.0	25.80	1.18	1987	1979
350	325	8586	324	-22.2	-14.1	-31.1	33	-31.0	317	274	9.3	11.8	30.39	1.36	1981	1979
300	319	9695	318	-29.8	-19.9	-39.9	21	-38.9	309	266	12.4	14.4	36.54	1.66	1988	1979
250	309	10970	309	-39.5	-29.1	-49.9	4	-45.7	297	256	14.0	16.2	45.77	2.01	1988	1980
200	295	12458	294	-51.5	-42.1	-65.1			283	249	15.4	18.0	59.68	2.35	1988	1980
175	265	13314	264	-58.0	-47.7	-70.9			250	246	15.2	17.6	66.32	2.64	1988	1980
150	225	14277	224	-64.8	-54.1	-75.9			206	248	13.3	15.6	74.28	2.84	1988	1980
125	183	15371	183	-71.3	-60.5	-83.5			165	258	9.8	12.4	100.72	3.50	1989	1979
100	154	16664	154	-75.5	-64.3	-89.5			142	263	4.2	8.4	120.53	2.89	1989	1979
80	134	17962	134	-73.2	-61.7	-89.5			115	048	0.3	6.5	138.00	2.97	1989	1979
70	125	18777	125	-69.3	-56.1	-85.1			102	102	1.3	5.6	154.00	3.22	1980	1979
60	117	19698	117	-63.8	-52.5	-75.1			96	096	1.5	5.6	166.23	3.08	1980	1979
50	107	20846	107	-58.1	-48.3	-70.7			87	094	3.2	6.6	178.38	2.90	1988	1979
40	92	22283	91	-53.0	-42.9	-61.3			74	094	5.5	7.7	188.90	2.55	1989	1984
30	83	24170	83	-48.3	-37.1	-59.9			61	097	7.3	9.4	211.33	3.51	1985	1984
25	71	25368	71	-46.2	-35.9	-57.3			50	102	7.2	9.3	238.00	4.30	1985	1984
20	55	26858	55	-44.9	-34.7	-54.1			38	096	8.8	10.7	267.24	3.44	1989	1984
15	40	28802	40	-42.2	-31.1	-52.1			28	094	10.1	12.4	235.81	3.83	1989	1984
10	13	31409	13	-42.2	-32.5	-48.9			7	104	11.7	13.3			1988	1979
7	3	33671	3	-44.0	-41.5	-46.7			3	103	15.7	16.3			1984	1988

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

332 560 497

138 098 1680 -77.0

NORMALS OF RADIOSONDE DATA

43041 JAGDALPUR

DECEMBER 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	341	953	341	12.3	20.0	6.0	341	10.6	341	022	0.1	0.2	1.00	0.77	1987	1984
<i>1000</i>	299	151											9.39			
<i>950</i>	299	574	274	12.8	20.2	7.2	274	10.4	272	057	1.3	1.9	11.80	0.99	1987	1981
<i>900</i>	299	1038	299	17.2	24.0	8.6	299	8.2	296	064	2.2	3.7	10.01	0.95	1986	1987
<i>850</i>	299	1524	299	15.1	23.2	7.4	277	3.9	296	038	1.5	3.8	9.78	1.26	1990	1990
<i>800</i>	299	2036	299	13.2	22.2	6.6	215	0.8	296	004	1.4	4.1	10.07	1.20	1990	1989
<i>750</i>	299	2582	299	11.3	19.2	3.0	143	-2.0	297	344	2.0	4.7	14.25	1.06	1990	1981
<i>700</i>	299	3148	298	8.8	17.0	0.0	99	-4.7	296	321	2.3	5.2	10.60	1.17	1987	1981
<i>650</i>	298	3761	297	5.9	14.2	-4.1	74	-7.9	293	305	3.1	6.1	12.33	1.05	1987	1986
<i>600</i>	298	4408	297	2.4	11.0	-4.5	61	-10.9	292	289	4.5	7.2	13.76	1.05	1987	1986
<i>550</i>	297	5123	296	-1.6	7.4	-9.5	45	-14.0	292	286	6.1	8.6	17.58	1.12	1987	1986
<i>500</i>	295	5858	295	-6.1	2.4	-14.3	40	-17.8	291	283	8.0	10.6	18.10	1.24	1987	1986
<i>450</i>	295	6683	295	-11.2	-2.7	-19.5	37	-21.7	289	281	10.1	12.4	25.51	1.41	1987	1986
<i>400</i>	295	7570	295	-16.9	-8.5	-24.9	36	-27.7	288	276	12.6	14.8	26.16	1.48	1987	1986
<i>350</i>	293	8566	293	-23.4	-15.9	-33.5	26	-33.2	285	275	16.0	18.3	31.66	1.62	1989	1988
<i>300</i>	290	9673	290	-31.3	-23.1	-39.9	18	-40.0	281	272	18.3	20.7	38.65	1.79	1989	1988
<i>250</i>	277	10937	277	-41.1	-32.1	-52.7	4	-45.7	267	264	20.3	23.3	47.02	1.97	1989	1986
<i>200</i>	252	12415	252	-52.6	-41.1	-65.1			236	258	21.8	24.4	56.38	2.05	1989	1981
<i>175</i>	218	13261	218	-59.1	-46.1	-68.9			201	258	21.9	24.2	70.01	2.23	1989	1986
<i>150</i>	180	14208	180	-65.2	-54.1	-78.1			170	262	20.3	22.4	86.11	2.42	1989	1982
<i>125</i>	146	15289	146	-71.0	-60.3	-79.9			137	265	15.9	17.8	92.90	2.39	1989	1982
<i>100</i>	124	16588	124	-75.3	-66.3	-82.9			115	271	9.1	11.6	99.82	2.25	1989	1980
<i>80</i>	112	17877	112	-74.0	-62.1	-81.5			101	267	3.9	7.7	111.22	2.40	1981	1982
<i>70</i>	109	18673	109	-70.7	-55.7	-79.9			98	242	2.1	6.8	126.11	3.05	1981	1980
<i>60</i>	98	19593	98	-65.7	-50.5	-80.7			88	291	0.8	6.6	148.99	3.65	1985	1987
<i>50</i>	95	20719	95	-59.5	-44.9	-72.1			84	025	1.0	6.4	167.95	3.64	1985	1987
<i>40</i>	84	22138	84	-54.6	-40.1	-66.1			71	084	1.6	6.5	172.55	3.35	1985	1987
<i>30</i>	76	23993	76	-49.5	-41.1	-58.9			63	096	3.8	7.3	180.00	3.73	1985	1988
<i>25</i>	61	25162	61	-47.3	-40.7	-55.5			49	092	3.5	7.1	185.05	3.05	1988	1987
<i>20</i>	45	26667	45	-45.0	-36.5	-52.3			31	092	3.0	7.7	188.49	2.78	1984	1987
<i>15</i>	21	28618	21	-43.5	-35.1	-50.7			14	023	2.7	7.9	176.32	2.71	1984	1989
<i>10</i>	9	31330	9	-42.3	-36.7	-50.9			4	252	4.1	6.5			1986	1989
<i>7</i>	3	33762	3	-43.7	-39.9	-48.1									1986	1988

FREEZING LEVEL

N P ALT

298 571 481

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

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115 093 1699 -77.5

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	990	620	11.8	22.0	4.0	620	2.8	620	042	3.1	3.7	0.67	1.00	1974	1978
<i>1000</i>	571	132											6.01			
<i>950</i>	563	543	560	14.9	25.0	5.0	543	1.4	560	054	3.1	5.5	15.59	1.22	1976	1977
<i>900</i>	564	1021	562	12.8	21.0	2.0	519	-1.3	557	003	1.1	4.9	7.27	1.09	1976	1975
<i>850</i>	564	1498	562	9.8	19.4	1.0	480	-3.5	560	287	2.4	5.5	8.20	1.21	1990	1975
<i>800</i>	564	1999	563	7.1	17.2	-1.9	411	-5.7	557	277	4.1	6.5	9.90	1.36	1990	1983
<i>750</i>	564	2531	562	4.7	15.0	-5.1	351	-8.3	554	271	6.3	8.2	12.09	1.40	1976	1983
<i>700</i>	564	3086	562	1.9	12.0	-7.7	307	-11.0	553	267	8.6	10.1	13.49	1.45	1976	1984
<i>650</i>	557	3684	554	-1.4	8.8	-11.5	269	-14.2	545	267	11.8	13.1	19.76	1.39	1990	1979
<i>600</i>	556	4315	550	-5.2	8.8	-13.9	243	-17.3	547	268	15.0	16.3	17.15	1.29	1987	1981
<i>550</i>	547	5002	542	-9.5	3.0	-19.0	235	-21.0	542	269	18.4	19.8	23.20	1.42	1987	1976
<i>500</i>	542	5724	540	-14.3	-3.3	-24.0	232	-25.2	538	269	22.1	23.6	23.45	1.54	1990	1978
<i>450</i>	539	6519	536	-19.7	-7.3	-31.0	214	-29.8	534	269	26.5	28.0	29.00	1.77	1989	1978
<i>400</i>	533	7382	530	-25.6	-13.9	-39.9	209	-34.7	528	271	31.3	33.0	32.63	1.91	1989	1979
<i>350</i>	525	8347	521	-32.2	-20.3	-44.0	179	-40.9	517	269	36.5	38.4	38.87	2.28	1989	1978
<i>300</i>	516	9413	506	-39.1	-26.0	-49.0	93	-45.5	505	269	42.0	44.2	46.34	2.59	1975	1977
<i>250</i>	501	10644	496	-46.6	-34.0	-60.0	7	-47.4	482	267	47.5	50.2	56.60	2.58	1975	1976
<i>200</i>	482	12096	477	-55.2	-41.5	-70.1			461	266	49.3	51.6	70.39	2.34	1986	1979
<i>175</i>	462	12937	458	-59.6	-46.1	-70.5			439	266	48.3	50.2	73.60	2.10	1986	1979
<i>150</i>	433	13895	431	-64.0	-47.0	-77.7			409	265	44.5	46.0	80.05	2.21	1975	1989
<i>125</i>	407	14995	407	-68.8	-56.1	-85.3			371	266	39.7	40.9	89.81	2.47	1986	1989
<i>100</i>	378	16315	377	-72.8	-60.1	-89.1			340	264	30.4	31.4	96.35	2.68	1986	1989
<i>80</i>	333	17618	333	-73.1	-61.9	-87.9			299	265	21.9	23.0	104.34	2.42	1990	1989
<i>70</i>	308	18407	308	-71.4	-55.7	-86.7			274	265	16.8	18.0	111.24	2.41	1990	1989
<i>60</i>	267	19326	267	-68.1	-50.7	-82.0			230	267	13.3	14.9	118.20	2.63	1981	1978
<i>50</i>	218	20437	218	-64.2	-51.5	-80.0			189	274	7.6	10.7	126.16	2.75	1986	1978
<i>40</i>	167	21822	167	-60.1	-47.3	-73.0			137	284	6.0	9.0	157.00	3.48	1983	1978
<i>30</i>	109	23664	109	-55.7	-43.9	-71.3			83	289	4.5	8.5	211.41	4.25	1986	1985
<i>25</i>	70	24847	70	-54.1	-43.1	-66.1			47	288	4.6	8.4	161.77	4.35	1986	1985
<i>20</i>	32	26414	32	-50.5	-39.9	-64.9			18	264	5.4	9.9	230.75	5.40	1987	1985
<i>15</i>	12	28348	12	-51.6	-41.9	-63.1			6	291	8.0	9.5			1986	1985
<i>10</i>	6	30864	6	-49.2	-41.7	-58.9			3	278	17.0	18.3			1983	1985
<i>7</i>	3	33224	3	-46.4	-41.1	-55.5			1	285	32.0	32.0			1986	1985

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
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556	675	340			117	207	1201	-59.3		343	098	1650	-74.5
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NORMALS OF RADIOSONDE DATA

42339 JODHPUR

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	565	988	565	13.8	22.0	2.0	565	3.8	565	042	2.3	3.7	1.20	1.40	1980	1974
1000	496	115											10.49			
950	493	528	491	16.4	28.0	6.0	470	2.1	491	052	2.2	5.9	15.20	1.69	1974	1972
900	493	1008	492	14.2	24.2	2.4	449	-0.7	488	313	1.2	5.5	10.50	1.77	1988	1984
850	493	1488	493	11.0	21.4	-0.3	435	-3.4	491	276	3.3	6.0	11.18	1.80	1988	1979
800	493	1990	493	7.9	18.6	-5.0	398	-5.3	492	271	5.1	7.3	12.25	1.74	1988	1978
750	493	2521	492	4.7	16.0	-8.0	359	-7.8	493	271	7.0	8.9	18.06	1.73	1971	1978
700	493	3078	491	1.6	12.6	-13.0	335	-11.2	492	268	9.1	10.8	16.54	1.79	1988	1978
650	491	3672	483	-1.8	10.0	-21.0	302	-14.1	483	266	11.8	13.4	24.72	1.85	1971	1978
600	487	4307	481	-5.6	2.8	-24.0	281	-17.3	479	267	14.8	16.3	22.55	1.67	1985	1978
550	482	4993	477	-9.9	-0.7	-28.0	251	-21.3	468	268	18.0	19.4	31.54	1.70	1985	1978
500	479	5714	476	-14.8	-5.7	-32.0	253	-25.6	468	269	21.7	23.2	29.14	1.75	1985	1978
450	478	6507	477	-20.1	-9.9	-39.0	238	-30.2	464	269	25.8	27.5	35.90	1.95	1985	1978
400	470	7368	467	-26.0	-15.0	-42.0	224	-35.5	455	269	29.6	31.7	36.81	2.18	1976	1978
350	459	8332	456	-32.5	-20.0	-43.0	193	-41.4	438	269	34.5	36.6	44.47	2.66	1972	1978
300	452	9395	447	-39.1	-27.1	-52.1	99	-45.8	427	269	40.4	42.7	53.71	2.91	1985	1983
250	441	10627	437	-46.4	-34.3	-62.0	20	-52.9	408	267	45.8	48.6	64.39	2.55	1986	1978
200	423	12087	421	-54.1	-40.0	-69.0	1	-58.1	388	266	47.3	49.8	75.11	1.90	1973	1978
175	392	12937	392	-58.4	-44.5	-69.1	1	-58.3	349	266	44.9	46.9	79.27	2.35	1986	1979
150	373	13896	372	-63.3	-51.9	-73.5			332	267	41.4	43.1	84.74	2.59	1986	1979
125	347	14997	347	-68.7	-55.5	-82.1			308	266	36.2	37.6	87.17	2.78	1988	1989
100	317	16321	317	-72.9	-57.1	-84.7			281	266	28.5	29.6	95.18	2.65	1988	1985
80	281	17526	280	-73.2	-59.1	-84.0			248	267	21.1	21.9	106.97	2.71	1988	1972
70	257	18422	256	-71.4	-57.1	-82.0			225	267	15.9	16.9	92.50	2.49	1988	1972
60	228	19338	226	-68.2	-53.3	-79.7			193	271	12.0	13.4	107.18	2.15	1988	1990
50	192	20440	192	-64.0	-49.1	-76.5			156	272	9.1	11.0	116.60	2.44	1988	1985
40	149	21832	149	-59.6	-45.9	-72.3			119	277	5.6	9.1	118.20	2.66	1988	1985
30	107	23669	107	-55.5	-41.9	-67.3			81	272	5.4	9.1	126.37	3.63	1988	1985
25	67	24854	67	-53.4	-38.9	-65.9			46	272	6.0	8.9	130.18	4.06	1986	1985
20	43	26407	43	-49.6	-36.5	-59.1			26	272	5.8	8.3	147.86	2.95	1986	1983
15	19	28431	19	-45.4	-34.1	-56.7			6	261	13.2	13.5			1986	1983
10	8	31099	8	-43.3	-35.3	-49.1			2	273	10.0	10.0			1986	1983
7	1	33500	1	-41.1	-41.1	-41.1									1986	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

488 679 335 91 232 1123 -54.8 290 099 1648 -74.4

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	985	589	19.4	32.0	9.2	589	6.4	589	027	1.1	3.3	1.12	0.99	1974	1982
<i>1000</i>	565	89											7.85			
<i>950</i>	563	512	563	22.0	36.0	6.2	532	4.4	558	004	0.9	6.0	14.87	1.95	1977	1982
<i>900</i>	563	999	563	20.0	30.0	7.0	509	1.2	558	286	2.4	6.0	8.61	2.02	1977	1973
<i>850</i>	563	1488	561	16.4	26.0	4.4	500	-1.5	558	273	4.3	6.4	10.04	2.05	1972	1982
<i>800</i>	563	2000	561	12.4	22.2	0.6	491	-4.1	559	267	5.5	7.2	12.41	1.91	1985	1983
<i>750</i>	563	2533	560	8.4	16.0	-4.1	468	-7.0	559	266	6.6	8.3	18.48	1.80	1974	1983
<i>700</i>	563	3102	561	4.4	13.2	-6.5	416	-9.8	558	268	8.0	9.7	18.42	1.84	1985	1982
<i>650</i>	557	3699	556	0.4	9.0	-10.0	369	-13.3	553	269	9.8	11.3	25.46	1.80	1974	1975
<i>600</i>	553	4338	551	-3.8	4.8	-14.0	335	-16.7	547	268	11.8	13.3	25.05	1.65	1980	1971
<i>550</i>	551	5026	548	-8.3	5.2	-19.0	306	-20.8	540	269	14.4	15.8	29.85	1.48	1982	1971
<i>500</i>	550	5753	547	-13.4	-4.0	-24.1	280	-25.3	538	269	17.1	18.6	31.91	1.50	1974	1980
<i>450</i>	550	6549	547	-19.0	-5.0	-29.7	263	-30.1	533	269	20.2	21.8	34.96	1.59	1977	1982
<i>400</i>	543	7416	541	-25.4	-12.7	-36.1	262	-35.7	526	269	23.6	25.3	39.41	1.68	1990	1982
<i>350</i>	533	8379	530	-32.3	-15.5	-44.0	228	-41.6	516	271	27.3	29.4	45.40	2.08	1990	1971
<i>300</i>	522	9445	521	-39.9	-24.5	-51.0	77	-46.8	503	271	31.1	33.5	49.36	2.39	1990	1978
<i>250</i>	504	10671	501	-47.8	-35.1	-59.1	9	-52.2	483	269	35.5	38.2	55.20	2.53	1990	1989
<i>200</i>	485	12119	482	-55.0	-44.3	-71.0	3	-64.1	454	268	37.6	40.2	62.17	1.97	1986	1972
<i>175</i>	461	12963	458	-58.9	-49.9	-71.0			433	268	37.2	39.4	65.49	1.52	1988	1977
<i>150</i>	437	13920	435	-63.5	-51.9	-73.0			408	269	34.2	36.0	69.16	1.58	1989	1977
<i>125</i>	408	15026	408	-68.7	-57.9	-79.1			380	267	29.2	30.6	77.73	1.70	1988	1989
<i>100</i>	370	16350	370	-72.7	-59.3	-87.9			344	268	23.3	24.8	83.57	1.73	1988	1982
<i>80</i>	319	17658	319	-73.6	-57.1	-88.0			297	267	14.9	16.3	92.19	2.02	1985	1974
<i>70</i>	300	18446	299	-71.7	-52.1	-84.5			277	268	11.2	13.4	97.80	1.91	1986	1987
<i>60</i>	263	19366	263	-68.3	-49.5	-80.1			238	275	7.8	11.0	97.05	2.56	1986	1989
<i>50</i>	220	20470	220	-64.0	-46.3	-77.0			195	286	5.2	8.5	101.15	3.17	1986	1978
<i>40</i>	162	21853	162	-59.4	-41.1	-75.0			140	295	3.8	7.7	118.63	4.59	1986	1978
<i>30</i>	110	23689	110	-54.0	-38.1	-67.0			89	322	1.8	7.3	136.26	3.75	1986	1974
<i>25</i>	77	24854	77	-51.7	-34.9	-65.0			60	288	3.9	7.9	170.91	4.96	1986	1974
<i>20</i>	51	26374	51	-47.5	-31.1	-58.5			35	279	6.3	8.5	225.27	4.28	1986	1984
<i>15</i>	29	28283	29	-45.7	-35.1	-57.5			20	275	8.8	12.2	221.49	4.07	1986	1984
<i>10</i>	9	30907	9	-44.9	-35.5	-54.3			5	269	19.5	24.0			1986	1984
<i>7</i>	3	33209	3	-45.2	-44.1	-46.9			3	267	11.9	13.3			1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

554	646	376														
			154	232	1125	-55.9				341	097	1663	-74.8			

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	ODD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	570	981	570	24.8	31.6	16.0	570	10.6	570	256	1.3	3.5	0.73	1.14	1981	1974
1000	538	52											6.57			
950	538	486	537	26.3	35.0	17.4	490	8.1	530	261	2.8	6.8	9.77	1.45	1971	1989
900	538	977	536	24.9	34.0	13.4	476	4.2	530	266	4.4	7.4	5.79	1.63	1973	1983
850	538	1475	537	21.4	32.0	2.0	466	1.3	533	263	5.1	7.1	7.09	1.62	1973	1976
800	538	1995	537	17.2	27.0	6.2	472	-1.5	532	263	5.3	7.0	9.15	1.64	1973	1983
750	538	2535	538	12.7	27.0	1.6	477	-4.6	532	266	5.3	7.2	11.00	1.50	1975	1983
700	538	3114	538	7.9	16.6	-4.5	465	-8.0	532	267	5.7	7.9	14.18	1.42	1989	1983
650	535	3716	534	3.3	11.6	-9.3	411	-11.0	527	273	6.5	8.8	20.74	1.40	1989	1983
600	531	4363	528	-1.1	6.4	-14.3	356	-15.1	519	273	8.0	10.3	19.75	1.31	1989	1983
550	526	5058	523	-5.8	2.0	-17.3	305	-19.6	516	272	10.1	12.0	21.92	1.25	1975	1983
500	523	5792	520	-10.8	-3.0	-20.1	275	-23.8	513	271	12.3	14.1	25.67	1.33	1977	1983
450	519	6595	516	-16.4	-7.3	-32.3	251	-28.8	508	271	14.7	16.4	28.96	1.47	1986	1984
400	516	7470	511	-22.9	-13.9	-34.3	242	-33.8	502	271	17.4	19.4	34.92	1.55	1989	1983
350	510	8442	509	-30.0	-20.9	-41.3	226	-39.8	490	272	20.1	22.1	41.05	1.72	1989	1983
300	505	9519	504	-37.8	-26.7	-46.3	151	-46.4	483	271	23.7	26.2	46.75	1.86	1980	1983
250	487	10755	485	-46.1	-33.3	-59.0	15	-51.7	453	269	28.2	31.1	54.21	2.27	1989	1976
200	466	12211	465	-54.1	-40.9	-69.0	2	-55.7	431	268	30.6	33.4	63.60	2.47	1989	1978
175	439	13058	439	-58.4	-45.0	-74.0	2	-59.0	405	267	29.8	32.2	72.20	2.02	1971	1978
150	421	14015	420	-63.0	-50.5	-78.5	1	-67.3	385	266	27.2	29.1	78.88	1.66	1987	1983
125	394	15119	393	-68.2	-56.1	-80.0			360	266	22.9	24.7	81.19	1.80	1982	1977
100	370	16442	369	-72.7	-59.9	-83.5			340	263	16.3	17.8	86.24	1.64	1989	1981
80	336	17747	336	-73.5	-61.7	-86.1			301	266	9.3	11.7	90.95	2.11	1986	1989
70	309	18537	309	-71.8	-57.7	-85.3			275	264	5.5	9.2	100.59	2.31	1981	1982
60	283	19453	283	-67.9	-51.1	-84.0			250	278	3.5	7.6	98.93	3.20	1989	1978
50	244	20554	244	-62.8	-44.9	-78.0			215	313	1.1	6.5	107.48	3.50	1989	1978
40	197	21960	197	-57.1	-38.3	-76.0			170	334	1.0	5.1	123.10	4.38	1989	1978
30	152	23813	152	-51.6	-32.5	-71.0			127	334	1.4	5.5	170.52	4.71	1986	1974
25	126	25007	126	-48.8	-28.5	-67.0			104	319	1.5	6.2	225.32	6.93	1986	1974
20	81	26510	81	-46.3	-34.9	-60.3			65	289	1.7	6.4	132.98	3.26	1986	1982
15	41	28394	41	-44.6	-32.3	-58.1			29	289	3.3	7.8	274.51	3.47	1985	1982
10	16	31077	16	-43.5	-31.1	-54.5			10	259	6.6	12.4			1987	1982
7	6	33490	6	-40.5	-28.5	-43.9			5	263	19.5	20.6			1987	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

530	613	419														
			95	207	1209	-57.8				338	095	1683	-74.4			

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	603	978	603	28.1	34.4	19.8	603	16.3	603	233	3.8	4.9	1.41	1.02	1984	1989
<i>1000</i>	566	22											13.78			
<i>950</i>	565	459	562	27.9	41.0	20.4	552	13.7	559	236	6.2	8.1	15.93	1.12	1973	1982
<i>900</i>	565	953	560	26.8	35.6	17.8	518	8.4	558	246	7.3	9.0	11.20	1.34	1988	1990
<i>850</i>	565	1455	564	24.4	35.6	15.0	472	4.6	560	250	6.0	7.7	9.55	1.47	1988	1982
<i>800</i>	565	1982	562	20.5	33.0	6.8	459	1.0	559	261	4.5	6.7	8.50	1.49	1988	1990
<i>750</i>	565	2529	564	16.1	28.4	1.6	453	-2.1	557	274	4.0	6.4	10.79	1.71	1990	1990
<i>700</i>	565	3113	562	11.1	23.2	0.8	451	-5.5	554	287	4.0	6.9	8.90	1.61	1990	1990
<i>650</i>	560	3722	556	6.0	19.2	-8.9	428	-8.9	546	302	4.3	7.5	16.50	1.65	1990	1990
<i>600</i>	556	4375	552	1.2	12.8	-10.9	391	-13.2	534	306	5.4	8.7	14.50	1.63	1990	1990
<i>550</i>	551	5074	549	-3.6	10.0	-16.9	317	-17.7	532	299	6.4	9.3	22.07	1.61	1973	1990
<i>500</i>	544	5815	541	-8.4	3.6	-24.1	258	-22.9	522	290	7.9	10.5	21.82	1.55	1990	1990
<i>450</i>	541	6628	538	-13.7	1.0	-30.5	216	-28.0	518	285	10.3	12.5	27.31	1.47	1990	1990
<i>400</i>	535	7512	534	-19.7	-4.1	-38.0	196	-33.2	510	283	12.3	14.5	33.10	1.84	1990	1971
<i>350</i>	523	8496	521	-26.5	-11.7	-36.0	175	-39.1	497	280	15.1	17.3	42.19	2.12	1990	1977
<i>300</i>	506	9589	504	-34.1	-18.7	-44.5	141	-45.6	477	278	17.7	19.9	49.77	2.28	1990	1982
<i>250</i>	484	10843	484	-42.5	-26.3	-55.7	56	-50.6	450	272	20.6	22.8	62.57	2.36	1990	1982
<i>200</i>	461	12323	460	-52.0	-34.5	-65.5			420	266	22.0	24.0	79.08	2.06	1990	1982
<i>175</i>	447	13177	446	-57.3	-41.5	-68.3			403	263	21.1	23.2	84.47	2.07	1990	1983
<i>150</i>	423	14141	423	-62.9	-49.3	-74.0			378	261	18.3	20.2	98.86	2.08	1990	1978
<i>125</i>	402	15244	402	-68.9	-53.9	-82.1			352	259	14.1	16.4	111.26	2.66	1986	1988
<i>100</i>	360	16550	359	-73.9	-59.9	-87.7			315	250	8.6	12.0	92.90	2.41	1987	1988
<i>80</i>	338	17850	338	-73.8	-58.5	-88.7			290	232	1.7	8.1	93.85	2.91	1986	1985
<i>70</i>	311	18641	311	-70.4	-48.7	-83.5			266	092	1.7	7.6	94.78	3.19	1986	1988
<i>60</i>	279	19568	279	-65.5	-44.5	-84.1			232	082	4.6	7.9	91.05	3.13	1986	1988
<i>50</i>	251	20694	251	-60.0	-39.3	-76.9			208	083	5.9	8.4	97.34	3.37	1986	1988
<i>40</i>	224	22113	224	-54.2	-38.1	-76.0			180	082	6.4	7.7	111.48	3.45	1986	1971
<i>30</i>	179	23984	179	-49.0	-36.1	-74.0			143	085	7.4	8.5	136.15	4.58	1983	1971
<i>25</i>	151	25164	151	-46.2	-33.7	-69.0			116	084	6.3	8.1	167.47	4.26	1986	1971
<i>20</i>	89	26652	89	-44.1	-34.7	-54.1			65	094	6.5	8.0	146.26	3.37	1989	1988
<i>15</i>	48	28568	48	-42.2	-32.1	-50.7			31	087	3.5	7.0	146.54	2.67	1987	1985
<i>10</i>	20	31339	20	-39.9	-28.5	-46.9			10	282	5.2	8.0			1987	1985
<i>7</i>	6	33624	6	-40.5	-35.1	-44.1			6	272	12.2	14.3			1988	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
544	587	454	19	215	1189	-53.4	338	095	1689	-75.4

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	598	974	598	29.2	39.0	21.0	598	21.8	598	228	5.2	5.9	0.97	0.86	1972	1975
<i>1000</i>	558	-12											8.13			
<i>950</i>	554	424	554	28.0	39.0	18.0	550	20.0	553	232	7.6	8.7	15.97	1.06	1972	1972
<i>900</i>	554	920	553	25.7	38.2	17.0	540	16.5	550	237	9.0	10.1	10.13	1.57	1988	1978
<i>850</i>	554	1421	552	23.6	34.4	14.0	523	12.6	549	237	7.0	8.7	12.12	1.34	1988	1974
<i>800</i>	554	1947	553	21.2	30.0	10.0	500	7.5	550	242	4.0	6.9	13.08	1.03	1988	1972
<i>750</i>	554	2504	554	17.7	26.0	0.0	482	3.4	549	282	1.3	6.0	15.30	1.17	1973	1974
<i>700</i>	554	3086	553	13.3	23.0	5.6	462	-0.3	547	358	1.8	6.1	15.08	1.24	1973	1990
<i>650</i>	551	3702	551	8.3	17.2	-4.1	456	-5.1	541	013	3.2	6.8	18.32	1.20	1988	1980
<i>600</i>	546	4358	544	3.4	13.0	-4.7	444	-9.6	532	012	4.3	7.7	17.80	1.35	1988	1989
<i>550</i>	541	5069	539	-1.4	9.6	-10.5	388	-13.0	522	010	4.5	7.8	24.31	1.49	1988	1985
<i>500</i>	536	5811	533	-5.5	4.0	-16.9	313	-16.2	516	360	3.5	7.5	21.42	1.51	1975	1985
<i>450</i>	532	6640	530	-9.2	4.0	-17.0	257	-21.1	512	330	3.5	8.2	25.51	1.56	1975	1972
<i>400</i>	524	7538	520	-13.9	-6.0	-24.9	206	-25.6	505	311	3.7	9.2	27.54	1.84	1973	1981
<i>350</i>	512	8547	509	-20.1	-10.7	-30.9	177	-32.0	488	303	4.1	9.6	33.94	2.08	1990	1979
<i>300</i>	499	9668	498	-27.8	-18.1	-38.1	157	-38.7	473	290	4.6	10.1	41.71	1.98	1990	1983
<i>250</i>	486	10953	485	-37.3	-23.1	-46.1	121	-47.2	457	278	4.7	10.1	52.71	2.06	1986	1983
<i>200</i>	468	12457	467	-49.0	-39.0	-59.3	2	-61.5	434	261	4.4	9.9	64.85	2.17	1975	1989
<i>175</i>	450	13320	449	-55.9	-44.7	-68.3			416	264	3.9	10.1	70.97	2.23	1990	1989
<i>150</i>	421	14282	421	-63.3	-47.0	-73.9			392	262	2.2	9.5	79.69	2.35	1975	1989
<i>125</i>	397	15381	397	-70.9	-56.0	-82.0			368	055	0.7	8.7	96.74	2.58	1975	1978
<i>100</i>	363	16675	363	-76.8	-63.9	-89.0			332	078	5.2	9.2	109.25	2.74	1987	1978
<i>80</i>	334	17964	334	-75.5	-61.9	-87.0			305	082	9.5	11.0	129.51	2.63	1986	1978
<i>70</i>	310	18758	310	-71.4	-55.5	-84.0			282	082	11.6	12.4	141.27	2.85	1989	1978
<i>60</i>	289	19674	288	-65.8	-50.1	-79.9			260	086	12.8	13.3	136.93	3.14	1986	1989
<i>50</i>	251	20807	251	-59.7	-45.1	-77.0			227	085	13.0	13.6	152.79	4.00	1986	1975
<i>40</i>	207	22232	207	-53.9	-38.1	-77.0			183	084	14.7	15.1	190.71	6.14	1989	1975
<i>30</i>	170	24100	170	-48.6	-33.3	-59.7			145	087	16.1	16.6	178.19	3.18	1986	1984
<i>25</i>	135	25280	135	-46.2	-33.1	-57.1			112	087	17.0	17.3	197.06	2.61	1986	1984
<i>20</i>	97	26778	97	-43.8	-34.1	-57.9			77	092	15.7	17.0	148.60	2.28	1988	1984
<i>15</i>	45	28684	45	-42.1	-31.1	-51.5			28	093	18.1	18.8	146.36	2.51	1986	1983
<i>10</i>	21	31429	21	-39.3	-29.3	-48.1			11	089	19.5	19.9	293.36	3.91	1987	1983
<i>7</i>	8	33883	8	-36.3	-27.5	-45.5			4	085	24.1	24.3			1982	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

541 563 488

346 097 1687 -78.0

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	974	619	27.6	37.0	20.0	619	23.4	619	227	4.7	5.1	0.89	0.66	1974	1990
<i>1000</i>	566	-12											13.28			
<i>950</i>	563	419	563	26.2	32.4	19.0	562	22.2	559	232	7.0	8.0	13.72	0.69	1989	1989
<i>900</i>	563	911	563	23.4	34.2	17.0	562	19.7	559	239	8.5	9.6	9.35	0.94	1989	1975
<i>850</i>	563	1408	562	21.0	33.0	14.0	561	16.8	556	234	6.0	8.1	10.42	1.08	1986	1975
<i>800</i>	563	1932	561	18.8	31.2	11.0	554	13.4	550	228	2.3	6.3	11.85	1.06	1990	1975
<i>750</i>	563	2489	559	16.2	26.2	9.0	542	8.9	541	063	0.6	5.6	16.27	1.11	1988	1975
<i>700</i>	563	3066	561	12.8	22.0	4.8	530	4.5	539	037	2.0	5.6	15.45	1.08	1988	1979
<i>650</i>	562	3685	559	9.0	17.6	0.0	523	-0.3	532	036	3.3	6.1	19.02	1.09	1988	1976
<i>600</i>	560	4342	554	4.8	15.0	-6.0	521	-4.5	526	036	3.6	6.5	18.82	1.12	1972	1975
<i>550</i>	553	5057	546	0.4	9.4	-7.9	500	-8.3	516	037	3.4	6.6	25.69	1.20	1990	1979
<i>500</i>	547	5805	537	-3.6	4.2	-13.0	472	-11.9	507	053	2.6	6.3	22.88	1.22	1988	1974
<i>450</i>	541	6640	536	-7.5	4.0	-16.5	423	-16.2	500	072	2.4	6.4	28.81	1.16	1977	1982
<i>400</i>	531	7542	527	-12.5	-3.3	-21.3	369	-21.6	488	079	2.4	6.5	28.76	1.29	1990	1983
<i>350</i>	522	8554	518	-18.8	-10.3	-29.1	317	-28.1	480	084	3.1	6.7	33.02	1.50	1988	1982
<i>300</i>	515	9684	512	-26.5	-15.7	-34.7	283	-35.6	469	091	3.8	6.9	39.73	1.70	1989	1979
<i>250</i>	495	10977	491	-36.5	-20.5	-46.7	186	-44.5	449	098	4.8	7.9	46.24	1.97	1990	1982
<i>200</i>	479	12485	476	-48.9	-34.5	-61.5	4	-57.8	433	099	6.4	9.3	59.88	2.20	1989	1986
<i>175</i>	452	13348	449	-56.3	-41.5	-70.5	1	-57.5	408	098	7.9	10.7	69.14	2.37	1989	1986
<i>150</i>	428	14308	425	-64.0	-48.9	-76.0			388	093	9.7	12.4	78.33	2.45	1989	1977
<i>125</i>	397	15404	397	-71.7	-60.0	-88.5			362	085	12.5	14.5	89.45	2.46	1972	1982
<i>100</i>	362	16697	361	-77.1	-63.5	-88.7			328	080	15.5	16.7	104.70	2.53	1989	1983
<i>80</i>	327	17984	326	-75.5	-58.3	-86.5			292	080	17.8	18.3	110.19	2.84	1989	1981
<i>70</i>	302	18776	301	-71.6	-55.5	-85.5			268	084	18.9	19.2	118.08	3.04	1989	1981
<i>60</i>	272	19689	270	-66.2	-48.7	-78.0			241	084	18.3	18.6	124.22	3.28	1986	1973
<i>50</i>	235	20819	235	-60.9	-40.5	-76.0			209	084	17.9	18.3	135.85	3.38	1986	1971
<i>40</i>	201	22222	200	-55.8	-37.5	-73.0			181	083	19.6	20.0	169.07	3.92	1986	1971
<i>30</i>	163	24080	163	-51.0	-35.3	-70.0			143	087	21.9	22.3	188.30	3.80	1986	1971
<i>25</i>	136	25273	136	-48.5	-33.7	-69.0			113	087	23.2	23.6	235.68	4.48	1986	1971
<i>20</i>	93	26752	93	-45.8	-27.7	-56.5			75	089	22.9	23.1	290.37	4.81	1986	1983
<i>15</i>	55	28633	55	-44.8	-29.5	-52.5			45	089	26.4	26.7	236.14	2.97	1986	1983
<i>10</i>	19	31275	19	-44.3	-35.3	-53.3			13	088	31.0	31.2			1982	1984
<i>7</i>	10	33580	10	-43.6	-39.5	-47.5			6	091	38.4	38.8			1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
547	544	514					343	098	1683	-78.6

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	975	620	26.5	32.2	23.0	619	23.5	620	228	3.5	4.3	0.81	0.84	1987	1976
<i>1000</i>	554	-2											7.63			
<i>950</i>	554	429	552	25.2	31.8	20.2	551	22.0	551	235	6.0	7.6	15.50	0.90	1987	1979
<i>900</i>	554	922	552	22.8	32.8	17.0	550	19.6	549	241	6.7	8.8	9.56	1.18	1990	1975
<i>850</i>	554	1419	552	20.6	30.0	14.0	549	16.6	547	234	3.6	7.0	10.84	1.21	1990	1975
<i>800</i>	554	1942	552	18.4	28.0	12.0	547	13.0	544	201	0.2	5.9	12.32	1.08	1990	1976
<i>750</i>	554	2495	552	15.6	25.8	7.0	541	8.8	538	054	2.3	5.9	16.28	1.01	1990	1972
<i>700</i>	554	3074	554	12.2	22.6	4.4	532	4.6	537	044	3.3	6.1	16.04	1.10	1990	1980
<i>650</i>	553	3692	553	8.5	20.8	1.2	531	-0.1	538	039	3.9	6.5	19.49	1.24	1983	1982
<i>600</i>	551	4348	551	4.5	14.8	-4.1	519	-4.4	534	042	4.1	6.6	20.17	1.32	1988	1979
<i>550</i>	550	5062	546	0.3	10.2	-11.1	492	-7.9	533	051	3.7	6.2	27.99	1.37	1988	1979
<i>500</i>	544	5811	540	-3.4	4.8	-11.1	438	-11.8	531	066	3.2	6.0	24.12	1.21	1990	1984
<i>450</i>	535	6642	532	-7.6	0.6	-14.1	397	-15.9	519	079	3.0	6.3	29.68	1.24	1990	1980
<i>400</i>	531	7547	528	-12.7	-2.5	-20.5	369	-21.6	512	083	3.5	6.6	30.62	1.37	1988	1983
<i>350</i>	518	8558	515	-19.1	-9.1	-27.0	321	-28.1	500	085	3.5	6.6	35.44	1.54	1988	1976
<i>300</i>	507	9686	505	-27.1	-16.1	-37.0	270	-36.1	487	092	3.7	6.9	42.08	1.71	1988	1976
<i>250</i>	490	10977	485	-37.2	-23.0	-45.5	179	-45.4	467	094	4.0	7.0	50.57	1.89	1975	1990
<i>200</i>	479	12477	476	-49.8	-33.5	-59.3	5	-57.4	456	100	5.9	8.8	59.75	2.27	1988	1985
<i>175</i>	465	13336	462	-57.2	-43.5	-67.5	2	-66.7	442	096	7.1	10.1	70.40	2.40	1988	1989
<i>150</i>	436	14295	435	-65.0	-49.9	-75.0			415	094	8.9	11.4	84.48	2.80	1988	1977
<i>125</i>	404	15387	404	-72.6	-56.1	-83.7			384	085	11.4	13.3	100.29	2.74	1988	1985
<i>100</i>	373	16686	372	-76.9	-63.3	-87.5			352	081	14.4	15.5	119.27	2.04	1988	1979
<i>80</i>	340	17976	339	-73.9	-53.9	-89.1			321	080	15.9	16.5	122.35	2.61	1989	1982
<i>70</i>	309	18774	308	-69.8	-51.1	-82.9			284	082	16.7	17.1	126.38	3.38	1989	1980
<i>60</i>	277	19704	276	-65.2	-46.7	-77.1			255	086	16.9	17.2	127.76	3.23	1989	1980
<i>50</i>	244	20818	244	-60.5	-43.5	-73.0			226	084	16.8	17.2	138.10	3.02	1989	1973
<i>40</i>	190	22241	190	-56.3	-40.9	-75.0			171	083	18.8	19.1	152.80	3.85	1983	1978
<i>30</i>	149	24096	149	-51.7	-37.5	-68.0			133	087	21.2	21.7	182.95	3.48	1980	1973
<i>25</i>	131	25276	131	-49.3	-40.5	-66.0			112	087	22.8	23.1	207.43	3.87	1983	1973
<i>20</i>	80	26782	80	-46.3	-34.1	-58.7			69	089	25.0	25.4	225.37	2.64	1987	1988
<i>15</i>	54	28715	54	-44.3	-30.9	-56.3			46	091	27.8	28.1	223.83	2.41	1990	1988
<i>10</i>	22	31435	22	-42.2	-31.7	-52.9			12	091	34.1	34.4	375.18	3.45	1990	1988
<i>7</i>	8	34033	8	-39.9	-37.5	-45.5			3	088	38.6	38.7			1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

543 545 515

352 104 1651 -78.2

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	980	600	25.5	31.0	19.0	600	20.6	600	234	2.4	3.4	1.05	1.14	1987	1972
<i>1000</i>	565	39											8.13			
<i>950</i>	562	465	562	25.1	37.0	19.2	562	18.7	556	243	4.9	6.8	12.77	1.11	1987	1987
<i>900</i>	562	962	562	23.3	30.0	16.2	560	15.3	555	244	5.1	7.0	7.97	1.16	1972	1987
<i>850</i>	562	1459	561	20.7	31.8	12.0	549	11.6	558	241	2.6	5.6	8.89	1.21	1987	1990
<i>800</i>	562	1980	559	17.7	28.4	8.0	532	7.2	558	267	0.4	4.9	10.04	1.25	1988	1975
<i>750</i>	562	2525	557	13.9	25.2	1.0	513	2.5	554	030	1.3	5.1	13.05	1.26	1988	1972
<i>700</i>	562	3106	558	9.8	20.8	1.0	491	-1.7	551	032	2.5	5.6	13.52	1.48	1988	1975
<i>650</i>	557	3716	555	5.7	15.4	-6.9	463	-5.8	548	029	3.2	5.9	19.60	1.65	1990	1980
<i>600</i>	558	4367	553	1.9	12.6	-8.1	401	-8.8	546	024	3.0	6.1	17.85	1.69	1990	1979
<i>550</i>	550	5077	547	-1.6	8.2	-12.3	339	-12.3	542	013	1.8	5.8	28.13	1.75	1990	1990
<i>500</i>	545	5819	541	-4.9	4.2	-17.3	264	-16.5	533	301	1.3	6.0	23.40	1.53	1989	1982
<i>450</i>	540	6648	535	-9.3	1.6	-21.0	224	-21.0	528	273	2.5	6.8	29.06	1.43	1987	1975
<i>400</i>	532	7546	528	-14.8	-3.9	-30.0	197	-26.4	520	267	3.8	7.4	32.21	1.66	1987	1974
<i>350</i>	526	8550	526	-21.5	-11.3	-33.0	181	-32.8	516	261	5.2	8.3	39.04	1.84	1986	1974
<i>300</i>	519	9667	519	-29.5	-18.7	-39.7	169	-40.3	508	257	6.2	8.9	45.48	1.91	1987	1980
<i>250</i>	499	10944	499	-39.4	-27.9	-50.9	116	-48.1	488	251	6.5	9.4	57.91	2.10	1987	1980
<i>200</i>	486	12433	486	-51.6	-38.5	-63.7	3	-58.6	473	236	6.2	9.9	74.06	2.31	1987	1980
<i>175</i>	467	13289	467	-58.5	-43.3	-71.0	1	-61.7	451	227	5.6	9.8	82.85	2.44	1987	1976
<i>150</i>	451	14241	451	-65.9	-52.1	-76.0			433	217	4.1	9.0	95.03	2.48	1989	1976
<i>125</i>	414	15328	414	-73.2	-58.1	-82.5			393	174	1.5	7.7	110.24	2.43	1987	1990
<i>100</i>	383	16619	383	-77.0	-63.1	-87.7			362	086	4.2	7.7	124.26	1.94	1989	1985
<i>80</i>	340	17911	340	-73.4	-59.9	-85.5			320	082	6.9	8.5	123.77	2.77	1987	1983
<i>70</i>	310	18709	310	-69.0	-55.9	-81.9			291	081	8.6	9.5	129.77	2.81	1987	1990
<i>60</i>	280	19636	280	-64.4	-49.9	-76.9			261	083	10.0	10.7	124.96	2.63	1987	1990
<i>50</i>	241	20767	241	-59.7	-43.3	-77.0			224	081	11.2	11.8	139.52	2.84	1987	1972
<i>40</i>	200	22178	200	-55.6	-37.1	-76.0			178	082	12.9	13.4	158.00	3.61	1987	1972
<i>30</i>	137	24036	137	-51.1	-35.9	-67.0			124	085	15.6	16.0	183.07	4.94	1986	1972
<i>25</i>	110	25210	110	-48.8	-32.1	-64.0			99	091	16.6	17.0	202.74	4.70	1987	1972
<i>20</i>	76	26697	76	-46.0	-30.1	-56.3			65	093	17.5	18.3	161.07	1.87	1987	1988
<i>15</i>	46	28614	46	-44.3	-30.5	-54.1			38	089	19.4	19.6	269.87	2.64	1987	1988
<i>10</i>	15	31366	15	-42.6	-29.5	-50.9			11	084	22.1	23.0			1987	1988
<i>7</i>	3	34439	3	-34.4	-26.7	-41.5			1	108	34.0	34.0			1987	1984

FREEZING LEVEL

N	P	ALT
549	572	476

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
363	105	1639	-78.2

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	984	620	21.9	36.0	13.4	620	12.6	619	284	0.2	2.5	0.92	1.02	1974	1983
<i>1000</i>	595	83											9.63			
<i>950</i>	593	508	593	24.5	32.4	15.4	568	9.7	589	260	1.4	5.4	18.11	1.23	1985	1990
<i>900</i>	593	1002	593	23.1	30.6	12.6	548	5.9	582	265	2.0	5.4	9.84	1.11	1985	1990
<i>850</i>	593	1496	593	19.4	28.2	9.0	535	2.7	587	279	1.9	4.6	10.06	1.06	1985	1974
<i>800</i>	593	2013	592	15.2	26.0	5.2	532	-0.2	585	296	1.9	4.6	10.62	1.13	1977	1979
<i>750</i>	593	2550	590	10.8	19.8	2.8	512	-3.3	585	313	2.1	4.9	15.83	1.13	1990	1990
<i>700</i>	593	3126	591	6.6	16.4	-4.0	460	-7.1	586	331	2.7	5.7	11.54	1.23	1990	1974
<i>650</i>	586	3729	584	2.8	11.0	-7.0	371	-10.7	577	332	3.3	6.0	16.58	1.55	1973	1972
<i>600</i>	582	4373	577	-0.6	7.2	-12.0	284	-14.5	573	314	4.2	7.1	12.54	1.68	1990	1972
<i>550</i>	578	5073	573	-4.4	4.4	-16.5	216	-18.8	567	296	5.4	8.1	16.28	1.78	1990	1980
<i>500</i>	574	5809	571	-8.7	1.0	-20.1	181	-23.1	563	285	7.8	10.3	17.05	1.89	1990	1990
<i>450</i>	565	6622	563	-13.7	-3.3	-25.5	170	-27.8	556	281	10.7	13.2	20.12	2.09	1990	1980
<i>400</i>	562	7504	561	-19.6	-8.1	-31.9	160	-32.6	553	275	13.5	15.6	28.07	2.22	1990	1988
<i>350</i>	554	8490	552	-26.5	-14.3	-40.1	153	-38.2	545	271	16.8	18.8	34.57	2.34	1990	1988
<i>300</i>	549	9581	547	-34.2	-20.9	-47.3	134	-44.3	542	266	19.7	21.7	44.34	2.48	1990	1988
<i>250</i>	536	10834	536	-43.3	-30.1	-55.9	44	-50.8	530	261	22.7	24.6	58.96	2.39	1990	1982
<i>200</i>	514	12303	514	-54.2	-40.7	-64.1			506	256	23.8	25.6	71.06	2.29	1990	1985
<i>175</i>	495	13144	495	-60.4	-46.7	-71.0			478	256	22.5	24.4	78.18	2.19	1990	1971
<i>150</i>	469	14089	469	-66.7	-54.1	-76.7			452	255	20.9	22.7	86.01	2.23	1990	1984
<i>125</i>	441	15174	440	-72.3	-53.0	-83.0			423	255	16.7	18.2	93.79	2.19	1975	1977
<i>100</i>	415	16469	414	-75.9	-63.7	-92.0			394	259	10.2	12.4	99.14	1.94	1986	1978
<i>80</i>	369	17759	368	-73.1	-60.3	-91.0			353	266	4.1	8.0	98.15	2.21	1985	1978
<i>70</i>	345	18557	345	-69.5	-55.9	-84.0			327	276	0.8	6.8	99.33	2.14	1985	1977
<i>60</i>	320	19478	320	-65.2	-51.1	-78.0			301	068	1.7	6.3	96.58	2.23	1985	1975
<i>50</i>	276	20603	276	-60.8	-44.3	-73.0			258	072	3.1	6.0	94.99	2.37	1985	1977
<i>40</i>	208	22004	208	-56.6	-41.1	-69.0			194	077	4.8	6.9	126.10	2.59	1985	1977
<i>30</i>	142	23845	142	-52.1	-32.5	-62.7			131	087	4.8	7.4	147.41	3.51	1985	1984
<i>25</i>	101	25039	101	-50.3	-38.1	-61.9			93	086	5.0	7.3	159.99	4.36	1986	1984
<i>20</i>	71	26509	71	-47.6	-36.3	-58.1			64	084	4.6	8.2	234.87	3.48	1986	1984
<i>15</i>	46	28406	46	-45.0	-32.5	-56.9			36	088	3.1	7.1	257.34	4.14	1987	1984
<i>10</i>	16	31048	16	-43.1	-37.7	-52.3			11	243	2.5	8.3			1990	1984
<i>7</i>	2	33023	2	-42.2	-34.9	-49.5			1	052	2.0	2.0			1982	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
576	510	426	9	159	1322	-61.6	389	104	1628	-76.9

NORMALS OF RADIOSONDE DATA

42339 JODHPUR

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	988	600	16.7	24.0	8.0	599	7.1	600	045	2.0	2.7	1.34	1.73	1976	1978
<i>1000</i>	567	118											9.55			
<i>950</i>	562	536	562	20.7	28.0	9.0	531	5.0	559	070	2.1	4.6	15.59	1.34	1973	1977
<i>900</i>	562	1023	562	18.9	26.2	7.0	505	2.0	559	040	0.8	4.2	8.87	1.08	1987	1988
<i>850</i>	562	1510	562	15.2	23.4	4.8	490	-0.5	560	312	1.2	4.2	9.60	0.99	1980	1988
<i>800</i>	562	2020	561	11.5	19.4	1.4	442	-3.2	558	307	2.0	4.6	10.13	1.07	1987	1988
<i>750</i>	562	2556	561	8.1	18.0	-2.9	388	-6.0	555	306	2.9	5.4	13.79	1.24	1972	1980
<i>700</i>	562	3122	560	5.1	18.0	-4.0	318	-9.4	553	300	3.9	6.3	12.30	1.38	1990	1975
<i>650</i>	557	3726	555	1.9	11.2	-7.1	246	-12.0	549	290	5.5	7.6	17.93	1.44	1987	1988
<i>600</i>	554	4364	551	-1.6	7.0	-10.9	204	-15.3	545	281	7.7	9.6	16.73	1.28	1973	1988
<i>550</i>	546	5060	542	-5.8	4.0	-15.0	179	-19.4	537	278	10.4	12.1	18.84	1.32	1973	1977
<i>500</i>	542	5793	539	-10.7	-2.0	-21.0	165	-23.6	530	276	13.4	15.1	21.56	1.17	1973	1974
<i>450</i>	534	6596	533	-16.3	-8.0	-25.5	160	-28.3	527	274	16.6	18.4	23.10	1.13	1973	1986
<i>400</i>	529	7472	527	-22.5	-11.9	-33.7	153	-34.0	519	272	20.0	22.0	28.29	1.42	1987	1979
<i>350</i>	526	8446	524	-29.5	-20.5	-38.7	146	-40.0	516	271	24.0	26.3	30.11	1.50	1987	1988
<i>300</i>	519	9525	517	-37.3	-28.0	-47.5	109	-46.5	511	268	28.8	31.2	37.80	1.58	1977	1985
<i>250</i>	507	10760	505	-46.2	-35.3	-57.9	3	-50.6	496	265	33.0	35.5	44.70	1.58	1987	1986
<i>200</i>	487	12215	487	-55.6	-45.3	-68.1	1	-52.9	476	262	35.3	37.7	53.30	1.85	1987	1986
<i>175</i>	464	13055	463	-60.9	-50.9	-69.7	1	-58.7	449	261	34.7	36.7	56.69	2.08	1989	1983
<i>150</i>	438	14002	436	-66.0	-54.1	-76.9			423	260	31.3	32.9	61.32	2.10	1989	1990
<i>125</i>	408	15091	407	-70.9	-61.0	-84.5			391	262	27.1	28.4	65.44	2.03	1974	1990
<i>100</i>	380	16397	380	-74.9	-63.9	-85.0			368	263	20.1	21.2	72.69	1.73	1984	1978
<i>80</i>	335	17689	335	-74.7	-62.5	-84.5			317	271	12.5	14.1	79.33	1.98	1985	1987
<i>70</i>	312	18476	312	-72.2	-60.5	-85.1			298	275	8.5	10.9	85.19	2.14	1985	1987
<i>60</i>	286	19383	286	-68.1	-56.0	-83.9			266	280	4.9	8.4	87.89	2.32	1973	1987
<i>50</i>	242	20488	242	-63.6	-51.9	-75.1			229	299	2.6	7.0	91.49	2.62	1985	1987
<i>40</i>	189	21875	189	-59.0	-48.3	-70.3			181	297	2.2	6.6	124.69	2.72	1990	1979
<i>30</i>	136	23699	136	-54.8	-41.7	-65.1			128	300	1.6	6.5	144.15	3.22	1990	1979
<i>25</i>	101	24873	101	-52.4	-39.1	-62.5			88	293	1.9	6.5	131.56	3.17	1990	1987
<i>20</i>	52	26308	52	-49.9	-39.3	-59.9			48	275	3.0	7.2	101.42	2.45	1990	1984
<i>15</i>	29	28150	29	-47.7	-36.3	-56.5			22	275	2.8	8.1	112.31	2.17	1986	1988
<i>10</i>	7	30926	7	-43.4	-35.1	-47.7			6	328	3.9	9.8			1982	1982
<i>7</i>	2	33280	2	-44.4	-43.9	-44.9			2	288	17.8	18.0			1982	1982

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

555	625	406		30	182	1283	-64.2		342	100	1646	-76.1
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NORMALS OF RADIOSONDE DATA

42339 JODHPUR

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	990	619	12.9	19.4	2.4	619	3.6	619	046	3.0	3.3	0.81	0.91	1984	1990
<i>1000</i>	553	139											7.54			
<i>950</i>	550	550	544	16.4	25.0	4.6	523	2.4	550	063	3.1	4.9	17.89	1.68	1978	1990
<i>900</i>	550	1031	547	14.6	23.0	2.0	500	-0.3	550	036	1.0	4.2	10.81	1.53	1974	1990
<i>850</i>	550	1512	549	11.8	20.0	-1.7	443	-2.8	550	301	1.5	4.4	14.35	1.71	1972	1990
<i>800</i>	550	2017	549	9.1	18.0	-5.9	376	-5.3	547	287	2.8	5.3	16.80	1.76	1973	1990
<i>750</i>	550	2549	550	6.4	14.8	-6.7	327	-7.9	544	280	4.4	6.6	22.59	1.64	1987	1990
<i>700</i>	550	3111	550	3.4	11.2	-8.5	278	-11.2	541	273	6.4	8.1	21.63	1.59	1987	1990
<i>650</i>	548	3711	546	0.1	9.0	-12.1	241	-14.1	530	271	8.8	10.4	27.01	1.59	1985	1990
<i>600</i>	542	4347	535	-3.7	5.4	-16.3	218	-17.4	529	269	11.7	13.1	23.84	1.58	1985	1990
<i>550</i>	541	5034	536	-8.0	1.6	-20.1	206	-20.9	529	269	14.5	15.9	30.84	1.58	1990	1990
<i>500</i>	536	5763	532	-12.9	-1.7	-23.0	195	-25.5	524	269	17.8	19.3	30.67	1.51	1988	1972
<i>450</i>	533	6560	529	-18.5	-10.0	-28.3	179	-29.6	520	269	21.4	22.9	35.71	1.63	1972	1989
<i>400</i>	528	7429	525	-24.7	-14.7	-34.7	176	-35.0	515	268	25.3	26.9	37.86	1.78	1983	1990
<i>350</i>	517	8395	515	-31.8	-22.5	-42.1	158	-40.7	503	268	29.6	31.5	46.09	1.90	1983	1990
<i>300</i>	509	9461	505	-39.6	-29.5	-50.5	93	-46.6	494	267	34.5	36.6	49.77	2.13	1987	1990
<i>250</i>	496	10685	493	-48.2	-37.9	-61.1	13	-53.6	473	265	39.6	42.0	58.00	2.28	1987	1988
<i>200</i>	472	12126	471	-57.2	-45.0	-68.7	1	-54.7	444	264	41.8	44.2	68.27	2.34	1973	1979
<i>175</i>	437	12966	436	-61.4	-49.9	-73.9	1	-62.3	410	264	40.2	42.1	76.93	2.40	1986	1979
<i>150</i>	395	13914	393	-65.0	-53.0	-79.3			364	265	37.2	38.8	83.48	2.26	1973	1979
<i>125</i>	359	15015	359	-69.1	-59.0	-82.1			327	266	32.2	33.5	91.44	2.08	1973	1988
<i>100</i>	325	16339	325	-72.8	-60.0	-87.7			294	265	26.1	27.3	103.97	2.32	1974	1988
<i>80</i>	282	17645	281	-73.5	-60.7	-86.0			254	267	18.5	19.8	108.45	2.40	1985	1971
<i>70</i>	261	18428	261	-71.8	-58.1	-85.0			235	267	13.8	15.7	111.95	2.32	1985	1971
<i>60</i>	226	19334	226	-68.4	-55.5	-85.1			207	271	10.0	12.1	114.29	2.52	1985	1987
<i>50</i>	198	20445	198	-64.5	-51.9	-80.5			173	273	6.9	9.9	111.75	2.62	1984	1987
<i>40</i>	145	21829	145	-60.8	-46.5	-75.9			128	280	5.6	9.4	136.41	2.98	1985	1987
<i>30</i>	95	23609	95	-57.5	-40.7	-72.5			80	285	3.5	8.1	152.29	3.91	1980	1987
<i>25</i>	62	24751	62	-54.9	-43.3	-71.5			52	274	5.0	8.7	200.41	4.41	1982	1987
<i>20</i>	30	26206	30	-53.3	-40.3	-70.1			27	274	7.6	12.0	266.93	5.77	1982	1987
<i>15</i>	11	28122	11	-49.7	-31.9	-58.7			10	288	7.7	14.5			1982	1988
<i>10</i>	5	30713	5	-50.9	-42.5	-55.1			5	269	19.8	20.0			1980	1988
<i>7</i>	3	32907	3	-49.8	-45.5	-53.1			2	274	22.9	23.5			1982	1984

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

543 653 369 101 192 1242 -62.5 284 098 1657 -74.7

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

JANUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	372	1011	372	23.8	26.4	19.0	372	20.7	372	039	3.1	3.5	0.91	0.49	1987	1990
1000	348	106	348	23.4	26.0	20.0	347	20.2	348	038	4.8	5.4	8.12	0.41	1979	1990
950	348	509	348	21.0	25.8	14.4	347	16.3	348	047	6.0	6.5	8.04	0.46	1985	1989
900	348	1019	348	18.0	25.2	12.8	345	12.2	347	055	6.4	7.0	7.98	0.67	1985	1982
850	348	1507	348	15.4	23.0	8.8	336	6.8	347	061	5.7	6.6	8.09	0.90	1985	1989
800	348	2020	348	13.5	20.6	6.0	299	1.7	348	065	4.9	6.5	8.54	0.99	1989	1989
750	348	2555	348	11.7	18.8	5.0	223	-2.4	348	072	3.8	5.8	12.49	1.27	1990	1984
700	348	3136	348	9.4	17.8	2.4	177	-6.6	348	077	3.2	5.6	10.35	1.13	1990	1979
650	348	3742	348	6.3	14.4	-1.1	130	-7.8	347	079	3.3	5.7	17.51	1.11	1988	1979
600	348	4398	347	2.7	10.0	-2.3	115	-10.6	346	079	3.2	5.9	13.56	1.06	1989	1984
550	347	5111	346	-1.2	6.0	-8.3	98	-13.4	344	077	2.9	6.4	20.90	1.18	1980	1979
500	345	5851	344	-5.6	0.6	-13.7	86	-16.6	342	079	2.2	6.7	17.63	1.26	1990	1979
450	341	6671	341	-10.3	-3.5	-19.1	74	-21.8	336	072	1.3	7.3	25.54	1.30	1990	1979
400	339	7569	339	-15.9	-8.5	-23.3	57	-26.8	335	006	0.7	8.2	24.08	1.35	1984	1979
350	336	8559	336	-22.6	-15.1	-29.1	54	-33.7	332	267	1.5	8.8	29.02	1.47	1990	1979
300	333	9679	333	-30.8	-22.5	-38.3	44	-39.6	330	233	3.7	9.7	34.05	1.59	1990	1982
250	330	10947	330	-41.0	-32.3	-49.1	16	-48.7	324	215	6.5	11.5	42.43	1.68	1990	1982
200	325	12425	325	-53.4	-44.1	-64.9			316	209	8.1	13.8	51.55	1.66	1985	1982
175	301	13273	301	-60.3	-50.7	-68.5			292	212	7.1	14.0	60.06	1.60	1990	1985
150	280	14219	280	-67.4	-57.7	-77.3			272	209	5.8	13.3	67.01	1.49	1990	1989
125	238	15307	238	-73.4	-55.9	-84.7			233	205	2.9	11.9	77.37	1.81	1989	1980
100	213	16596	213	-78.3	-65.1	-87.9			210	117	1.8	9.0	85.61	1.66	1989	1979
80	157	17888	157	-76.4	-63.3	-87.3			150	113	1.5	6.7	107.33	2.26	1990	1979
70	144	18671	144	-72.4	-58.7	-81.9			141	333	0.8	6.8	116.18	2.25	1990	1988
60	119	19591	119	-67.7	-52.3	-77.5			115	321	0.2	7.8	111.57	2.21	1990	1983
50	106	20697	106	-62.3	-44.7	-73.1			103	098	1.6	9.5	123.57	2.36	1990	1979
40	76	22125	76	-57.2	-42.1	-67.1			71	098	4.7	10.8	170.26	1.99	1990	1984
30	59	23956	59	-52.4	-42.1	-60.1			58	094	7.5	13.4	203.58	2.18	1990	1984
25	40	25106	40	-50.6	-41.5	-59.1			37	087	11.2	16.2	200.43	2.50	1990	1984
20	30	26567	30	-48.1	-40.9	-56.9			29	089	9.9	15.2	187.56	1.95	1990	1984
15	15	28504	15	-44.5	-38.9	-51.5			14	082	11.2	14.6			1981	1981
10	4	31186	4	-44.0	-40.7	-49.9			4	065	11.0	19.0			1983	1981
7	1	33900	1	-38.5	-38.5	-38.5			1	326	5.0	5.0			1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

348 564 489

181 098 1672 -80.5

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

FEBRUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	338	1010	338	24.3	27.4	18.6	338	21.4	338	059	1.8	2.6	1.53	0.73	1988	1989
<i>1000</i>	308	95	308	24.0	27.4	19.6	308	20.8	308	066	2.7	4.0	11.97	0.75	1988	1989
<i>950</i>	308	505	308	21.8	27.6	16.8	308	17.2	308	078	3.6	5.2	6.54	0.90	1988	1979
<i>900</i>	308	1012	308	19.5	26.8	14.0	299	10.5	308	073	4.5	6.0	10.60	1.01	1990	1979
<i>850</i>	308	1502	308	17.4	25.6	9.8	274	3.6	308	066	4.9	6.5	10.34	1.20	1990	1987
<i>800</i>	308	2018	308	14.9	23.4	8.6	228	0.5	307	059	4.8	6.5	10.38	1.18	1990	1979
<i>750</i>	308	2552	308	12.0	21.2	4.6	189	-2.4	306	054	4.2	6.1	14.26	1.26	1990	1985
<i>700</i>	308	3135	308	9.2	18.4	1.8	151	-5.7	307	059	3.2	5.7	12.23	1.29	1990	1985
<i>650</i>	307	3737	306	6.2	16.6	1.2	124	-8.6	306	067	2.3	5.9	19.62	1.26	1984	1979
<i>600</i>	306	4396	305	2.7	11.6	-3.9	94	-10.9	304	069	1.7	6.1	15.36	1.25	1990	1988
<i>550</i>	305	5113	304	-1.3	7.0	-10.9	79	-15.0	302	063	1.2	6.4	18.93	1.26	1990	1983
<i>500</i>	304	5848	304	-5.5	1.8	-13.5	63	-18.6	303	055	0.9	6.7	19.65	1.32	1987	1979
<i>450</i>	300	6669	300	-10.2	-0.3	-17.1	55	-22.3	299	332	0.8	7.7	26.32	1.44	1987	1988
<i>400</i>	298	7566	298	-15.8	-6.9	-23.5	45	-27.9	297	314	2.3	9.3	27.31	1.53	1990	1988
<i>350</i>	292	8561	292	-22.5	-13.7	-31.1	32	-33.8	291	286	3.4	9.8	31.78	1.80	1990	1988
<i>300</i>	289	9678	289	-30.4	-21.1	-39.7	22	-40.9	286	253	4.9	10.6	41.06	2.06	1990	1988
<i>250</i>	282	10947	282	-40.6	-30.7	-51.3	7	-47.9	279	242	5.5	10.9	51.25	2.30	1990	1982
<i>200</i>	275	12428	275	-52.9	-43.1	-62.5			271	234	5.2	12.4	66.27	2.56	1990	1982
<i>175</i>	264	13273	264	-60.0	-50.1	-69.3			259	218	4.8	13.4	78.90	2.77	1990	1979
<i>150</i>	254	14218	254	-67.0	-52.7	-77.1			248	221	3.5	12.4	89.84	2.70	1990	1979
<i>125</i>	224	15300	224	-73.8	-62.5	-83.3			219	196	2.1	11.4	95.58	2.60	1984	1979
<i>100</i>	205	16578	205	-79.1	-68.1	-88.1			202	061	1.1	8.4	112.88	2.43	1990	1979
<i>80</i>	170	17843	170	-77.7	-63.1	-87.7			165	017	0.8	6.6	114.09	2.30	1984	1979
<i>70</i>	163	18621	163	-74.0	-60.7	-86.5			156	293	1.8	6.9	118.58	2.36	1983	1979
<i>60</i>	144	19526	144	-69.2	-56.1	-81.3			138	271	3.5	8.0	128.47	2.15	1981	1982
<i>50</i>	140	20631	140	-64.0	-49.1	-75.5			133	260	2.0	8.9	134.39	1.85	1990	1989
<i>40</i>	108	22016	108	-59.0	-48.5	-67.5			100	139	0.8	10.4	143.50	2.38	1990	1984
<i>30</i>	86	23836	86	-53.7	-43.1	-63.5			80	089	4.3	12.3	152.49	3.11	1981	1984
<i>25</i>	58	25018	58	-51.3	-42.7	-61.5			52	087	8.6	15.0	149.19	3.38	1990	1984
<i>20</i>	39	26503	39	-48.8	-39.5	-58.5			35	092	12.1	19.5	260.33	3.80	1980	1984
<i>15</i>	23	28378	23	-45.6	-36.5	-55.1			20	087	15.8	21.5	271.89	3.57	1990	1984
<i>10</i>	9	31050	9	-44.3	-33.3	-50.1			8	083	30.8	32.3			1984	1984
<i>7</i>	3	33318	3	-44.5	-40.7	-46.9			3	087	40.7	41.0			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

303	565	488														
												184	096	1679	-81.4	

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

MARCH 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	1009	372	25.8	29.0	20.8	372	23.4	372	118	1.3	2.3	0.91	0.63	1988	1989
1000	359	87	359	25.5	29.0	20.6	359	22.8	359	125	2.0	3.8	7.03	0.63	1990	1987
950	359	501	359	23.4	32.0	18.0	359	18.5	357	138	2.9	4.9	8.36	0.84	1990	1986
900	359	1009	359	21.3	29.0	16.0	346	10.5	355	120	3.0	5.0	6.90	0.80	1982	1988
850	359	1502	359	19.1	26.4	11.0	326	3.7	355	085	3.6	5.3	7.34	1.09	1990	1982
800	359	2020	359	16.1	24.4	10.0	307	-1.0	355	067	5.0	6.4	8.37	1.12	1990	1982
750	359	2552	359	12.7	21.0	3.0	272	-3.9	354	059	5.7	7.1	12.41	1.07	1983	1981
700	359	3140	359	9.1	16.6	2.6	238	-6.8	355	053	5.2	6.9	11.38	1.09	1983	1982
650	357	3737	356	5.8	13.2	-2.5	184	-9.5	350	057	4.0	6.5	18.44	1.16	1990	1979
600	353	4400	352	2.6	10.0	-2.9	129	-13.3	347	067	3.0	6.3	15.80	1.29	1990	1979
550	350	5114	350	-1.1	7.8	-6.9	94	-15.8	344	079	2.3	6.5	21.89	1.28	1990	1981
500	349	5852	349	-5.3	4.0	-11.7	84	-19.3	345	077	1.4	6.9	21.09	1.44	1990	1979
450	348	6673	348	-10.0	-1.1	-17.1	66	-22.8	345	336	0.5	7.2	31.79	1.58	1990	1983
400	347	7573	347	-15.5	-7.1	-22.7	57	-27.7	345	260	2.2	8.2	29.60	1.77	1988	1981
350	342	8568	342	-22.0	-11.7	-29.5	47	-33.3	340	265	3.5	9.3	37.35	1.64	1990	1981
300	341	9687	341	-30.0	-20.1	-38.5	33	-40.0	339	252	5.0	10.5	45.08	1.76	1990	1981
250	337	10960	337	-40.0	-29.7	-48.3	7	-48.4	336	242	6.9	11.9	54.37	1.96	1990	1980
200	332	12443	332	-52.3	-43.7	-60.1			328	240	7.7	13.4	64.72	2.11	1990	1986
175	322	13293	322	-59.0	-50.1	-68.5			317	243	7.7	13.7	70.84	2.33	1990	1982
150	308	14240	308	-66.1	-56.3	-77.5			298	250	6.5	12.7	75.23	2.58	1990	1982
125	268	15321	268	-73.0	-62.3	-83.9			257	250	4.1	10.8	84.46	2.75	1985	1982
100	246	16607	245	-78.7	-69.5	-86.9			237	266	0.9	8.6	99.33	2.76	1985	1979
80	194	17871	194	-77.6	-67.9	-86.7			191	073	1.3	7.2	112.67	2.93	1985	1987
70	189	18648	189	-74.0	-60.1	-83.1			185	261	0.5	6.7	136.77	2.70	1980	1987
60	168	19551	168	-69.8	-51.5	-78.7			166	268	2.2	7.8	142.45	3.55	1980	1987
50	161	20646	161	-64.4	-50.7	-75.1			157	255	2.1	8.9	156.08	3.35	1980	1979
40	113	22023	113	-59.3	-48.7	-72.1			110	136	1.3	10.4	163.72	3.32	1990	1979
30	94	23843	94	-53.8	-41.7	-65.1			90	091	8.1	14.2	138.20	3.38	1981	1979
25	70	25012	70	-51.2	-37.5	-61.7			65	094	9.3	14.7	175.74	4.16	1981	1988
20	53	26471	53	-48.7	-32.3	-68.9			48	091	11.6	17.6	159.71	3.66	1981	1984
15	24	28378	24	-45.1	-37.9	-55.3			21	085	14.1	19.8	169.14	4.30	1987	1988
10	11	31050	11	-41.1	-36.1	-46.1			11	093	15.8	22.4			1980	1984
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

350 565 489

207 095 1692 -81.2

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

APRIL 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	330	1007	330	27.4	29.2	23.4	330	25.3	330	180	1.7	2.3	0.74	0.34	1982	1983
<i>1000</i>	320	68	320	27.1	29.2	23.8	320	24.8	319	182	2.7	3.6	6.27	0.33	1990	1983
<i>950</i>	320	488	320	25.3	31.0	20.4	319	21.7	319	184	4.7	6.0	8.87	0.62	1985	1979
<i>900</i>	320	996	320	23.1	29.4	18.0	317	15.0	318	180	3.3	5.0	4.64	0.70	1985	1980
<i>850</i>	320	1493	320	20.7	28.2	12.6	302	8.9	319	105	1.9	4.2	3.62	1.00	1985	1982
<i>800</i>	320	2014	320	17.9	25.4	11.4	283	2.7	317	068	4.3	5.6	3.58	1.17	1985	1982
<i>750</i>	320	2549	320	14.3	22.2	6.8	262	-1.5	317	059	6.8	7.7	8.27	1.25	1985	1983
<i>700</i>	320	3140	320	10.5	17.8	5.0	246	-5.1	314	056	7.4	8.3	7.35	1.40	1985	1979
<i>650</i>	319	3741	319	6.7	13.8	0.6	218	-8.6	313	053	6.8	8.0	11.82	1.42	1985	1989
<i>600</i>	317	4406	317	3.4	11.2	-5.9	173	-11.5	310	060	5.2	7.0	13.49	1.36	1990	1990
<i>550</i>	316	5122	316	-0.2	7.6	-7.1	131	-14.3	310	072	4.3	6.3	20.88	1.50	1990	1979
<i>500</i>	315	5863	315	-4.4	3.8	-12.9	106	-17.6	310	081	3.8	6.5	20.91	1.50	1990	1980
<i>450</i>	311	6686	311	-9.2	-0.9	-16.9	87	-21.6	306	078	2.9	6.8	29.03	1.55	1990	1979
<i>400</i>	310	7588	310	-14.8	-6.3	-22.9	80	-26.1	304	077	1.9	7.8	31.02	1.75	1990	1979
<i>350</i>	306	8584	306	-21.4	-12.5	-30.1	67	-32.1	298	299	0.2	8.6	34.68	1.83	1990	1979
<i>300</i>	303	9707	303	-29.4	-19.7	-37.9	56	-39.5	295	245	2.4	9.2	46.04	2.10	1990	1979
<i>250</i>	298	10982	298	-39.4	-28.1	-48.1	23	-48.7	289	227	5.1	10.4	56.97	2.37	1990	1986
<i>200</i>	287	12471	287	-51.6	-40.3	-62.9			277	216	6.9	11.9	76.25	2.72	1990	1986
<i>175</i>	272	13320	272	-58.7	-49.5	-69.3			264	214	6.5	11.8	87.39	2.88	1990	1986
<i>150</i>	255	14271	255	-66.0	-56.1	-77.1			248	214	5.4	11.4	99.21	2.91	1985	1982
<i>125</i>	216	15348	216	-73.2	-60.7	-82.7			210	204	1.6	9.4	112.47	2.97	1989	1979
<i>100</i>	194	16626	194	-79.3	-67.5	-87.5			190	088	4.2	9.0	139.10	3.04	1990	1986
<i>80</i>	155	17902	155	-77.2	-66.1	-87.5			153	095	4.5	8.0	156.98	2.65	1985	1982
<i>70</i>	145	18684	145	-72.9	-58.7	-85.5			140	094	2.3	7.8	159.04	2.40	1986	1979
<i>60</i>	126	19593	126	-66.9	-54.1	-77.1			123	087	1.1	8.5	165.43	2.66	1990	1979
<i>50</i>	116	20710	116	-61.0	-46.1	-69.3			110	098	2.1	9.4	174.20	2.99	1990	1979
<i>40</i>	84	22127	84	-55.3	-40.5	-64.1			80	096	6.9	11.2	203.56	2.76	1982	1982
<i>30</i>	64	23995	64	-49.6	-40.3	-59.9			57	089	13.8	15.9	231.77	2.44	1982	1982
<i>25</i>	36	25203	36	-46.7	-37.1	-58.1			32	088	16.7	18.5	251.76	2.81	1989	1988
<i>20</i>	23	26670	23	-43.9	-36.1	-52.1			19	087	17.8	19.9	290.99	2.61	1981	1982
<i>15</i>	7	28469	7	-44.4	-37.1	-49.5			6	093	16.4	20.0			1985	1988
<i>10</i>	3	31174	3	-43.7	-38.3	-47.1			3	085	22.6	22.7			1987	1988
<i>7</i>	1	34054	1	-38.5	-38.5	-38.5			1	083	40.0	40.0			1987	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

317 553 506

169 096 1689 -81.4

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

MAY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	372	1005	372	28.0	30.0	24.4	372	25.5	372	224	2.8	3.5	1.22	0.40	1983	1979
1000	365	49	360	27.9	30.0	24.0	360	25.1	360	221	3.6	4.5	10.31	0.40	1988	1980
950	365	459	365	26.4	33.6	21.0	364	20.9	365	230	7.4	9.0	15.33	0.77	1989	1982
900	365	979	365	24.4	35.2	18.4	362	16.1	365	238	5.8	7.7	8.77	1.07	1989	1983
850	365	1478	365	21.9	33.0	16.2	358	11.7	364	271	2.2	5.1	7.49	1.17	1989	1982
800	365	2001	365	18.8	28.8	11.6	354	6.9	364	012	2.5	5.1	6.66	1.31	1989	1982
750	365	2536	365	15.3	24.6	6.2	348	2.2	364	032	4.4	6.3	11.15	1.31	1985	1984
700	365	3131	365	11.3	19.4	4.0	338	-2.6	363	039	5.5	7.6	6.95	1.35	1985	1979
650	363	3731	363	7.0	14.6	-2.3	322	-6.3	359	040	5.5	8.3	11.30	1.53	1988	1985
600	361	4398	361	3.2	12.0	-3.9	294	-9.5	358	034	4.1	7.5	12.64	1.58	1990	1985
550	359	5113	359	-0.5	8.4	-7.7	255	-12.5	358	034	2.6	6.4	19.33	1.50	1990	1987
500	359	5854	359	-4.5	4.8	-13.1	223	-16.4	357	036	1.8	6.5	20.21	1.43	1990	1987
450	355	6681	355	-8.9	0.6	-18.5	181	-20.5	348	033	1.2	6.1	25.92	1.47	1990	1987
400	353	7582	353	-14.1	-3.3	-21.1	151	-25.2	345	063	1.0	6.0	29.42	1.63	1990	1983
350	349	8581	349	-20.5	-9.7	-28.5	116	-30.8	339	098	1.2	5.9	33.26	1.80	1990	1985
300	345	9710	345	-28.3	-18.5	-36.7	89	-38.5	332	127	1.3	5.9	44.38	1.89	1990	1979
250	338	10992	338	-38.3	-28.3	-46.1	36	-47.7	324	132	2.5	7.2	54.74	2.13	1984	1979
200	333	12488	333	-50.8	-38.9	-59.5			322	121	4.9	8.8	70.12	2.36	1984	1981
175	301	13343	301	-58.0	-48.1	-66.1			289	112	6.7	10.7	73.20	2.23	1988	1980
150	297	14297	297	-65.7	-56.1	-74.1			286	106	8.3	11.7	83.74	2.13	1984	1986
125	259	15380	259	-73.1	-63.3	-81.9			243	099	10.4	13.3	98.17	2.29	1990	1986
100	235	16668	235	-78.3	-69.1	-87.1			222	095	12.6	14.4	110.69	2.20	1989	1980
80	192	17956	192	-75.0	-61.1	-86.5			183	092	8.9	10.3	125.98	2.13	1988	1987
70	181	18745	181	-70.7	-56.1	-81.9			172	093	6.9	9.2	133.10	2.44	1990	1982
60	161	19662	161	-65.5	-47.7	-75.1			154	093	5.9	8.9	136.25	2.72	1990	1983
50	151	20778	151	-59.8	-45.3	-71.7			147	095	8.6	10.5	141.34	2.89	1990	1989
40	110	22188	110	-55.4	-41.9	-66.1			107	086	14.0	15.3	172.09	3.03	1989	1989
30	83	24017	83	-51.1	-39.5	-64.5			80	087	20.0	20.8	217.38	3.10	1990	1982
25	61	25192	61	-48.2	-39.1	-58.9			59	089	24.1	24.6	245.55	3.77	1990	1984
20	48	26656	48	-45.0	-37.9	-53.1			44	088	27.8	28.4	160.60	2.81	1982	1984
15	24	28560	24	-42.3	-33.7	-49.5			23	093	28.1	29.5	201.85	3.40	1981	1984
10	12	31197	12	-39.4	-34.1	-44.3			12	086	26.2	28.6			1982	1984
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

358 558 499

210 100 1671 -80.1

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

JUNE 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	360	1004	360	27.8	38.2	24.0	360	23.3	360	250	3.9	4.3	0.50	0.40	1990	1982
1000	346	43	346	27.6	32.0	24.2	346	22.9	346	250	4.7	5.2	3.85	0.38	1983	1982
950	346	460	346	25.9	32.8	20.2	346	17.8	344	259	11.8	12.5	7.56	0.67	1990	1989
900	346	972	346	23.8	31.6	16.0	346	14.1	344	264	12.0	12.7	4.56	0.81	1990	1985
850	346	1469	346	21.0	29.4	11.8	346	11.6	344	268	10.1	10.8	5.44	0.80	1990	1985
800	346	1991	346	18.0	26.8	7.8	346	8.8	344	274	8.3	9.3	6.40	0.87	1990	1985
750	346	2525	346	14.5	21.6	6.0	343	6.2	344	280	6.9	8.3	9.13	0.82	1990	1985
700	346	3119	346	10.8	17.4	4.4	340	2.2	344	282	6.3	8.1	8.59	1.03	1990	1985
650	345	3720	345	7.1	14.4	1.0	334	-1.4	344	278	5.9	8.2	12.99	1.16	1968	1979
600	342	4387	342	3.3	10.0	-4.9	318	-4.7	340	275	5.8	8.2	14.06	1.30	1990	1989
550	340	5106	340	-0.5	8.0	-7.5	311	-8.7	338	272	5.4	7.5	20.33	1.37	1990	1981
500	339	5845	339	-4.4	6.2	-11.5	302	-13.2	338	267	4.6	6.9	21.75	1.52	1990	1979
450	337	6672	337	-8.8	0.8	-16.1	274	-18.3	335	262	2.9	6.0	33.21	1.56	1990	1979
400	335	7573	335	-14.1	-6.5	-21.5	246	-24.0	332	258	0.6	5.2	31.02	1.60	1990	1979
350	332	8571	332	-20.5	-12.1	-28.1	202	-30.3	329	083	1.8	5.7	35.56	1.67	1988	1979
300	331	9702	331	-28.3	-20.7	-36.7	143	-37.6	328	083	5.1	7.4	45.77	1.72	1990	1979
250	325	10982	325	-38.4	-31.3	-49.1	62	-46.2	319	085	10.2	11.6	54.57	1.96	1988	1983
200	321	12478	321	-50.6	-42.3	-62.1			315	082	18.0	19.0	67.25	2.12	1985	1988
175	314	13335	314	-57.8	-48.3	-70.1			302	081	22.4	23.2	72.98	2.25	1988	1988
150	295	14291	295	-65.4	-55.9	-78.7			285	081	26.8	27.6	82.39	2.53	1989	1981
125	257	15388	257	-72.4	-62.3	-83.1			245	085	29.4	30.2	90.48	2.53	1989	1979
100	237	16681	237	-76.9	-62.5	-87.5			224	088	25.4	26.2	103.06	2.81	1989	1979
80	191	17990	191	-73.0	-59.5	-85.5			177	086	18.4	19.2	111.37	3.14	1989	1980
70	175	18793	175	-68.8	-54.3	-82.7			163	094	15.6	16.4	111.83	3.24	1990	1988
60	149	19731	149	-63.7	-51.3	-77.3			137	087	12.3	13.4	118.78	2.84	1990	1985
50	137	20860	137	-59.0	-46.7	-68.5			124	085	13.9	14.9	128.54	2.22	1989	1980
40	102	22280	102	-55.7	-41.7	-65.1			89	083	17.4	18.2	140.59	2.59	1990	1984
30	78	24123	78	-50.8	-38.9	-62.5			70	087	20.4	21.0	147.17	2.87	1990	1988
25	48	25308	48	-48.3	-40.9	-53.9			43	092	23.2	23.7	131.65	2.39	1990	1988
20	34	26826	34	-45.5	-35.9	-53.5			31	091	23.8	24.5	163.32	2.76	1988	1987
15	18	28664	18	-42.2	-35.5	-49.9			16	085	27.7	28.1			1985	1984
10	9	31348	9	-40.7	-32.1	-48.3			9	085	35.9	36.8			1982	1982
7	4	33648	4	-39.8	-37.1	-43.1			4	086	38.3	38.5			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

342 555 501

215 102 1657 -78.6

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

JULY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	367	1005	367	26.9	31.2	23.4	367	23.1	367	258	3.7	4.0	0.58	0.52	1988	1989
1000	351	51	351	26.8	30.0	23.6	351	22.7	349	256	4.8	5.2	4.83	0.52	1988	1981
950	351	467	351	25.1	29.8	20.4	351	18.3	349	263	10.6	11.2	8.49	0.63	1988	1985
900	351	977	351	22.9	28.8	18.2	351	15.0	349	271	10.3	10.9	5.52	0.76	1990	1985
850	351	1473	351	20.0	25.2	14.8	351	12.6	349	274	8.9	9.6	5.97	0.79	1981	1985
800	351	1994	351	16.9	24.0	11.4	350	10.4	349	278	7.7	8.5	7.15	0.91	1986	1988
750	351	2529	351	13.4	19.0	7.6	350	7.4	349	281	6.9	7.8	11.41	0.97	1988	1988
700	351	3119	351	10.0	16.2	3.4	350	3.5	349	281	6.4	7.6	10.08	1.02	1988	1988
650	347	3720	347	6.5	12.6	0.0	342	-0.2	344	275	5.8	7.1	16.79	1.20	1983	1979
600	347	4384	347	2.8	8.8	-4.1	334	-4.1	344	267	5.3	7.0	15.54	1.26	1988	1979
550	346	5102	346	-0.8	8.0	-6.5	323	-7.9	343	265	4.4	6.9	24.05	1.30	1986	1981
500	345	5841	345	-4.8	2.0	-10.9	302	-12.9	341	257	2.9	6.4	22.58	1.39	1989	1979
450	344	6669	344	-9.3	-1.1	-16.1	282	-18.2	337	198	1.2	6.2	31.70	1.44	1988	1979
400	341	7567	340	-14.7	-7.5	-21.7	257	-24.3	332	110	2.2	6.3	31.10	1.56	1988	1979
350	333	8564	332	-21.3	-11.7	-28.9	214	-30.2	324	094	5.3	7.9	36.81	1.68	1989	1979
300	330	9690	330	-29.3	-17.5	-38.1	174	-38.4	323	093	9.6	10.7	45.17	1.83	1989	1981
250	321	10962	320	-39.5	-30.9	-48.9	68	-46.8	316	086	15.8	16.8	52.23	2.00	1989	1981
200	313	12450	312	-51.9	-42.1	-63.5			309	081	23.5	24.2	67.45	2.27	1989	1981
175	293	13304	293	-59.0	-48.1	-71.1			283	079	27.5	28.2	76.38	2.36	1990	1981
150	280	14259	280	-66.6	-54.3	-78.9			267	079	31.6	32.3	87.41	2.56	1990	1981
125	237	15349	237	-73.2	-59.1	-83.1			220	082	33.5	34.3	98.06	2.48	1984	1979
100	209	16648	209	-74.7	-60.5	-86.3			188	086	27.7	28.6	107.64	2.90	1990	1987
80	164	17969	164	-69.3	-56.5	-79.5			142	086	21.0	21.6	120.09	2.73	1990	1987
70	160	18780	160	-65.9	-51.9	-77.3			136	088	18.9	19.5	128.23	2.51	1990	1987
60	136	19730	136	-61.6	-46.3	-74.3			111	091	18.2	19.1	117.69	3.16	1990	1987
50	129	20862	129	-57.8	-43.7	-68.1			102	087	18.8	19.3	120.19	3.25	1990	1987
40	87	22296	87	-53.6	-42.7	-63.5			64	086	21.4	21.7	125.14	3.38	1981	1984
30	59	24138	59	-50.9	-41.5	-60.1			43	086	26.1	26.6	161.49	3.33	1981	1980
25	34	25293	34	-48.5	-40.5	-59.7			26	089	27.7	28.0	209.93	3.41	1980	1987
20	29	26776	29	-45.3	-35.5	-56.1			22	091	30.3	30.6	233.85	3.69	1980	1984
15	14	28579	14	-44.7	-35.5	-53.7			13	082	33.2	35.2			1980	1984
10	9	31230	9	-40.4	-35.1	-45.5			9	087	29.7	30.0			1980	1983
7	2	33860	2	-41.4	-37.5	-45.3			2	083	55.5	55.5			1984	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

347 560 494

194 108 1623 -77.5

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

AUGUST 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	1005	372	26.5	29.0	23.6	372	23.3	372	260	3.8	4.1	0.58	0.26	1983	1990
1000	368	53	368	26.3	29.0	23.4	368	22.9	368	258	4.9	5.3	3.24	0.25	1988	1990
950	368	472	368	25.0	31.2	18.4	368	18.7	368	263	10.3	10.9	9.91	0.68	1985	1979
900	368	979	368	22.7	28.2	16.0	368	15.7	368	272	10.1	10.7	3.27	0.86	1985	1979
850	368	1475	368	19.9	24.8	13.2	368	13.1	368	275	8.7	9.5	4.49	0.95	1985	1979
800	368	1995	368	16.7	26.0	11.0	368	10.7	368	280	7.9	8.6	6.00	1.06	1988	1979
750	368	2528	368	13.3	19.4	7.8	367	7.5	368	283	7.4	8.3	11.66	1.09	1987	1979
700	368	3120	368	9.9	17.0	3.8	366	3.7	368	283	7.5	8.4	9.67	1.14	1987	1985
650	368	3720	368	6.4	16.6	0.4	362	-0.3	366	278	6.9	7.7	13.95	1.24	1988	1985
600	366	4385	366	2.9	11.0	-2.3	359	-4.1	364	271	6.2	7.4	15.23	1.26	1987	1979
550	366	5102	366	-0.7	8.8	-6.1	339	-8.1	364	265	5.4	7.2	24.02	1.39	1983	1979
500	363	5842	363	-4.7	2.0	-14.7	321	-13.4	360	257	3.8	6.5	22.26	1.51	1987	1985
450	360	6670	359	-9.2	-3.3	-15.5	292	-19.1	356	231	1.7	5.9	29.84	1.63	1988	1980
400	357	7568	356	-14.6	-7.3	-22.1	244	-24.0	355	120	1.4	5.8	29.54	1.78	1989	1980
350	356	8563	356	-21.3	-11.3	-28.7	220	-30.6	354	097	4.5	7.4	36.75	1.84	1988	1985
300	354	9691	354	-29.3	-21.5	-37.7	182	-38.2	352	092	8.8	10.1	42.88	2.01	1988	1987
250	350	10967	350	-39.3	-29.1	-46.9	68	-46.8	346	088	15.2	16.0	53.59	2.23	1989	1981
200	343	12457	342	-51.7	-40.9	-61.1			336	082	23.3	23.9	70.12	2.54	1990	1981
175	325	13313	324	-58.8	-47.5	-68.1			317	080	27.7	28.3	80.07	2.63	1990	1980
150	304	14265	304	-66.3	-54.1	-75.5			295	081	32.1	32.9	88.18	2.54	1990	1981
125	255	15345	255	-73.2	-60.5	-82.7			244	085	32.5	33.2	104.68	2.65	1990	1981
100	216	16644	216	-75.1	-66.1	-85.5			205	085	26.5	27.3	116.44	2.37	1985	1987
80	179	17972	179	-68.6	-58.5	-82.1			168	087	18.6	19.2	129.77	2.18	1984	1987
70	173	18779	173	-65.7	-55.9	-77.7			159	088	16.5	17.0	132.01	2.35	1982	1990
60	156	19725	156	-62.1	-51.9	-75.3			139	088	17.6	18.0	129.16	2.24	1990	1990
50	141	20862	141	-58.2	-48.7	-68.1			128	086	18.6	19.0	139.62	2.55	1989	1987
40	110	22266	110	-55.6	-47.9	-67.1			97	087	22.3	22.6	119.87	1.86	1990	1987
30	90	24111	90	-52.0	-41.5	-63.9			77	086	23.6	23.9	136.50	1.92	1990	1984
25	74	25272	74	-50.3	-42.5	-61.1			64	087	27.8	28.4	148.64	2.95	1990	1988
20	60	26730	60	-48.8	-40.7	-60.1			51	089	30.7	31.8	184.10	3.16	1980	1988
15	32	28612	32	-45.5	-36.7	-56.9			26	091	30.0	30.2	110.24	3.45	1980	1988
10	19	31284	19	-43.7	-31.1	-51.9			16	089	36.0	36.2			1983	1988
7	4	33910	4	-42.3	-40.9	-44.5			4	089	62.8	63.5			1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

365 558 497

217 109 1617 -77.6

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

SEPTEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	360	1006	360	26.1	29.2	23.4	360	23.8	360	249	2.7	3.3	0.65	0.39	1979	1984
1000	351	61	351	26.0	28.0	23.2	351	23.4	351	247	4.0	4.7	5.41	0.41	1979	1984
950	351	479	351	24.7	31.2	19.8	351	19.1	351	257	7.4	8.5	9.38	0.75	1989	1979
900	351	985	351	22.4	30.0	14.8	351	15.6	351	265	6.2	7.4	5.63	0.95	1989	1986
850	351	1481	351	19.7	27.0	14.0	351	12.8	351	278	4.5	6.0	6.07	1.10	1989	1979
800	351	2001	351	16.5	24.2	11.0	351	10.1	350	287	3.6	5.6	7.22	1.09	1986	1979
750	351	2538	351	13.3	19.4	7.2	351	6.6	350	293	3.1	5.6	12.23	1.11	1989	1979
700	351	3126	351	10.1	15.6	3.4	347	2.7	350	287	3.2	5.9	10.61	1.18	1989	1979
650	349	3729	349	6.8	12.6	-0.9	340	-1.8	344	278	3.3	6.2	12.76	1.23	1989	1979
600	347	4392	347	3.2	8.8	-6.9	332	-5.5	342	266	2.5	6.1	15.50	1.20	1990	1983
550	346	5110	346	-0.5	6.0	-8.5	316	-9.3	341	250	1.3	5.8	22.94	1.28	1990	1981
500	345	5850	345	-4.7	3.4	-11.7	282	-14.1	339	184	0.5	5.6	21.83	1.26	1983	1979
450	344	6679	344	-9.2	-1.7	-16.1	265	-19.0	336	114	1.6	5.6	30.27	1.44	1988	1979
400	344	7576	344	-14.5	-7.5	-21.5	231	-24.7	338	099	3.4	6.1	30.53	1.61	1989	1979
350	340	8576	340	-21.0	-12.9	-28.3	169	-31.1	335	096	5.9	7.7	34.31	1.71	1988	1979
300	338	9701	338	-28.9	-21.1	-36.9	111	-38.0	334	097	9.0	9.9	43.76	1.85	1988	1979
250	337	10981	337	-39.0	-29.9	-48.1	42	-46.4	334	093	13.0	13.9	52.85	2.00	1984	1987
200	332	12472	332	-51.6	-41.3	-62.1			327	086	18.2	18.9	67.19	2.30	1984	1979
175	316	13324	316	-58.8	-48.7	-68.9			309	085	21.4	22.0	77.04	2.44	1984	1979
150	304	14276	304	-66.4	-56.7	-75.3			296	085	25.2	25.9	89.88	2.44	1990	1979
125	268	15361	268	-73.2	-63.1	-85.3			260	089	25.7	26.4	104.70	2.60	1990	1979
100	250	16657	249	-75.1	-63.1	-84.7			239	089	21.0	21.6	120.81	2.49	1990	1979
80	207	17968	207	-69.8	-57.5	-82.1			198	092	14.5	15.2	128.73	2.50	1990	1980
70	194	18781	194	-65.9	-50.3	-76.1			183	094	12.2	13.3	135.81	2.66	1990	1979
60	171	19724	171	-62.0	-49.9	-72.3			160	088	12.2	13.0	143.64	2.75	1990	1979
50	162	20856	162	-58.6	-47.9	-69.1			147	083	13.8	14.5	150.11	2.19	1990	1979
40	117	22280	117	-55.6	-38.7	-64.1			102	082	16.1	17.0	151.61	2.03	1990	1983
30	96	24116	96	-52.1	-42.5	-61.5			86	089	19.6	20.4	172.72	2.58	1989	1988
25	65	25280	65	-50.3	-41.5	-66.7			56	089	24.5	25.0	99.15	3.28	1979	1981
20	47	26729	47	-48.0	-40.5	-58.3			43	089	27.9	28.2	91.20	2.98	1979	1983
15	27	28658	27	-45.0	-37.1	-51.1			26	087	27.2	28.0	201.52	3.53	1984	1988
10	10	31374	10	-41.5	-36.3	-47.3			8	085	27.0	27.8			1986	1988
7	3	33912	3	-40.0	-36.7	-42.7			3	085	54.4	54.7			1986	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

345 556 501

238 109 1620 -77.5

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

OCTOBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	372	1008	372	25.7	29.8	22.8	372	24.0	372	267	0.8	2.4	0.65	0.35	1987	1981
1000	362	76	362	25.5	30.8	23.0	362	23.5	361	259	1.6	4.2	5.78	0.42	1988	1981
950	362	491	362	24.0	32.0	19.2	362	19.8	361	261	2.0	6.2	7.68	0.71	1990	1979
900	362	999	362	21.5	30.0	15.4	362	16.0	361	330	0.9	5.6	4.63	0.81	1990	1979
850	362	1493	362	18.7	27.2	11.2	360	12.3	361	012	1.7	5.3	3.73	0.94	1987	1979
800	362	2011	362	15.7	24.6	7.4	356	8.9	359	012	2.3	5.4	3.18	0.99	1987	1979
750	362	2549	362	12.6	21.6	4.8	355	4.9	359	007	2.3	5.4	8.32	1.02	1987	1979
700	362	3133	362	9.6	18.2	3.2	350	1.2	361	351	1.4	5.3	5.92	0.96	1987	1979
650	359	3737	358	6.4	14.4	1.0	331	-2.7	356	328	0.7	5.3	11.94	1.03	1987	1979
600	359	4399	359	3.1	10.2	-3.1	304	-6.4	354	126	0.2	5.0	9.57	1.18	1987	1979
550	355	5117	355	-0.7	6.2	-7.1	287	-10.2	352	104	0.8	5.0	17.44	1.28	1989	1979
500	353	5856	353	-4.7	2.4	-11.5	251	-14.9	351	105	1.5	5.3	15.53	1.35	1989	1979
450	350	6683	350	-9.2	-0.5	-15.7	218	-19.9	345	102	2.5	5.4	23.32	1.44	1989	1979
400	346	7584	346	-14.6	-5.9	-21.5	174	-24.6	341	100	3.1	5.6	25.72	1.53	1989	1988
350	344	8581	344	-21.2	-11.9	-29.9	134	-30.8	338	099	3.7	5.8	31.68	1.63	1989	1979
300	342	9707	342	-29.3	-17.9	-37.5	97	-38.5	337	100	4.9	6.8	38.54	1.69	1989	1979
250	339	10983	339	-39.6	-25.1	-48.9	32	-47.4	336	104	7.2	9.1	46.89	1.81	1989	1990
200	334	12470	334	-52.5	-41.1	-63.9	2	-58.5	331	102	10.1	12.3	57.43	1.86	1989	1990
175	320	13318	320	-59.9	-49.1	-70.7			316	100	12.4	14.4	64.99	2.01	1989	1990
150	303	14264	303	-67.3	-56.9	-78.1			299	101	14.0	15.8	74.61	1.92	1980	1979
125	264	15347	264	-74.1	-65.1	-84.1			257	101	15.2	16.6	83.63	1.88	1990	1988
100	236	16632	236	-76.5	-65.7	-86.5			232	097	11.4	12.7	96.68	1.98	1989	1980
80	195	17934	195	-71.3	-58.3	-84.1			189	086	7.9	9.6	106.55	2.08	1980	1979
70	186	18739	186	-67.1	-55.9	-78.3			180	082	8.1	9.6	111.90	2.03	1987	1988
60	162	19674	162	-63.6	-50.5	-76.5			156	086	8.4	9.9	120.40	2.63	1987	1980
50	150	20806	150	-59.3	-44.7	-74.1			143	088	10.2	12.0	123.52	2.33	1987	1980
40	114	22211	114	-55.7	-44.7	-65.9			107	089	13.6	15.0	123.72	2.03	1982	1984
30	79	24055	79	-51.8	-42.5	-60.5			73	092	18.0	19.9	126.71	2.09	1987	1984
25	52	25252	52	-49.3	-38.7	-61.5			47	089	20.0	21.9	110.49	3.05	1981	1984
20	36	26716	36	-46.8	-36.1	-55.1			34	091	23.1	25.4	138.73	2.54	1987	1984
15	18	28541	18	-44.2	-34.9	-51.1			18	092	28.3	28.9			1983	1987
10	8	31182	8	-43.8	-39.9	-47.5			8	087	27.1	28.3			1983	1987
7	4	33420	4	-42.4	-39.7	-46.5			4	082	25.4	27.0			1983	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
355	558	499	1	095	1692	-79.9	226	107	1626	-78.4

NORMALS OF RADIOSONDE DATA

43346 KARAIKAL

NOVEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	364	1009	364	24.7	29.0	20.8	364	22.9	364	012	2.1	3.1	1.39	0.69	1979	1986
1000	350	87	350	24.5	27.4	20.8	348	22.3	348	008	3.4	5.2	11.74	0.60	1988	1984
950	350	499	350	22.9	32.4	18.6	347	18.8	348	025	4.9	7.3	12.19	0.65	1990	1984
900	350	1007	350	20.2	29.6	14.2	345	15.1	348	036	5.3	7.6	12.49	0.81	1990	1979
850	350	1498	350	17.4	23.2	11.2	345	11.2	348	041	4.6	7.3	12.81	0.85	1990	1979
800	350	2015	350	14.7	19.6	7.8	337	8.0	347	043	3.9	7.0	12.72	0.84	1989	1979
750	350	2551	350	12.2	18.4	5.0	320	4.6	347	052	3.1	6.6	12.85	0.74	1985	1979
700	350	3134	350	9.5	15.2	-2.9	304	1.1	348	063	2.7	6.3	14.54	0.84	1990	1981
650	348	3740	347	6.4	12.2	-5.5	287	-2.8	344	070	2.6	6.1	22.20	0.96	1990	1981
600	346	4400	346	3.0	10.2	-4.3	254	-5.6	335	077	3.0	6.3	15.71	1.09	1990	1979
550	341	5117	341	-0.6	7.6	-8.9	251	-9.3	332	082	3.2	6.5	18.95	1.16	1990	1979
500	339	5858	339	-4.7	4.2	-13.3	234	-13.4	330	081	3.8	6.9	19.96	1.08	1990	1979
450	335	6685	335	-9.2	0.8	-17.7	212	-18.4	325	082	3.9	7.1	28.31	1.17	1990	1979
400	333	7584	333	-14.6	-2.7	-21.3	187	-24.0	323	092	3.4	7.0	26.03	1.27	1990	1979
350	329	8580	329	-21.3	-10.5	-28.5	155	-30.5	318	097	3.1	6.9	32.75	1.30	1987	1979
300	326	9706	326	-29.3	-20.3	-37.1	119	-38.1	317	121	3.7	7.5	35.04	1.35	1990	1987
250	323	10981	323	-39.8	-30.9	-49.1	44	-46.6	313	132	5.1	9.0	41.93	1.51	1989	1987
200	317	12466	317	-52.4	-42.7	-61.3	3	-57.9	307	131	6.6	11.1	51.21	1.77	1989	1987
175	300	13317	300	-59.5	-49.9	-71.1	1	-61.3	290	131	6.5	12.0	57.58	1.88	1989	1981
150	279	14264	279	-66.9	-55.5	-75.5			272	129	6.2	11.9	63.76	1.96	1989	1980
125	244	15342	244	-73.9	-59.9	-83.3			237	120	5.5	10.5	76.49	2.00	1984	1982
100	210	16626	210	-78.2	-68.5	-87.7			204	098	4.7	8.2	94.95	2.02	1988	1987
80	166	17910	166	-74.5	-63.5	-85.1			161	079	4.2	6.7	109.63	1.78	1983	1988
70	159	18706	159	-69.9	-55.7	-81.7			152	078	3.0	6.3	114.99	1.93	1983	1988
60	132	19629	132	-65.2	-55.5	-75.3			126	084	2.5	6.9	113.13	2.13	1988	1984
50	125	20743	125	-60.9	-50.7	-72.1			120	095	5.9	10.6	117.79	1.95	1988	1984
40	87	22159	87	-56.1	-47.7	-68.3			84	095	8.1	13.4	126.54	2.20	1987	1984
30	63	24007	63	-51.1	-39.9	-60.5			61	089	11.4	17.7	122.45	2.39	1984	1984
25	42	25158	42	-49.2	-39.7	-56.7			39	089	16.3	21.5	151.74	2.77	1983	1988
20	30	26618	30	-46.7	-40.1	-54.1			28	093	15.3	20.5	116.50	4.10	1981	1987
15	20	28516	20	-43.5	-36.5	-52.1			16	088	15.7	21.0			1981	1985
10	5	31222	5	-40.1	-31.5	-48.3			5	092	4.5	13.2			1983	1987
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
342	559	499					184	102	1655	-79.8

NORMALS OF RADIOSONDE DATA

43346 KARAİKAL

DECEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	1011	403	24.3	27.6	20.0	403	22.1	403	031	3.5	4.3	0.88	0.54	1979	1984
<i>1000</i>	367	102	367	24.0	28.2	20.0	365	21.5	366	029	5.5	6.6	6.84	0.55	1990	1984
<i>950</i>	367	512	367	22.1	32.8	13.8	366	18.3	366	039	7.3	8.2	13.84	0.63	1990	1990
<i>900</i>	367	1019	367	19.1	29.6	10.6	366	14.7	366	048	7.5	8.4	7.00	0.68	1990	1987
<i>850</i>	367	1509	367	16.4	24.2	8.8	362	10.8	365	056	6.6	7.9	7.27	0.75	1987	1990
<i>800</i>	367	2024	367	14.2	23.0	9.0	347	6.4	365	063	5.5	7.1	8.06	1.03	1978	1981
<i>750</i>	367	2560	367	12.1	21.0	5.8	309	3.0	365	073	4.5	6.4	15.26	1.15	1978	1981
<i>700</i>	367	3143	367	9.6	18.6	4.0	279	-1.0	365	077	3.9	6.1	11.11	1.15	1989	1978
<i>650</i>	363	3747	363	6.5	15.0	-1.5	237	-4.3	362	081	3.8	6.0	19.96	1.17	1978	1988
<i>600</i>	361	4407	361	3.1	12.0	-3.3	210	-7.8	359	083	3.8	6.3	14.90	1.21	1978	1980
<i>550</i>	360	5120	360	-0.8	9.2	-8.1	188	-11.6	356	082	3.7	6.5	19.45	1.26	1990	1980
<i>500</i>	356	5862	356	-5.1	8.4	-11.9	170	-15.5	353	078	3.8	7.2	19.81	1.24	1990	1980
<i>450</i>	353	6684	352	-9.7	-0.7	-19.3	144	-20.2	350	067	2.8	7.5	25.31	1.19	1990	1982
<i>400</i>	352	7585	352	-15.3	-6.3	-26.9	123	-26.2	349	050	1.6	7.6	26.09	1.40	1990	1980
<i>350</i>	350	8579	350	-22.0	-14.1	-31.1	87	-31.7	347	284	0.6	8.0	31.19	1.39	1989	1980
<i>300</i>	348	9701	348	-30.1	-20.1	-38.1	61	-39.1	345	214	2.6	9.2	35.83	1.46	1989	1981
<i>250</i>	339	10973	339	-40.3	-28.1	-50.1	22	-47.4	333	198	5.2	10.9	41.65	1.55	1989	1981
<i>200</i>	331	12456	331	-52.6	-42.7	-64.0	1	-55.7	326	207	6.9	12.5	47.53	1.41	1989	1978
<i>175</i>	297	13310	297	-59.7	-50.0	-72.9	1	-66.3	291	216	7.2	12.9	48.76	1.51	1978	1979
<i>150</i>	279	14259	279	-66.6	-56.5	-82.1			275	229	6.8	11.9	53.34	1.68	1990	1979
<i>125</i>	238	15337	238	-73.4	-64.5	-84.1			232	240	4.3	9.4	60.03	1.79	1984	1979
<i>100</i>	204	16626	204	-78.7	-67.7	-88.7			200	148	1.0	7.9	71.39	2.04	1988	1981
<i>80</i>	140	17906	140	-75.3	-58.1	-84.1			134	098	3.1	7.1	83.69	1.87	1989	1982
<i>70</i>	128	18694	128	-71.1	-56.1	-80.5			122	073	1.3	6.7	93.51	2.29	1989	1981
<i>60</i>	107	19612	107	-66.5	-53.7	-76.0			102	256	0.2	6.8	93.93	2.81	1990	1978
<i>50</i>	96	20725	96	-61.2	-47.9	-71.0			88	129	0.5	9.3	103.66	3.29	1990	1978
<i>40</i>	69	22135	69	-56.3	-43.3	-69.1			62	101	2.7	12.7	118.92	2.52	1990	1982
<i>30</i>	45	23960	45	-51.9	-45.9	-59.5			43	085	6.3	16.4	135.01	1.70	1987	1980
<i>25</i>	30	25145	30	-48.6	-42.1	-56.7			28	089	9.0	18.2	138.20	2.38	1981	1989
<i>20</i>	15	26614	15	-45.5	-32.9	-53.3			13	084	15.9	21.7			1981	1989
<i>15</i>	9	28561	9	-40.8	-32.9	-48.1			7	086	22.6	23.3			1981	1983
<i>10</i>	1	31128	1	-43.5	-43.5	-43.5			1	095	27.0	27.0			1983	1983
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

358 560 497

154 099 1669 -80.3

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	610	1011	610	24.1	29.0	18.0	610	20.6	373	076	0.3	0.4	0.95	0.91	1977	1972
<i>1000</i>	587	98	587	23.9	28.0	19.0	562	20.0					7.18	0.73	1977	1972
<i>950</i>	587	544	587	22.0	27.8	15.8	581	16.7					8.30	0.55	1987	1988
<i>900</i>	587	1014	587	19.1	25.4	13.0	579	13.3					7.04	0.65	1988	1982
<i>850</i>	587	1503	587	16.3	26.0	9.6	571	9.0					7.03	0.72	1975	1982
<i>800</i>	587	2018	587	13.9	21.2	5.8	532	3.6					8.60	1.01	1988	1982
<i>750</i>	585	2559	585	12.0	20.0	3.4	462	-0.9					7.26	1.16	1973	1982
<i>700</i>	585	3135	585	9.5	18.2	1.6	408	-5.0					8.70	1.11	1988	1982
<i>650</i>	580	3745	580	6.3	13.0	-4.1	359	-8.0					10.34	1.02	1983	1980
<i>600</i>	579	4398	579	2.7	8.8	-4.5	325	-10.3					10.54	1.00	1989	1979
<i>550</i>	576	5095	576	-1.3	5.0	-15.0	187	-13.4					12.59	1.07	1989	1972
<i>500</i>	575	5851	575	-5.6	1.0	-19.0	120	-16.7					14.75	1.17	1989	1978
<i>450</i>	567	6667	567	-10.5	-1.9	-17.0	96	-21.3					18.97	1.33	1990	1971
<i>400</i>	562	7569	562	-16.2	-4.0	-24.0	64	-26.9					21.41	1.40	1974	1971
<i>350</i>	549	8556	548	-23.2	-14.1	-34.0	53	-32.9					29.45	1.39	1990	1971
<i>300</i>	529	9675	529	-31.4	-23.3	-40.0	32	-39.1					32.39	1.52	1990	1972
<i>250</i>	514	10941	513	-41.5	-32.5	-50.9	5	-46.5					39.77	1.62	1990	1980
<i>200</i>	496	12418	495	-53.9	-42.0	-65.7							48.09	1.81	1974	1980
<i>175</i>	460	13263	459	-60.4	-46.0	-72.1							54.74	2.04	1974	1980
<i>150</i>	418	14207	418	-67.3	-50.0	-79.5							60.93	2.24	1974	1982
<i>125</i>	361	15293	361	-73.4	-55.0	-86.7							71.98	2.58	1974	1980
<i>100</i>	310	16581	310	-78.3	-62.0	-89.9							85.07	2.25	1974	1989
<i>80</i>	247	17848	246	-76.8	-64.3	-88.1							94.19	2.73	1990	1980
<i>70</i>	218	18614	217	-73.4	-61.5	-86.3							106.36	3.83	1987	1979
<i>60</i>	186	19536	185	-69.0	-51.5	-83.0							102.15	3.94	1988	1977
<i>50</i>	155	20653	155	-64.1	-48.3	-82.0							118.37	4.86	1990	1977
<i>40</i>	117	22037	117	-59.0	-45.3	-80.0							131.72	5.20	1988	1977
<i>30</i>	75	23907	75	-53.2	-40.9	-78.0							196.43	5.55	1983	1977
<i>25</i>	57	25094	57	-50.0	-37.7	-78.0							255.46	7.65	1980	1977
<i>20</i>	41	26620	41	-46.5	-33.5	-56.5							278.36	5.21	1987	1984
<i>15</i>	31	28557	31	-43.9	-32.7	-54.5							186.04	3.88	1987	1984
<i>10</i>	16	31280	16	-41.0	-31.5	-51.9									1987	1984
<i>7</i>	6	33655	6	-40.0	-30.3	-49.7									1987	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

578 564 489

269 098 1674 -80.9

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	555	1010	555	25.4	30.0	21.0	555	22.3	340	068	0.2	0.4	1.40	0.87	1981	1971
<i>1000</i>	517	93	517	25.0	29.8	19.0	513	21.8					10.93	0.74	1981	1972
<i>950</i>	517	540	517	22.6	28.6	16.8	513	18.8					11.93	0.57	1981	1989
<i>900</i>	517	1011	517	19.8	28.4	12.2	512	14.8					10.47	0.65	1985	1989
<i>850</i>	516	1502	516	17.0	25.0	10.8	509	10.1					10.48	0.75	1985	1987
<i>800</i>	516	2018	516	14.4	21.2	8.0	479	5.2					10.47	0.81	1990	1971
<i>750</i>	516	2559	515	12.0	23.0	4.8	435	-0.1					11.32	0.95	1972	1982
<i>700</i>	516	3136	515	9.4	17.0	4.0	375	-4.3					11.60	1.05	1985	1979
<i>650</i>	514	3745	513	6.1	12.2	-2.1	347	-7.8					12.14	1.18	1985	1979
<i>600</i>	511	4398	510	2.5	9.6	-4.1	307	-11.3					13.03	1.03	1985	1982
<i>550</i>	507	5095	507	-1.4	6.8	-13.0	178	-14.2					14.58	1.11	1982	1975
<i>500</i>	505	5851	505	-5.9	0.8	-17.0	102	-18.1					15.85	1.13	1985	1977
<i>450</i>	493	6666	493	-10.5	-3.9	-18.3	74	-22.1					19.00	1.05	1985	1984
<i>400</i>	489	7567	489	-16.1	-6.0	-24.9	52	-26.6					21.30	1.10	1975	1984
<i>350</i>	479	8557	479	-23.0	-12.9	-32.1	31	-30.4					26.88	1.30	1990	1984
<i>300</i>	465	9675	465	-31.2	-22.7	-42.7	21	-38.7					30.70	1.38	1984	1982
<i>250</i>	447	10943	447	-41.2	-29.0	-54.3	2	-43.7					37.17	1.57	1971	1982
<i>200</i>	436	12420	436	-53.6	-43.7	-67.9							47.25	1.74	1990	1982
<i>175</i>	407	13267	406	-60.2	-48.0	-73.7							55.24	2.05	1975	1979
<i>150</i>	368	14215	368	-67.0	-52.0	-76.5							65.47	2.25	1975	1980
<i>125</i>	314	15299	314	-73.1	-62.0	-83.1							84.07	2.48	1976	1979
<i>100</i>	268	16591	268	-78.4	-68.0	-87.9							94.93	2.24	1972	1988
<i>80</i>	212	17862	212	-76.9	-64.0	-88.7							105.41	2.09	1972	1989
<i>70</i>	194	18633	194	-73.7	-60.3	-85.1							102.85	2.39	1990	1989
<i>60</i>	168	19547	168	-69.5	-56.7	-87.0							99.44	3.19	1990	1977
<i>50</i>	147	20550	147	-64.4	-46.1	-82.0							114.27	2.79	1982	1977
<i>40</i>	100	22026	100	-59.9	-49.3	-80.0							131.50	3.60	1989	1977
<i>30</i>	66	23855	66	-54.2	-41.9	-77.0							170.42	4.37	1980	1977
<i>25</i>	50	25035	50	-51.0	-40.1	-75.0							234.02	6.27	1980	1977
<i>20</i>	33	26588	33	-46.8	-36.3	-60.1							138.97	3.37	1989	1988
<i>15</i>	23	28482	23	-45.3	-32.9	-57.9							234.80	4.61	1989	1988
<i>10</i>	13	31144	13	-43.9	-38.1	-55.3									1987	1988
<i>7</i>	4	33512	4	-44.5	-40.3	-53.1									1985	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

510 566 486

226 096 1683 -80.6

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	614	1010	614	26.5	32.0	22.0	613	23.5	373	066	0.1	0.2	0.81	0.65	1976	1971
1000	579	88	579	26.1	31.0	17.0	579	23.0					5.03	0.58	1976	1978
950	579	537	579	23.7	30.6	20.0	577	20.2					6.23	0.65	1986	1971
900	578	1010	578	20.9	27.6	16.0	574	16.5					5.51	0.72	1989	1971
850	578	1503	578	18.3	24.0	12.0	567	11.9					6.15	0.73	1987	1971
800	577	2021	576	15.6	22.6	8.0	558	6.3					6.94	0.75	1984	1971
750	575	2564	574	12.6	19.6	6.0	538	0.7					7.78	0.79	1986	1971
700	575	3141	574	9.4	16.0	3.8	491	-4.3					8.77	0.81	1976	1979
650	569	3751	568	6.2	12.2	-3.3	404	-7.2					9.81	0.81	1973	1988
600	567	4404	567	2.8	9.2	-6.0	342	-10.4					10.89	0.89	1983	1975
550	563	5102	563	-1.0	6.0	-10.0	219	-13.9					13.08	0.97	1990	1974
500	560	5858	560	-5.3	1.2	-14.1	132	-16.8					14.24	1.25	1990	1982
450	556	6675	556	-10.2	-2.1	-18.3	102	-21.8					18.57	1.42	1990	1982
400	546	7577	548	-15.0	-8.1	-26.0	82	-26.0					21.97	1.50	1983	1975
350	536	8567	536	-22.7	-12.5	-32.3	56	-31.5					28.97	1.41	1985	1984
300	529	9687	529	-30.8	-19.3	-41.0	35	-38.8					32.57	1.82	1985	1972
250	501	10955	501	-40.6	-51.0	-51.0	4	-48.4					40.50	1.75	1976	1975
200	471	12435	471	-52.9	-35.7	-64.1							51.12	1.90	1983	1982
175	418	13287	418	-59.4	-49.0	-69.7							56.98	2.09	1974	1982
150	380	14238	380	-66.2	-55.0	-79.5							65.66	2.25	1974	1979
125	324	15324	324	-72.7	-61.0	-83.9							109.72	3.45	1974	1983
100	286	16611	286	-78.1	-67.3	-88.9							125.67	2.27	1981	1979
80	238	17890	238	-77.2	-64.0	-87.0							126.23	2.32	1974	1977
70	220	18662	220	-73.5	-56.1	-85.0							126.31	3.07	1985	1973
60	198	19571	198	-68.7	-47.1	-81.0							128.22	3.62	1985	1977
50	169	20690	169	-63.8	-44.1	-81.0							128.80	3.76	1985	1974
40	119	22076	119	-58.8	-42.7	-79.0							149.51	4.72	1983	1977
30	77	23935	77	-52.5	-36.7	-75.0							197.32	6.68	1983	1977
25	59	25113	59	-50.1	-33.1	-73.1							285.15	8.82	1987	1988
20	41	26599	41	-46.9	-29.1	-71.1							97.94	4.25	1987	1988
15	33	28467	33	-44.2	-36.5	-68.5							315.05	9.66	1989	1988
10	19	31157	19	-41.9	-27.7	-66.7									1989	1988
7	8	33410	8	-43.7	-35.5	-65.1									1989	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

564 562 492

253 096 1689 -80.5

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	592	1008	592	27.1	32.0	24.0	592	24.2	361	283	0.1	0.4	0.84	0.61	1986	1971
1000	552	74	552	26.8	31.4	24.0	548	23.9					5.84	0.53	1986	1971
950	552	523	552	24.1	30.2	18.0	547	21.2					6.88	0.60	1986	1984
900	552	998	552	21.3	26.4	14.2	545	18.2					6.00	0.62	1988	1979
850	552	1492	552	18.9	27.6	12.0	543	14.5					6.22	0.65	1987	1984
800	552	2012	552	16.3	24.0	9.0	540	10.0					6.94	0.78	1987	1972
750	551	2555	551	13.4	19.6	7.0	526	4.4					7.30	0.70	1988	1984
700	550	3136	550	10.0	15.8	4.0	505	-1.2					7.75	0.82	1990	1972
650	548	3745	548	6.3	12.2	-4.5	469	-4.9					8.94	0.90	1989	1984
600	543	4400	543	2.8	9.0	-4.7	419	-8.8					9.23	1.04	1975	1979
550	539	5097	539	-1.0	7.0	-13.0	274	-12.1					12.05	1.17	1987	1976
500	537	5854	536	-5.2	1.2	-11.7	187	-16.0					13.52	1.20	1988	1985
450	531	6671	530	-10.0	-2.9	-18.0	153	-20.7					18.14	1.24	1985	1973
400	531	7574	530	-15.8	-8.0	-25.0	133	-26.3					20.49	1.29	1974	1973
350	516	8564	515	-22.6	-14.7	-34.0	103	-31.6					27.77	1.27	1990	1976
300	504	9685	504	-30.5	-23.1	-40.5	65	-38.2					30.30	1.50	1984	1983
250	484	10955	484	-40.3	-32.1	-53.0	15	-44.5					36.56	1.57	1981	1972
200	461	12440	461	-52.5	-42.1	-64.1							45.17	1.66	1981	1983
175	430	13291	430	-59.1	-50.0	-71.5							51.86	2.01	1971	1983
150	402	14243	402	-66.2	-55.0	-81.3							59.65	2.23	1976	1983
125	343	15334	342	-72.5	-60.0	-84.0							69.00	2.63	1975	1974
100	295	16627	295	-78.2	-64.0	-87.5							76.98	2.23	1976	1982
80	247	17902	247	-77.0	-64.7	-89.0							80.59	2.25	1981	1977
70	227	18679	227	-73.3	-61.1	-85.0							93.11	2.45	1983	1977
60	195	19600	195	-68.3	-55.9	-83.3							92.92	3.74	1986	1987
50	173	20711	173	-63.0	-47.5	-78.9							114.18	4.60	1986	1987
40	133	22102	133	-57.4	-46.5	-74.0							151.93	5.23	1990	1975
30	101	23966	101	-51.6	-39.1	-68.0							189.65	5.35	1987	1971
25	85	25171	85	-48.2	-32.5	-66.0							201.45	6.29	1987	1971
20	64	26681	64	-44.4	-32.9	-56.1							189.50	2.58	1990	1984
15	43	28588	43	-41.6	-32.9	-53.3							187.02	2.41	1990	1984
10	27	31309	27	-38.7	-30.1	-49.5							158.14	1.20	1987	1984
7	16	33715	16	-37.8	-30.1	-46.7									1985	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

536 562 492

259 097 1682 -80.1

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	606	1007	606	26.8	30.0	18.0	606	24.4	372	280	0.1	0.3	0.71	0.75	1981	1977
<i>1000</i>	562	67	562	26.5	29.6	14.0	559	24.1					6.40	0.68	1983	1972
<i>950</i>	562	516	562	24.0	30.4	19.2	556	21.4					5.85	0.64	1987	1979
<i>900</i>	562	990	562	21.3	27.2	14.0	556	18.4					6.68	0.74	1981	1975
<i>850</i>	562	1485	562	19.0	26.0	11.0	555	14.8					7.18	0.74	1980	1975
<i>800</i>	561	2004	561	16.6	23.4	9.0	553	11.2					7.82	0.74	1984	1975
<i>750</i>	560	2549	560	13.8	20.6	6.0	548	6.8					8.02	0.87	1982	1975
<i>700</i>	560	3130	560	10.5	18.0	2.0	543	2.0					9.26	0.93	1974	1975
<i>650</i>	555	3741	554	6.6	14.0	-7.9	529	-1.9					10.60	0.95	1974	1983
<i>600</i>	552	4396	550	2.8	10.2	-3.0	497	-5.6					11.47	1.10	1990	1976
<i>550</i>	548	5093	546	-0.9	6.0	-6.3	373	-9.6					14.63	1.04	1974	1979
<i>500</i>	546	5851	543	-4.9	2.0	-11.0	288	-13.8					15.50	1.05	1974	1971
<i>450</i>	537	6669	536	-9.4	3.4	-24.0	250	-17.9					20.44	1.10	1985	1976
<i>400</i>	535	7576	534	-14.7	-7.0	-21.0	224	-23.4					20.89	1.04	1974	1971
<i>350</i>	516	8568	516	-21.4	-12.7	-30.0	194	-29.7					27.78	1.09	1990	1976
<i>300</i>	500	9694	500	-29.4	-21.9	-39.0	147	-37.4					29.87	1.25	1990	1976
<i>250</i>	482	10970	482	-39.3	-29.7	-47.0	50	-46.5					35.01	1.46	1990	1971
<i>200</i>	462	12460	462	-51.8	-36.0	-65.5							44.95	1.84	1975	1982
<i>175</i>	416	13313	415	-58.8	-46.3	-69.3							49.64	1.89	1989	1979
<i>150</i>	381	14263	380	-66.2	-54.9	-77.9							58.63	1.98	1989	1979
<i>125</i>	337	15346	336	-73.2	-61.0	-83.9							76.34	3.44	1972	1982
<i>100</i>	284	16634	283	-78.4	-66.0	-89.1							81.27	2.82	1972	1982
<i>80</i>	233	17914	233	-76.3	-65.1	-88.1							91.72	2.41	1983	1987
<i>70</i>	216	18691	216	-72.3	-59.3	-91.0							97.33	2.63	1979	1976
<i>60</i>	188	19612	188	-67.0	-54.1	-81.0							97.47	3.04	1989	1974
<i>50</i>	162	20731	162	-61.2	-45.9	-79.0							102.88	3.59	1989	1974
<i>40</i>	133	22135	133	-55.9	-43.7	-75.0							119.60	4.58	1983	1974
<i>30</i>	99	24009	99	-49.9	-35.9	-72.0							170.42	6.11	1983	1974
<i>25</i>	77	25200	77	-46.9	-35.1	-66.0							154.26	5.17	1981	1971
<i>20</i>	52	26711	52	-43.7	-31.3	-53.1							115.25	2.42	1984	1984
<i>15</i>	38	28641	38	-41.3	-32.1	-49.5							161.89	2.38	1987	1984
<i>10</i>	28	31359	28	-37.8	-26.5	-46.3							81.76	4.09	1987	1984
<i>7</i>	16	33803	16	-37.6	-30.7	-44.3									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
548	561	492					258	097	1683	-80.3

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	596	1008	596	25.5	30.0	22.0	596	23.7	361	252	0.5	0.8	0.59	0.59	1981	1971
1000	540	71	540	25.2	29.2	22.0	537	23.3					5.27	0.59	1983	1971
950	539	519	539	22.8	27.6	17.2	534	20.7					4.26	0.64	1983	1988
900	539	991	539	20.1	26.0	9.0	535	18.0					5.11	0.68	1975	1977
850	539	1483	539	17.4	23.0	12.4	535	14.8					4.91	0.73	1975	1980
800	539	2000	539	14.8	21.4	9.0	536	11.4					4.91	0.73	1989	1975
750	539	2542	539	12.2	19.8	6.0	533	7.6					5.08	0.79	1982	1988
700	539	3119	539	9.4	18.0	3.0	531	3.4					6.02	0.90	1990	1984
650	534	3729	534	6.3	14.2	0.4	520	-0.2					7.38	1.07	1990	1984
600	530	4384	530	3.0	11.0	-3.7	502	-3.5					8.70	1.14	1974	1979
550	521	5083	521	-0.6	7.0	-6.9	404	-6.9					11.61	1.17	1974	1979
500	518	5842	518	-4.6	5.0	-12.1	325	-11.8					13.22	1.20	1976	1980
450	507	6661	507	-9.3	-2.0	-17.7	307	-16.7					17.70	1.24	1974	1980
400	502	7567	502	-14.8	-7.0	-22.5	286	-22.1					20.09	1.32	1974	1985
350	485	8562	485	-21.4	-13.3	-30.3	247	-28.8					25.54	1.19	1989	1985
300	476	9689	476	-29.3	-20.5	-39.1	192	-37.0					29.03	1.35	1989	1982
250	466	10966	466	-39.2	-29.1	-51.9	53	-45.4					35.27	1.71	1989	1982
200	446	12459	446	-51.3	-40.0	-63.7							47.44	1.93	1976	1982
175	412	13317	412	-58.1	-47.0	-69.9							52.35	2.20	1976	1980
150	390	14275	390	-65.3	-54.0	-78.3							61.24	2.46	1973	1982
125	338	15368	338	-72.2	-56.0	-85.7							71.21	2.95	1974	1987
100	278	16665	277	-76.2	-62.0	-87.0							86.83	2.36	1974	1977
80	200	17955	200	-72.9	-60.1	-88.7							103.89	2.41	1979	1987
70	173	18738	173	-69.0	-56.7	-81.1							122.27	2.85	1982	1987
60	144	19661	144	-64.6	-52.0	-77.0							133.99	3.43	1973	1977
50	123	20798	123	-60.2	-47.3	-72.0							121.76	3.92	1982	1975
40	88	22210	88	-55.5	-43.7	-68.0							164.55	3.51	1981	1976
30	66	24054	66	-51.5	-39.1	-62.0							120.61	4.89	1981	1976
25	55	25244	55	-48.7	-32.9	-60.0							124.84	5.41	1987	1976
20	29	26771	29	-45.7	-30.9	-52.9							148.18	4.33	1983	1984
15	20	28649	20	-44.0	-36.3	-48.1									1982	1984
10	12	31288	12	-40.3	-31.5	-43.1									1983	1984
7	4	33839	4	-38.4	-37.5	-39.1									1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

527 558 496

242 103 1653 -78.3

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	611	1008	611	25.2	30.2	22.6	611	23.5	373	279	0.6	0.8	0.97	0.68	1981	1988
<i>1000</i>	569	76	569	24.9	29.2	22.2	566	23.0					6.69	0.62	1981	1989
<i>950</i>	569	523	569	22.2	27.8	17.2	566	20.3					6.20	0.43	1990	1984
<i>900</i>	569	994	569	19.4	26.4	14.0	565	17.3					6.95	0.50	1990	1975
<i>850</i>	569	1485	569	16.7	24.0	12.0	564	14.3					6.95	0.56	1990	1975
<i>800</i>	569	2001	569	14.1	20.4	4.6	563	11.0					7.08	0.60	1990	1981
<i>750</i>	568	2542	568	11.5	17.4	6.0	562	7.3					7.40	0.64	1983	1985
<i>700</i>	568	3118	568	8.7	15.0	3.0	560	3.3					7.43	0.73	1976	1976
<i>650</i>	563	3727	563	5.7	12.2	0.0	549	0.0					8.64	0.78	1988	1978
<i>600</i>	559	4380	559	2.4	9.0	-3.7	530	-3.3					9.64	0.85	1973	1979
<i>550</i>	551	5078	551	-1.2	11.0	-7.7	435	-7.1					12.75	0.92	1974	1979
<i>500</i>	544	5834	544	-5.2	5.0	-11.3	352	-11.9					12.98	0.99	1976	1989
<i>450</i>	534	6652	534	-9.8	8.2	-17.1	334	-17.1					17.04	0.97	1986	1985
<i>400</i>	528	7556	528	-15.4	-8.0	-29.3	312	-23.1					18.13	1.05	1972	1989
<i>350</i>	514	8547	514	-22.3	-15.0	-30.3	273	-30.1					23.44	1.00	1972	1989
<i>300</i>	504	9670	504	-30.2	-22.0	-40.1	207	-38.0					24.41	1.18	1972	1989
<i>250</i>	482	10942	482	-40.1	-30.9	-51.1	32	-46.0					30.05	1.52	1988	1989
<i>200</i>	464	12427	464	-52.3	-41.0	-65.1							42.94	1.90	1972	1989
<i>175</i>	421	13276	421	-59.2	-48.0	-72.3							48.81	2.15	1973	1989
<i>150</i>	383	14229	383	-66.2	-54.0	-82.0							56.41	2.27	1973	1974
<i>125</i>	335	15319	334	-72.7	-61.0	-83.0							68.51	2.88	1973	1977
<i>100</i>	288	16622	287	-75.1	-64.1	-87.0							86.27	2.62	1989	1977
<i>80</i>	234	17922	233	-70.8	-55.7	-84.9							95.64	3.21	1989	1982
<i>70</i>	194	18726	192	-67.3	-50.3	-83.0							103.66	3.54	1981	1976
<i>60</i>	178	19653	178	-63.8	-46.5	-76.0							107.97	3.53	1981	1973
<i>50</i>	153	20776	152	-60.2	-44.7	-75.0							125.22	3.37	1981	1978
<i>40</i>	106	22171	106	-56.1	-43.1	-64.0							136.84	3.19	1990	1973
<i>30</i>	81	24028	80	-51.8	-39.1	-61.3							136.30	4.24	1987	1982
<i>25</i>	63	25181	63	-50.0	-35.9	-59.0							207.36	4.23	1987	1973
<i>20</i>	35	26699	35	-46.8	-39.1	-56.3							110.87	2.55	1983	1984
<i>15</i>	24	28602	24	-44.8	-37.1	-54.3							172.64	2.89	1980	1984
<i>10</i>	17	31374	17	-41.1	-33.7	-51.5									1980	1984
<i>7</i>	8	33729	8	-39.8	-32.5	-48.7									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
556	565	487					280	107	1624	-77.6

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	503	1009	603	25.2	29.6	22.0	603	23.5	404	280	0.6	0.7	0.87	0.48	1981	1986
1000	554	79	550	24.8	29.0	22.0	547	23.0					5.77	0.43	1981	1972
950	550	524	550	22.0	26.2	15.2	547	20.3					5.11	0.35	1982	1980
900	550	996	549	19.3	25.0	13.2	546	17.4					6.40	0.50	1973	1980
850	550	1487	550	16.6	24.0	11.0	547	14.2					6.39	0.56	1973	1980
800	548	2903	548	14.0	22.0	8.0	543	10.9					6.20	0.65	1973	1974
750	548	2542	548	11.4	18.0	6.0	538	7.4					6.35	0.67	1973	1974
700	548	3119	548	8.7	15.2	2.0	536	3.2					6.63	0.72	1989	1974
650	542	3727	542	5.7	12.0	0.0	525	-0.6					7.10	0.76	1973	1974
600	542	4381	542	2.3	8.0	-5.0	507	-4.0					8.26	0.86	1973	1974
550	535	5077	535	-1.3	5.0	-10.0	402	-7.6					10.61	0.98	1989	1974
500	532	5834	532	-5.5	2.4	-17.0	349	-12.3					12.05	1.12	1989	1974
450	525	6651	525	-10.1	-0.5	-22.0	329	-17.4					15.91	1.18	1989	1974
400	519	7554	519	-15.7	-3.9	-28.0	301	-23.6					18.03	1.28	1989	1974
350	505	8543	505	-22.7	-8.1	-35.0	248	-30.4					25.44	1.38	1989	1974
300	498	9664	498	-31.0	-15.9	-46.0	194	-38.7					29.17	1.54	1989	1974
250	487	10932	487	-40.9	-24.3	-54.0	40	-47.8					36.33	1.68	1989	1974
200	467	12412	467	-53.2	-44.0	-67.1							45.24	1.69	1971	1982
175	431	13263	431	-60.0	-50.0	-72.0							51.63	1.90	1971	1976
150	388	14210	388	-67.0	-55.0	-79.0							60.73	2.16	1971	1974
125	337	15290	337	-73.5	-60.0	-85.0							70.66	2.51	1971	1974
100	288	16584	288	-75.5	-60.0	-89.0							75.41	2.80	1978	1974
80	222	17887	222	-70.4	-55.0	-85.0							84.84	3.76	1978	1974
70	193	18685	193	-67.1	-51.0	-84.0							96.25	4.08	1978	1974
60	171	19621	171	-63.7	-50.1	-84.0							107.19	4.37	1985	1974
50	151	20753	151	-59.9	-45.1	-82.0							132.37	5.44	1982	1974
40	110	22199	110	-55.7	-43.9	-72.0							126.33	3.42	1985	1973
30	79	24056	79	-51.5	-38.1	-70.0							153.75	4.54	1985	1973
25	56	25255	56	-49.2	-36.9	-69.0							235.53	5.52	1985	1973
20	38	26773	38	-45.0	-38.3	-54.9							156.04	2.40	1989	1988
15	27	28703	27	-42.6	-35.3	-52.1							209.88	2.35	1989	1985
10	12	31354	12	-40.5	-31.1	-48.7									1989	1985
7	5	33664	5	-41.4	-35.5	-46.1									1984	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

538	567	483														
			1	138	1463	-73.9				270	109	1608	-78.0			

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	579	1009	579	25.5	30.6	23.0	578	23.6	390	330	0.1	0.4	0.81	0.52	1982	1972
1000	534	80	534	25.1	30.0	22.6	532	23.1					6.87	0.42	1982	1989
950	533	527	533	22.3	28.0	16.4	531	20.2					5.81	0.42	1972	1980
900	533	998	533	19.7	30.6	13.8	531	17.3					7.17	0.59	1990	1980
850	533	1489	533	17.0	24.0	11.0	530	14.0					7.34	0.65	1972	1975
800	532	2005	532	14.5	20.2	8.0	529	10.7					7.56	0.69	1979	1975
750	529	2547	528	11.9	18.0	5.0	523	7.2					6.91	0.77	1972	1976
700	528	3124	527	9.2	16.0	2.8	519	3.2					8.09	0.85	1973	1980
650	524	3734	522	6.0	12.6	-2.1	501	-0.6					8.37	0.91	1982	1980
600	521	4386	521	2.5	11.0	-4.0	483	-4.1					9.59	1.01	1976	1974
550	513	5084	513	-1.3	4.0	-8.0	400	-8.2					11.87	1.06	1971	1974
500	508	5841	508	-5.5	0.0	-14.0	348	-12.9					14.15	1.12	1971	1974
450	496	6658	495	-10.1	-2.7	-18.0	317	-18.1					16.80	1.19	1979	1974
400	488	7560	487	-15.7	-8.5	-26.0	275	-24.1					20.32	1.43	1988	1974
350	481	8552	481	-22.6	-15.1	-30.0	218	-30.8					24.83	1.49	1979	1974
300	473	9673	473	-30.8	-22.9	-40.0	137	-38.6					29.58	1.72	1988	1974
250	454	10941	454	-40.9	-28.0	-50.0	18	-47.9					38.10	1.88	1974	1974
200	434	12422	433	-53.5	-41.1	-64.0							49.95	2.22	1989	1974
175	397	13273	397	-60.1	-47.7	-71.0							57.96	2.33	1989	1974
150	370	14217	370	-67.4	-55.0	-80.1							69.91	2.58	1971	1985
125	318	15295	318	-74.0	-62.0	-88.0							78.61	2.55	1972	1974
100	267	16592	267	-75.8	-61.0	-87.0							85.15	2.71	1975	1974
80	212	17892	212	-71.5	-60.1	-87.0							106.47	4.05	1985	1974
70	191	18691	191	-67.8	-55.7	-80.0							111.16	4.05	1989	1973
60	162	19623	162	-64.5	-53.1	-77.0							111.58	4.43	1984	1973
50	137	20742	137	-60.8	-46.7	-75.0							98.40	4.09	1982	1973
40	94	22166	94	-57.3	-42.1	-72.0							157.94	4.58	1984	1973
30	70	24023	70	-52.7	-34.9	-68.0							198.64	5.04	1984	1973
25	53	25219	53	-50.3	-38.7	-65.0							265.49	5.14	1982	1978
20	34	26769	34	-46.4	-38.1	-55.9							190.12	4.36	1985	1988
15	26	28654	26	-44.5	-36.5	-53.3							236.02	4.01	1989	1981
10	15	31403	15	-39.3	-29.7	-46.1									1987	1988
7	2	33833	2	-38.4	-32.7	-44.1									1986	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

487 565 487

263 111 1601 -78.0

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	609	1009	609	25.5	30.0	20.2	609	23.5	404	258	0.0	0.2	0.74	0.62	1983	1984
<i>1000</i>	557	84	557	25.1	29.4	20.0	554	23.1					5.70	0.56	1983	1982
<i>950</i>	557	531	557	22.7	28.0	16.0	553	20.1					4.90	0.63	1987	1982
<i>900</i>	557	1004	557	20.0	27.8	14.6	554	17.0					6.35	0.82	1987	1982
<i>850</i>	557	1495	557	17.3	24.6	12.0	551	14.0					7.06	0.85	1982	1971
<i>800</i>	557	2012	556	14.7	21.6	8.0	551	10.4					7.66	0.86	1982	1971
<i>750</i>	556	2553	555	12.0	24.0	6.0	542	6.5					7.86	0.80	1977	1971
<i>700</i>	555	3130	553	9.0	15.0	2.0	533	2.5					8.54	0.80	1977	1971
<i>650</i>	554	3740	553	5.8	13.0	-4.9	518	-1.2					9.57	0.91	1973	1982
<i>600</i>	551	4392	550	2.4	11.0	-4.0	485	-4.6					10.45	1.04	1973	1974
<i>550</i>	549	5091	549	-1.3	6.0	-10.0	370	-8.6					14.14	1.09	1973	1974
<i>500</i>	546	5848	546	-5.5	1.2	-16.0	320	-13.6					19.57	1.24	1983	1974
<i>450</i>	532	6662	532	-10.1	9.2	-22.0	293	-18.8					20.33	1.48	1979	1974
<i>400</i>	528	7565	528	-15.7	-6.9	-28.7	246	-24.1					24.51	1.66	1983	1982
<i>350</i>	521	8556	521	-22.5	-13.1	-34.0	198	-31.0					32.96	1.88	1987	1974
<i>300</i>	511	9676	511	-30.9	-22.0	-42.0	141	-38.6					40.46	2.04	1972	1974
<i>250</i>	504	10944	504	-41.1	-30.0	-53.0	23	-46.4					51.16	2.04	1972	1975
<i>200</i>	493	12423	493	-53.9	-41.0	-68.0							62.88	2.18	1972	1974
<i>175</i>	441	13275	441	-60.5	-48.0	-74.0							66.76	2.20	1972	1974
<i>150</i>	404	14220	404	-67.6	-54.0	-84.0							75.92	2.45	1972	1974
<i>125</i>	335	15299	334	-74.0	-59.0	-91.0							85.75	2.75	1972	1974
<i>100</i>	289	16593	289	-77.1	-64.0	-88.0							92.57	2.55	1972	1978
<i>80</i>	233	17890	233	-72.7	-59.1	-87.0							86.21	2.95	1985	1975
<i>70</i>	209	18688	209	-68.8	-51.3	-87.0							91.43	3.58	1985	1975
<i>60</i>	176	19620	176	-64.7	-49.1	-80.0							97.53	4.32	1985	1975
<i>50</i>	153	20746	153	-60.2	-44.5	-76.0							114.66	4.45	1980	1973
<i>40</i>	112	22166	112	-56.0	-43.1	-74.0							159.01	5.27	1985	1973
<i>30</i>	90	24039	90	-50.8	-36.1	-70.0							182.16	5.45	1985	1973
<i>25</i>	70	25273	70	-47.1	-35.1	-58.7							167.35	4.39	1987	1981
<i>20</i>	57	26760	57	-44.5	-29.9	-55.1							215.29	4.49	1987	1981
<i>15</i>	37	28713	37	-41.8	-24.5	-50.7							131.31	3.10	1987	1982
<i>10</i>	21	31429	21	-39.0	-28.1	-47.1							200.90	2.54	1986	1988
<i>7</i>	5	33678	5	-38.5	-35.3	-44.7									1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

551 566 485

273 106 1628 -78.9

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	594	1010	594	25.2	29.0	20.2	594	23.0	391	081	0.1	0.4	0.92	0.62	1980	1979
<i>1000</i>	551	88	551	24.8	28.8	21.0	546	22.4					7.54	0.52	1982	1971
<i>950</i>	551	535	551	22.6	28.4	17.8	545	19.2					8.07	0.68	1983	1983
<i>900</i>	551	1006	551	19.8	28.0	14.0	545	16.0					7.39	0.86	1989	1974
<i>850</i>	550	1497	550	16.9	22.2	11.0	544	12.8					7.29	0.91	1982	1974
<i>800</i>	549	2013	549	14.1	20.0	8.0	534	9.2					7.71	0.97	1977	1974
<i>750</i>	548	2553	548	11.6	17.0	5.8	514	4.9					7.74	0.83	1977	1983
<i>700</i>	547	3129	547	8.8	14.0	3.8	480	1.3					8.96	0.94	1975	1987
<i>650</i>	540	3739	539	5.7	11.0	0.4	455	-2.3					10.16	0.98	1973	1983
<i>600</i>	537	4391	537	2.2	8.0	-3.0	421	-6.1					12.10	1.01	1973	1974
<i>550</i>	532	5088	532	-1.5	6.0	-7.0	307	-9.0					14.43	1.15	1973	1974
<i>500</i>	530	5843	530	-5.7	0.2	-13.0	248	-13.2					17.56	1.25	1982	1974
<i>450</i>	525	6660	525	-10.3	8.4	-20.0	235	-18.5					21.33	1.54	1979	1974
<i>400</i>	515	7561	515	-16.0	-8.1	-29.0	204	-24.1					26.97	1.74	1989	1974
<i>350</i>	504	8551	504	-23.0	-15.5	-37.0	161	-30.7					36.26	1.96	1988	1974
<i>300</i>	496	9669	496	-31.2	-23.3	-46.0	117	-39.1					43.31	2.15	1980	1974
<i>250</i>	483	10935	483	-41.4	-30.0	-56.0	13	-46.2					55.07	2.40	1978	1974
<i>200</i>	462	12409	462	-54.1	-42.3	-68.0							69.42	2.76	1980	1974
<i>175</i>	413	13260	413	-60.5	-48.3	-76.0							73.53	2.55	1985	1974
<i>150</i>	383	14204	383	-67.7	-56.3	-84.0							84.96	2.81	1980	1974
<i>125</i>	307	15298	307	-73.8	-64.5	-90.0							87.95	2.93	1986	1978
<i>100</i>	257	16578	257	-78.7	-67.5	-87.5							88.84	1.92	1980	1982
<i>80</i>	207	17854	207	-75.4	-60.1	-86.0							88.86	2.63	1980	1972
<i>70</i>	193	18633	193	-71.1	-55.9	-83.0							89.75	3.05	1980	1971
<i>60</i>	169	19563	169	-66.5	-49.5	-79.9							103.75	3.46	1982	1979
<i>50</i>	150	20692	150	-61.7	-45.1	-78.1							107.52	3.65	1987	1979
<i>40</i>	111	22107	110	-56.6	-38.3	-70.0							127.85	5.03	1987	1971
<i>30</i>	79	23980	79	-51.2	-35.9	-66.0							184.91	5.00	1985	1971
<i>25</i>	62	25176	62	-48.5	-30.1	-64.0							190.60	5.77	1985	1971
<i>20</i>	43	26715	43	-45.5	-33.3	-56.9							181.01	3.76	1986	1985
<i>15</i>	32	28620	32	-42.9	-30.5	-57.5							227.14	4.42	1986	1985
<i>10</i>	19	31301	19	-39.8	-28.7	-58.1									1981	1985
<i>7</i>	8	33773	8	-36.6	-30.9	-43.1									1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

538 568 481

231 102 1650 -80.6

NORMALS OF RADIOSONDE DATA

43353 KOCHI (CHN)

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	612	1011	612	24.7	29.0	19.0	612	21.5	372	049	0.1	0.2	0.74	0.76	1980	1971
1000	531	94	531	24.4	30.0	20.0	524	20.7					5.34	0.68	1973	1971
950	531	540	531	22.4	28.6	17.0	524	17.3					6.38	0.65	1985	1971
900	531	1011	531	19.4	25.2	10.2	523	14.0					5.90	0.57	1985	1979
850	531	1501	531	16.6	22.6	8.0	517	10.7					6.32	0.66	1985	1974
800	531	2017	531	14.2	20.4	8.0	507	6.4					6.83	0.85	1990	1973
750	530	2558	530	12.0	19.0	5.0	474	2.1					6.80	0.86	1978	1974
700	530	3134	530	9.2	15.8	4.0	432	-1.4					8.39	0.96	1985	1974
650	527	3744	526	5.9	12.0	-9.0	387	-4.2					9.62	1.02	1985	1974
600	526	4396	526	2.4	9.4	-4.0	369	-7.6					11.30	1.01	1982	1974
550	520	5093	520	-1.5	5.4	-11.0	253	-11.7					14.05	0.98	1982	1976
500	518	5848	518	-5.8	0.6	-17.0	202	-16.2					15.65	1.04	1983	1977
450	510	6663	510	-10.7	9.4	-20.0	172	-21.3					20.04	1.33	1981	1974
400	508	7563	508	-16.4	-8.5	-30.0	127	-26.8					24.16	1.56	1983	1974
350	503	8552	503	-23.5	-14.1	-34.0	86	-32.8					31.88	1.58	1983	1974
300	495	9668	495	-31.8	-20.7	-43.0	60	-39.6					36.60	1.84	1983	1974
250	471	10931	471	-41.8	-29.7	-52.0	6	-42.2					45.52	1.80	1983	1974
200	449	12404	449	-54.2	-41.0	-66.0							55.29	1.81	1973	1974
175	410	13243	410	-60.9	-52.0	-74.0							64.16	1.95	1972	1977
150	375	14184	375	-67.6	-57.0	-80.0							69.87	1.91	1975	1974
125	304	15273	304	-73.7	-62.0	-89.0							78.49	2.25	1972	1974
100	264	16563	264	-78.7	-66.0	-87.5							110.50	2.26	1972	1981
80	213	17836	213	-76.6	-62.5	-90.0							120.85	2.59	1986	1974
70	197	18614	197	-72.6	-59.7	-85.0							125.05	3.13	1986	1972
60	169	19532	169	-67.4	-53.9	-82.9							132.63	3.87	1988	1988
50	147	20644	147	-62.0	-47.9	-76.0							151.41	3.64	1988	1973
40	111	22059	111	-56.6	-44.1	-74.0							176.65	4.55	1984	1973
30	96	23922	96	-50.3	-34.9	-70.0							239.00	5.49	1986	1973
25	77	25144	77	-47.4	-33.9	-64.0							217.19	5.64	1986	1971
20	48	26644	48	-44.9	-33.1	-54.3							177.19	3.24	1986	1986
15	35	28563	35	-42.7	-27.7	-51.9							200.43	3.40	1986	1986
10	25	31371	25	-39.4	-19.9	-48.3							183.86	1.51	1986	1986
7	9	33763	9	-40.1	-36.5	-45.3									1989	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
524	567	433					224	098	1668	-80.7

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	615	1014	615	13.9	21.2	8.6	615	12.2	615	002	0.4	0.6	0.89	0.80	1981	1989
<i>1000</i>	604	124	604	15.0	21.2	7.0	604	11.0	603	004	2.7	4.3	7.16	0.89	1981	1974
<i>950</i>	604	551	604	16.3	26.2	9.0	604	6.6	603	347	2.9	5.0	14.80	1.10	1980	1975
<i>900</i>	604	1019	604	13.6	23.8	5.0	598	3.3	603	319	3.9	5.6	8.38	0.98	1980	1974
<i>850</i>	604	1498	604	11.2	20.4	4.0	569	0.1	603	307	6.3	7.5	8.91	1.05	1980	1974
<i>800</i>	604	2003	604	9.1	17.0	2.0	509	-3.5	602	300	8.0	9.2	9.78	1.08	1980	1975
<i>750</i>	604	2535	604	7.2	16.4	-2.1	411	-6.8	601	295	9.7	10.9	10.01	1.36	1988	1983
<i>700</i>	604	3100	603	4.8	15.2	-5.0	359	-10.1	601	288	11.7	12.7	10.57	1.68	1990	1976
<i>650</i>	603	3701	602	1.9	13.4	-5.7	303	-13.0	600	282	13.8	14.7	12.89	1.84	1990	1979
<i>600</i>	602	4343	600	-1.6	9.2	-15.7	270	-16.7	598	278	16.1	17.2	13.94	1.77	1989	1980
<i>550</i>	600	5033	598	-5.7	5.2	-15.1	239	-20.4	596	275	18.9	20.2	19.91	1.74	1989	1981
<i>500</i>	600	5772	599	-10.3	0.8	-19.9	217	-24.3	594	273	22.0	23.3	20.22	1.90	1989	1981
<i>450</i>	594	6577	593	-15.5	4.0	-25.3	215	-29.0	584	271	25.8	27.3	26.63	2.05	1989	1979
<i>400</i>	590	7458	590	-21.2	-8.3	-31.7	202	-34.1	581	268	29.7	31.4	29.92	2.10	1989	1982
<i>350</i>	577	8433	577	-27.6	-12.0	-39.0	189	-40.0	565	267	32.9	34.7	37.93	2.30	1977	1978
<i>300</i>	572	9525	572	-35.1	-21.7	-47.0	159	-46.7	559	263	37.3	39.1	45.34	2.34	1989	1978
<i>250</i>	558	10774	558	-44.0	-33.9	-56.1	104	-54.0	547	260	40.2	42.2	55.07	2.25	1990	1982
<i>200</i>	542	12238	542	-54.6	-45.5	-66.5	1	-56.0	529	256	40.7	42.4	67.58	2.07	1990	1985
<i>175</i>	512	13081	512	-60.2	-50.5	-71.9			499	255	38.3	39.8	70.69	1.72	1981	1985
<i>150</i>	495	14028	495	-65.9	-55.1	-79.0			483	256	35.2	36.5	74.38	1.55	1983	1978
<i>125</i>	456	15118	456	-71.6	-51.9	-86.0			448	258	30.0	31.1	82.85	1.73	1983	1978
<i>100</i>	430	16420	430	-76.3	-67.1	-86.1			420	260	23.4	24.5	86.24	1.61	1990	1986
<i>80</i>	380	17704	380	-76.4	-61.1	-87.3			367	265	16.4	18.2	88.25	2.09	1989	1981
<i>70</i>	351	18475	351	-73.9	-54.1	-88.1			336	267	13.6	15.4	92.44	2.27	1989	1979
<i>60</i>	305	19382	305	-69.6	-56.0	-81.9			294	274	10.4	13.4	91.42	2.27	1972	1984
<i>50</i>	247	20478	247	-64.6	-52.1	-80.0			237	277	7.3	11.5	100.13	2.74	1989	1972
<i>40</i>	172	21854	172	-59.6	-47.1	-80.0			165	279	5.3	10.1	104.36	3.04	1988	1972
<i>30</i>	119	23683	119	-55.3	-42.3	-73.3			113	287	3.7	9.9	130.33	3.68	1981	1985
<i>25</i>	78	24842	78	-53.7	-41.1	-67.0			73	274	4.6	11.2	166.45	4.78	1988	1972
<i>20</i>	46	26303	46	-51.6	-38.1	-62.7			41	279	5.4	12.4	195.53	5.58	1988	1980
<i>15</i>	20	28146	20	-50.2	-42.1	-60.1			18	282	7.7	13.3			1980	1985
<i>10</i>	6	30750	6	-50.8	-43.1	-59.1			6	279	14.3	18.2			1984	1985
<i>7</i>	4	32921	4	-51.3	-42.5	-58.5			4	276	13.2	13.5			1983	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

601	625	402		19	213	1198	-58.9		408	097	1661	-78.0
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NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	537	1012	537	16.9	25.0	8.0	537	14.9	537	356	0.3	0.9	1.38	0.97	1978	1974
<i>1000</i>	514	107	514	17.7	27.0	10.0	514	13.5	513	341	1.6	4.0	11.55	0.96	1973	1972
<i>950</i>	514	538	514	18.7	28.0	10.0	510	8.2	513	311	2.3	5.5	16.15	1.08	1974	1972
<i>900</i>	514	1009	514	16.1	25.0	8.0	505	4.7	513	294	3.5	5.6	12.87	1.07	1980	1972
<i>850</i>	514	1492	514	13.1	22.0	4.0	489	2.0	512	288	5.8	7.2	13.36	1.07	1977	1972
<i>800</i>	514	2000	514	10.0	19.0	3.4	467	-1.3	511	287	8.1	9.3	13.60	1.11	1974	1982
<i>750</i>	514	2530	514	7.3	18.2	-0.3	426	-4.6	510	289	10.1	11.5	13.29	1.28	1989	1982
<i>700</i>	514	3098	514	4.2	12.0	-3.0	380	-8.4	510	286	12.1	13.1	15.33	1.26	1976	1978
<i>650</i>	510	3695	510	1.4	15.0	-6.9	328	-12.5	507	282	13.9	14.9	15.11	1.49	1974	1983
<i>600</i>	509	4339	509	-2.1	6.4	-10.1	290	-16.1	507	278	16.3	17.3	17.62	1.51	1985	1982
<i>550</i>	508	5029	508	-6.1	2.4	-15.7	245	-20.6	507	274	19.1	20.3	19.67	1.53	1985	1982
<i>500</i>	506	5765	504	-10.8	-1.3	-18.9	229	-25.0	503	271	21.9	23.2	21.39	1.68	1985	1990
<i>450</i>	501	6568	500	-15.9	-6.0	-23.9	214	-29.9	497	268	25.4	26.9	23.17	2.06	1974	1982
<i>400</i>	500	7448	500	-21.6	-10.7	-32.0	195	-34.8	495	267	28.8	30.6	29.14	2.24	1985	1974
<i>350</i>	488	8421	488	-27.9	-16.7	-37.1	174	-40.3	482	265	33.2	35.3	34.11	2.45	1985	1981
<i>300</i>	484	9512	484	-35.2	-24.0	-46.5	139	-46.6	478	263	37.2	39.3	43.21	2.44	1977	1982
<i>250</i>	473	10760	473	-44.1	-32.0	-56.5	110	-54.5	466	260	40.0	42.2	54.52	2.50	1977	1990
<i>200</i>	465	12226	464	-54.2	-42.3	-67.7	1	-61.0	455	258	40.1	42.1	67.33	2.13	1990	1982
<i>175</i>	444	13071	443	-59.7	-48.9	-75.5			432	259	37.8	39.7	72.95	2.04	1990	1982
<i>150</i>	419	14024	418	-65.5	-52.5	-82.3			404	259	33.7	35.6	78.61	1.86	1990	1982
<i>125</i>	393	15116	393	-71.3	-56.5	-85.3			382	260	29.4	30.8	80.17	1.81	1990	1981
<i>100</i>	370	16417	369	-76.2	-60.9	-87.5			361	261	23.4	24.6	82.09	1.90	1990	1985
<i>80</i>	323	17704	322	-76.4	-65.9	-85.5			310	265	17.2	18.4	88.35	1.47	1982	1985
<i>70</i>	296	18476	296	-74.0	-60.0	-83.5			282	266	13.2	15.1	93.76	1.25	1977	1987
<i>60</i>	258	19381	258	-69.5	-55.9	-83.5			239	271	11.0	13.3	94.57	1.41	1980	1985
<i>50</i>	208	20486	208	-64.0	-51.5	-78.1			196	277	8.3	11.7	102.15	2.65	1986	1985
<i>40</i>	150	21865	150	-59.3	-47.0	-75.9			140	277	6.5	10.6	115.62	2.71	1977	1984
<i>30</i>	106	23670	106	-55.7	-42.7	-75.7			100	276	3.9	10.0	119.79	2.16	1988	1984
<i>25</i>	74	24816	74	-53.7	-37.1	-73.9			68	264	3.7	9.8	142.11	2.58	1988	1984
<i>20</i>	45	26261	45	-51.7	-42.1	-67.3			37	276	4.9	9.8	216.49	3.19	1985	1984
<i>15</i>	21	28072	21	-50.8	-45.3	-59.5			19	262	4.4	11.6	271.59	2.98	1984	1984
<i>10</i>	10	30765	10	-47.7	-41.5	-54.3			8	254	11.9	13.5			1986	1984
<i>7</i>	5	32883	5	-49.3	-46.1	-52.7			4	260	13.6	14.3			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
512	633	392	5	200	1231	-60.9		352	097	1664	-78.0

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	1009	589	21.7	30.8	13.4	588	19.6	589	196	0.6	1.3	0.97	0.97	1990	1984
1000	581	84	581	22.1	28.6	13.0	580	18.6	581	244	1.4	3.5	8.39	0.82	1983	1984
950	581	522	581	23.3	32.0	13.2	576	11.9	581	257	3.5	6.5	14.30	1.05	1976	1990
900	581	1002	581	21.2	30.0	11.4	572	7.3	581	271	4.1	6.3	7.85	1.23	1977	1990
850	581	1493	581	17.9	26.0	9.0	567	3.6	581	276	4.9	6.4	7.92	1.25	1984	1973
800	581	2009	581	14.1	22.2	6.0	559	0.6	580	281	6.6	7.8	8.36	1.19	1989	1971
750	581	2545	580	10.1	20.0	2.0	539	-3.0	580	284	9.1	10.1	10.77	1.14	1973	1986
700	581	3119	580	6.1	19.0	-2.1	500	-6.3	581	287	10.9	12.0	10.67	1.13	1974	1981
650	579	3718	578	2.2	12.0	-9.3	448	-10.4	579	287	12.3	13.4	14.54	1.11	1989	1986
600	579	4364	579	-1.4	8.6	-12.1	379	-14.4	579	284	13.4	14.5	12.90	1.22	1988	1981
550	578	5057	577	-5.5	7.0	-16.1	328	-19.4	578	280	14.7	15.8	14.83	1.27	1988	1981
500	575	5795	574	-10.2	-1.9	-21.3	291	-24.2	574	275	16.5	17.7	16.98	1.31	1988	1981
450	572	6601	571	-15.6	-7.1	-26.3	252	-29.2	567	272	19.3	20.7	20.50	1.39	1988	1981
400	571	7479	570	-21.5	-9.0	-33.5	232	-34.7	565	269	22.1	23.9	23.74	1.70	1973	1981
350	558	8452	557	-28.1	-18.0	-41.9	206	-40.6	553	267	25.8	27.9	29.14	1.87	1978	1981
300	553	9542	553	-35.3	-24.7	-48.9	174	-47.2	549	264	30.2	32.6	35.47	2.00	1990	1981
250	541	10791	541	-43.7	-34.3	-55.3	103	-54.3	538	260	34.2	36.8	43.59	1.93	1990	1981
200	525	12259	525	-53.2	-43.5	-65.1	4	-60.3	521	258	35.2	37.3	51.33	1.73	1990	1982
175	509	13107	509	-58.7	-48.3	-70.1			504	259	33.3	35.4	55.75	1.94	1983	1981
150	490	14060	489	-64.3	-50.0	-79.5			482	259	30.2	31.9	61.23	2.22	1977	1982
125	455	15157	454	-70.2	-58.5	-82.1			445	260	26.3	27.7	65.11	2.56	1990	1982
100	416	16464	415	-75.1	-63.3	-86.1			401	261	20.0	21.3	78.11	2.26	1987	1982
80	372	17751	370	-75.9	-58.1	-85.9			353	265	13.2	15.3	87.55	2.08	1989	1988
70	343	18525	343	-73.6	-58.1	-83.1			326	268	10.4	13.0	86.54	2.20	1989	1987
60	315	19439	315	-69.3	-55.1	-79.7			295	279	7.0	10.7	88.87	2.37	1989	1983
50	258	20546	258	-63.6	-49.9	-73.3			238	288	4.0	9.3	90.49	2.07	1989	1984
40	196	21934	196	-58.4	-46.5	-72.1			176	302	2.3	7.9	101.61	2.11	1983	1985
30	137	23753	137	-53.9	-44.1	-72.5			120	316	1.4	8.1	107.38	2.25	1983	1985
25	95	24913	95	-51.9	-39.9	-70.9			80	311	1.7	9.0	119.47	2.88	1983	1985
20	54	26381	54	-49.6	-37.9	-68.9			41	300	3.6	11.2	164.22	2.90	1983	1985
15	25	28285	25	-47.9	-34.3	-66.7			19	274	9.4	12.3	143.85	4.37	1983	1985
10	14	30943	14	-45.7	-32.7	-63.1			9	269	15.9	17.8			1983	1985
7	9	33385	9	-41.4	-31.1	-54.9			7	263	14.4	16.1			1983	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

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2ND TROPOPAUSE

N P ALT T

577	618	412		6	204	1210	-59.8		394	095	1679	-77.4
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NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	570	1005	570	25.4	29.0	16.2	570	23.5	570	179	1.6	2.2	0.92	0.79	1973	1990
<i>1000</i>	560	52	550	25.4	29.0	16.4	550	22.9	548	189	2.2	3.2	8.99	0.77	1973	1990
<i>950</i>	560	492	560	25.3	33.6	18.0	559	17.4	558	221	6.0	8.0	15.60	1.22	1988	1978
<i>900</i>	560	978	560	24.4	36.0	15.8	554	10.8	558	248	5.9	7.9	8.25	1.27	1980	1990
<i>850</i>	560	1476	560	21.5	32.0	14.0	550	6.1	558	265	5.6	7.1	8.56	1.22	1980	1971
<i>800</i>	560	1998	560	17.6	27.6	10.0	545	2.6	557	275	6.1	7.3	9.22	1.12	1980	1971
<i>750</i>	560	2539	560	13.2	22.2	6.0	540	-0.7	557	281	7.7	8.7	11.26	1.11	1980	1982
<i>700</i>	560	3120	560	8.4	16.8	1.0	536	-4.0	557	285	9.7	10.7	11.61	1.06	1990	1975
<i>650</i>	558	3723	557	3.6	13.8	-4.7	511	-7.6	554	287	11.5	12.7	15.49	1.18	1990	1981
<i>600</i>	552	4373	552	-0.7	9.2	-8.9	456	-11.7	548	287	12.8	14.0	14.04	1.17	1990	1982
<i>550</i>	549	5067	549	-4.7	4.2	-13.9	380	-17.3	545	286	13.1	14.4	19.47	1.32	1990	1982
<i>500</i>	545	5808	545	-8.8	-0.1	-18.9	296	-22.8	541	282	13.8	15.3	18.70	1.24	1988	1982
<i>450</i>	544	6616	544	-13.9	-4.3	-25.5	259	-28.1	538	277	15.5	17.2	25.96	1.20	1989	1982
<i>400</i>	540	7502	540	-20.0	-8.7	-31.5	227	-33.3	532	273	18.3	20.1	25.58	1.32	1990	1982
<i>350</i>	526	8482	526	-26.5	-14.5	-40.1	224	-39.0	516	269	21.1	23.2	32.29	1.50	1990	1982
<i>300</i>	514	9581	514	-34.0	-22.5	-49.5	181	-46.0	504	267	24.3	26.8	36.42	1.89	1990	1982
<i>250</i>	502	10835	502	-42.9	-31.5	-57.1	116	-54.3	489	264	27.9	30.6	45.61	2.04	1990	1982
<i>200</i>	487	12306	487	-53.1	-42.1	-65.5	3	-58.3	476	263	28.7	31.3	55.95	2.10	1990	1982
<i>175</i>	455	13158	455	-58.6	-48.1	-68.7			444	263	27.1	29.3	61.76	2.00	1990	1983
<i>150</i>	441	14112	441	-64.6	-49.5	-74.1			432	262	23.6	25.3	67.61	1.92	1990	1982
<i>125</i>	413	15205	413	-70.9	-54.5	-82.3			404	264	19.8	21.4	79.26	2.19	1990	1989
<i>100</i>	382	16505	382	-76.3	-61.1	-86.5			375	268	12.9	15.3	92.91	2.09	1990	1982
<i>80</i>	346	17789	346	-76.6	-63.3	-88.1			337	277	7.2	11.0	101.84	2.23	1990	1982
<i>70</i>	325	18561	325	-73.8	-55.5	-84.0			314	285	3.7	8.7	106.96	2.34	1989	1978
<i>60</i>	294	19481	294	-68.7	-49.7	-81.0			280	318	2.4	7.9	111.91	2.61	1989	1978
<i>50</i>	252	20588	252	-62.3	-46.1	-78.0			236	022	1.1	6.9	118.59	2.48	1989	1978
<i>40</i>	197	21979	196	-57.1	-46.0	-70.1			183	068	1.4	6.8	125.68	1.96	1974	1984
<i>30</i>	149	23828	149	-52.1	-40.7	-63.1			133	065	2.5	7.2	124.86	1.94	1984	1982
<i>25</i>	120	24996	120	-49.7	-36.7	-60.9			107	064	1.8	7.2	129.97	2.39	1984	1982
<i>20</i>	87	26463	87	-47.4	-33.9	-57.9			76	076	1.1	7.5	163.99	2.04	1984	1982
<i>15</i>	56	28356	56	-45.7	-30.1	-54.9			46	115	0.7	7.5	185.86	2.17	1984	1982
<i>10</i>	25	31092	25	-42.0	-30.5	-50.7			21	324	1.7	8.4	181.56	3.63	1985	1983
<i>7</i>	6	33353	6	-43.5	-39.5	-51.1			6	057	1.2	8.0			1983	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

553 606 429

4 144 1420 -72.4

361 095 1683 -78.3

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	609	1002	609	26.5	32.8	20.0	609	24.8	609	171	1.5	2.2	1.41	0.81	1984	1977
<i>1000</i>	576	28	466	26.2	33.0	20.0	466	24.1	464	175	1.7	2.6	12.22	0.83	1972	1977
<i>950</i>	580	469	580	25.6	34.0	12.0	579	20.6	579	203	6.2	8.4	18.00	1.23	1975	1986
<i>900</i>	580	956	580	24.6	34.0	15.0	580	15.0	578	220	6.6	8.6	12.42	1.32	1972	1977
<i>850</i>	580	1455	580	22.4	30.0	13.0	579	10.4	578	239	4.9	7.3	12.75	1.24	1975	1977
<i>800</i>	580	1979	580	19.0	26.4	10.2	577	6.4	578	273	4.4	6.9	12.88	1.22	1988	1987
<i>750</i>	580	2525	579	14.9	22.6	7.2	574	2.6	578	293	5.6	7.4	11.71	1.17	1981	1987
<i>700</i>	580	3109	579	10.3	22.0	3.2	570	-1.4	578	302	7.7	9.2	13.36	1.15	1974	1987
<i>650</i>	575	3716	573	5.7	13.4	-4.0	546	-4.9	571	302	9.5	10.7	15.17	1.14	1981	1977
<i>600</i>	573	4370	571	1.3	8.8	-6.0	520	-9.3	565	300	9.9	11.2	15.65	1.08	1981	1973
<i>550</i>	570	5072	569	-2.5	4.2	-10.7	446	-14.2	561	296	9.2	10.7	20.70	1.16	1981	1985
<i>500</i>	568	5818	568	-6.1	0.8	-15.9	356	-19.0	561	287	8.4	10.4	18.97	1.25	1988	1985
<i>450</i>	563	6639	563	-10.5	-0.3	-19.9	309	-23.7	554	281	8.8	11.3	26.10	1.34	1990	1985
<i>400</i>	559	7536	558	-15.8	-4.1	-23.1	274	-28.5	549	269	10.1	12.5	25.21	1.57	1990	1981
<i>350</i>	550	8534	549	-22.0	-9.5	-31.1	240	-34.1	538	264	11.6	14.1	32.29	1.85	1990	1981
<i>300</i>	546	9651	545	-29.6	-17.1	-39.3	207	-41.5	536	259	13.2	15.4	40.47	2.02	1990	1981
<i>250</i>	540	10928	540	-39.2	-28.5	-50.0	127	-50.2	531	253	13.8	16.0	50.92	2.08	1990	1977
<i>200</i>	526	12419	526	-50.8	-40.0	-62.9	10	-56.4	516	249	13.7	16.1	63.45	2.06	1976	1989
<i>175</i>	494	13274	493	-57.4	-46.3	-69.9			483	245	12.6	15.2	70.81	1.99	1990	1989
<i>150</i>	472	14232	471	-64.5	-51.9	-78.0			463	245	10.8	13.7	79.37	2.05	1990	1977
<i>125</i>	444	15321	444	-71.7	-62.1	-82.0			435	245	7.0	11.1	85.16	1.87	1987	1977
<i>100</i>	416	16616	416	-77.3	-65.0	-88.0			407	219	2.2	8.8	95.32	2.02	1975	1978
<i>80</i>	374	17895	373	-76.7	-62.7	-91.0			365	091	3.2	7.9	101.29	2.74	1981	1978
<i>70</i>	343	18670	343	-73.1	-58.0	-87.0			336	082	4.8	8.0	106.63	3.19	1977	1978
<i>60</i>	306	19583	306	-67.8	-53.5	-80.1			301	080	6.4	8.3	114.62	3.36	1986	1984
<i>50</i>	270	20698	270	-61.7	-45.1	-73.0			260	084	8.1	9.2	124.90	3.42	1986	1978
<i>40</i>	212	22098	212	-56.1	-42.5	-68.1			209	083	8.5	9.4	155.48	3.76	1986	1981
<i>30</i>	164	23960	164	-50.9	-37.7	-62.1			161	085	10.3	11.0	172.58	3.69	1986	1981
<i>25</i>	127	25109	126	-48.3	-35.9	-58.0			118	095	10.7	11.7	174.92	3.81	1986	1972
<i>20</i>	72	26620	72	-45.1	-32.1	-52.3			65	097	9.1	10.5	220.55	5.29	1986	1981
<i>15</i>	33	28507	33	-43.6	-35.1	-50.3			30	094	7.1	8.4	57.39	0.90	1988	1983
<i>10</i>	14	31221	14	-40.7	-35.5	-48.3			12	104	9.3	10.5			1983	1983
<i>7</i>	5	33519	5	-41.4	-35.1	-46.5			3	118	4.7	7.3			1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

571 581 462

398 096 1688 -79.1

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	998	599	27.2	31.4	23.0	599	25.8	599	162	1.2	2.1	1.18	0.36	1986	1974
<i>1000</i>	546	-8	166	27.1	31.0	23.0	166	25.5	166	168	1.5	1.9	11.14	0.69	1990	1974
<i>950</i>	546	433	545	25.7	34.2	19.8	545	22.6	544	198	4.9	7.7	18.93	0.76	1979	1984
<i>900</i>	546	921	546	23.8	33.0	16.2	545	19.0	544	216	5.1	8.5	13.54	0.94	1979	1984
<i>850</i>	546	1420	546	21.3	28.0	13.0	545	15.5	544	228	3.8	7.8	14.95	0.99	1972	1984
<i>800</i>	546	1943	546	18.5	28.0	10.8	544	12.1	543	246	2.9	7.6	16.37	0.88	1976	1984
<i>750</i>	545	2492	545	15.2	23.0	7.0	543	8.8	542	274	2.8	7.7	16.25	0.80	1976	1977
<i>700</i>	545	3076	545	11.5	19.0	6.0	542	4.9	542	289	3.1	8.0	19.07	0.77	1977	1974
<i>650</i>	541	3688	541	7.8	15.4	1.2	534	0.8	537	290	3.1	8.2	19.85	0.96	1990	1981
<i>600</i>	540	4348	539	4.1	11.6	-4.3	518	-3.0	533	284	2.4	7.8	20.96	1.12	1990	1983
<i>550</i>	535	5056	535	0.3	7.6	-9.1	502	-6.6	526	265	1.7	7.3	24.28	1.15	1988	1983
<i>500</i>	534	5812	533	-3.4	4.6	-11.3	482	-10.7	525	217	1.3	6.7	23.63	1.13	1988	1981
<i>450</i>	531	6640	531	-7.8	-2.0	-15.0	460	-15.7	519	188	1.4	6.5	28.47	1.10	1975	1972
<i>400</i>	528	7548	527	-12.8	-6.0	-20.1	429	-21.5	516	162	1.6	6.5	29.46	1.12	1975	1979
<i>350</i>	521	8555	520	-19.0	-12.0	-27.0	375	-28.5	504	142	2.1	6.6	32.48	1.26	1974	1972
<i>300</i>	512	9689	511	-26.8	-18.0	-35.0	305	-36.3	496	127	3.1	6.9	38.10	1.38	1974	1972
<i>250</i>	506	10979	505	-36.8	-25.1	-46.0	191	-45.0	485	115	4.5	8.0	44.02	1.58	1986	1972
<i>200</i>	497	12486	496	-49.4	-40.3	-59.0	36	-55.9	477	103	6.2	9.7	54.12	1.82	1988	1978
<i>175</i>	471	13344	471	-56.9	-46.3	-67.1			454	096	7.5	11.0	60.60	1.94	1988	1981
<i>150</i>	446	14301	446	-64.9	-54.1	-78.0			429	086	8.9	12.0	69.59	2.06	1988	1972
<i>125</i>	412	15386	412	-73.0	-63.5	-83.0			394	081	11.0	13.5	83.27	1.99	1988	1978
<i>100</i>	388	16668	388	-78.7	-69.1	-88.0			373	080	13.9	15.2	93.74	1.90	1990	1977
<i>80</i>	341	17943	340	-76.9	-65.5	-88.0			325	081	15.5	16.4	104.89	1.89	1982	1978
<i>70</i>	311	18715	311	-72.8	-58.9	-83.1			296	079	15.8	16.3	108.31	2.55	1990	1983
<i>60</i>	281	19629	281	-67.4	-52.3	-77.1			266	082	15.8	16.2	108.74	2.75	1982	1983
<i>50</i>	240	20749	240	-61.5	-48.3	-77.0			223	085	15.6	16.0	111.96	2.51	1982	1974
<i>40</i>	171	22133	171	-56.5	-43.9	-67.0			160	083	16.3	16.7	131.12	2.62	1990	1978
<i>30</i>	115	23954	115	-51.8	-41.5	-63.7			106	086	17.7	18.0	142.00	2.82	1982	1984
<i>25</i>	83	25131	83	-49.5	-40.0	-61.7			76	088	18.4	18.7	142.58	2.32	1973	1984
<i>20</i>	42	26574	42	-47.3	-37.7	-58.9			39	091	19.9	20.2	164.08	2.69	1982	1984
<i>15</i>	27	28423	27	-45.6	-36.3	-55.3			23	087	23.9	24.2	277.91	4.83	1990	1984
<i>10</i>	15	31097	15	-44.6	-36.9	-50.3			12	087	28.9	29.1			1982	1984
<i>7</i>	8	33498	8	-43.3	-36.3	-47.7			6	085	36.3	36.8			1982	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

536 545 5.3

371 099 1676 -80.2

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	605	999	605	26.8	30.0	24.0	605	25.6	605	166	1.2	2.0	1.10	0.39	1972	1971
1000	591	-1	239	26.6	29.0	20.0	238	25.4	237	176	1.7	2.2	10.21	0.44	1977	1978
950	591	437	591	24.9	34.0	19.8	590	22.9	590	206	4.6	7.3	15.01	0.70	1982	1984
900	591	925	591	22.7	30.8	16.0	590	20.1	590	220	4.6	7.9	9.89	0.82	1982	1984
850	591	1422	591	20.0	26.0	13.4	590	17.2	590	220	4.1	7.4	10.59	0.86	1975	1984
800	591	1944	591	17.2	23.0	12.0	590	14.3	589	220	3.5	6.9	11.61	0.86	1975	1974
750	591	2492	591	14.3	20.6	8.0	590	11.0	587	220	2.9	6.6	13.40	0.87	1989	1974
700	591	3074	591	11.2	18.0	6.0	590	7.4	589	217	2.5	6.4	13.60	0.87	1989	1974
650	589	3688	589	8.0	17.0	2.6	588	3.6	584	209	2.2	6.4	16.02	0.94	1978	1984
600	586	4348	585	4.6	15.0	-1.5	583	-0.3	581	185	2.2	6.2	16.43	0.92	1976	1982
550	581	5058	579	0.9	9.8	-5.9	575	-4.5	574	164	2.4	6.1	24.51	0.95	1988	1982
500	575	5815	573	-3.2	5.2	-9.5	564	-9.1	569	144	3.1	6.2	20.83	0.95	1988	1985
450	573	6644	572	-7.7	2.8	-14.7	551	-14.5	560	128	3.7	6.4	27.25	1.09	1988	1985
400	572	7552	569	-12.9	-3.5	-19.9	513	-20.6	556	115	4.9	7.1	26.03	1.13	1988	1981
350	560	8559	559	-19.4	-10.3	-27.9	463	-27.9	542	105	6.7	8.4	28.91	1.25	1988	1982
300	556	9691	554	-27.2	-18.1	-36.0	388	-36.0	538	097	9.1	10.1	33.27	1.35	1988	1978
250	536	10980	535	-37.4	-26.1	-46.7	214	-45.4	517	087	12.5	13.5	40.25	1.55	1988	1981
200	521	12482	521	-50.1	-40.9	-61.9	38	-55.2	502	078	16.2	17.2	49.92	1.82	1988	1981
175	508	13341	508	-57.5	-48.1	-70.1	1	-57.0	488	075	18.4	19.5	56.48	1.91	1988	1981
150	491	14294	490	-65.5	-54.9	-77.1			473	075	20.8	22.1	65.58	2.07	1990	1981
125	453	15378	452	-73.4	-63.1	-82.7			437	077	23.0	24.3	73.92	1.85	1988	1979
100	424	16662	422	-78.3	-66.0	-86.5			406	078	24.7	25.7	75.02	2.05	1973	1979
80	376	17944	370	-74.3	-55.0	-86.0			360	081	23.2	23.7	80.54	2.98	1976	1978
70	346	18728	343	-70.1	-48.0	-82.1			334	081	21.6	22.0	107.12	2.73	1976	1983
60	316	19655	313	-65.2	-44.0	-80.0			301	082	21.1	21.4	107.43	2.79	1976	1972
50	263	20766	263	-60.8	-43.3	-71.3			249	083	21.3	21.6	119.27	2.69	1988	1983
40	196	22149	196	-57.1	-45.3	-67.0			182	085	21.6	22.0	122.92	2.74	1989	1972
30	140	23970	139	-52.6	-41.0	-62.0			128	086	23.8	24.3	124.10	3.62	1976	1972
25	101	25106	100	-51.2	-40.9	-60.0			88	087	24.7	24.9	92.77	2.61	1985	1972
20	57	26599	57	-48.4	-37.1	-56.1			51	089	24.8	25.1	72.41	0.62	1984	1983
15	26	28477	26	-46.4	-39.1	-52.5			25	092	28.6	28.9	81.03	1.95	1984	1985
10	9	31220	9	-41.9	-37.5	-47.5			8	088	30.6	30.9			1982	1985
7	4	33798	4	-39.5	-35.1	-42.1			4	086	30.8	31.0			1982	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
576	539	521					412	103	1653	-79.8

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1000	620	26.8	30.0	23.0	620	25.7	620	137	0.9	1.8	1.20	0.41	1973	1973
<i>1000</i>	600	2	288	26.7	30.0	23.0	288	25.5	287	167	1.1	1.6	9.69	0.48	1976	1971
<i>950</i>	600	441	600	24.7	32.8	20.0	600	22.9	597	173	3.0	6.8	10.97	0.60	1984	1975
<i>900</i>	600	929	600	22.3	28.6	16.0	600	20.1	597	179	3.1	7.5	10.67	0.69	1988	1979
<i>850</i>	600	1425	600	19.7	24.8	12.0	600	17.2	597	171	2.7	7.3	10.95	0.73	1990	1983
<i>800</i>	600	1946	600	17.0	22.4	11.0	600	14.2	597	164	2.5	7.1	11.43	0.75	1979	1979
<i>750</i>	600	2494	600	14.2	21.0	7.8	600	10.8	597	159	2.5	7.1	13.12	0.77	1990	1979
<i>700</i>	600	3076	600	11.3	18.2	4.6	600	7.2	597	154	2.4	6.9	14.05	0.80	1990	1979
<i>650</i>	599	3690	599	8.2	18.0	2.0	599	3.3	593	150	2.8	7.0	15.70	0.80	1976	1975
<i>600</i>	597	4351	597	4.7	10.8	-1.0	594	-0.6	591	142	3.2	7.0	16.43	0.87	1990	1976
<i>550</i>	593	5061	593	0.9	8.0	-5.0	588	-4.7	585	133	3.7	7.0	24.66	0.92	1990	1976
<i>500</i>	590	5817	590	-3.3	2.8	-10.0	584	-9.4	582	127	4.2	7.0	21.42	0.99	1990	1976
<i>450</i>	585	6647	585	-7.8	-1.9	-13.5	567	-14.9	577	121	4.7	7.1	28.00	1.13	1990	1987
<i>400</i>	583	7555	582	-13.0	-5.0	-20.0	538	-21.2	575	113	5.4	7.4	27.91	1.12	1976	1978
<i>350</i>	573	8562	572	-19.4	-11.9	-26.1	476	-28.4	565	104	6.6	8.2	31.24	1.27	1988	1987
<i>300</i>	568	9692	568	-27.3	-19.1	-35.1	376	-36.2	557	099	8.3	9.5	37.81	1.40	1981	1979
<i>250</i>	554	10980	553	-37.6	-28.9	-46.0	212	-45.2	543	091	10.6	11.7	44.62	1.55	1983	1978
<i>200</i>	545	12479	544	-50.4	-37.9	-60.0	32	-55.7	535	080	13.4	14.7	54.92	1.80	1990	1978
<i>175</i>	523	13335	523	-57.8	-47.3	-68.1	1	-58.0	511	076	14.9	16.3	62.13	2.01	1988	1980
<i>150</i>	509	14286	509	-65.8	-56.7	-76.5			496	073	16.7	18.1	70.34	2.18	1981	1980
<i>125</i>	481	15371	481	-73.4	-62.7	-85.1			465	074	19.0	20.2	81.86	2.21	1990	1987
<i>100</i>	441	16658	441	-77.8	-66.5	-88.1			431	077	21.6	22.2	97.88	2.16	1990	1982
<i>80</i>	397	17940	397	-73.4	-60.5	-84.3			389	080	21.1	21.5	102.52	2.72	1989	1979
<i>70</i>	358	18729	358	-69.3	-57.0	-82.1			348	082	20.1	20.3	102.42	2.56	1976	1988
<i>60</i>	305	19665	304	-65.1	-51.0	-77.0			294	083	19.5	19.8	110.99	2.60	1976	1971
<i>50</i>	263	20785	261	-61.2	-51.5	-72.0			249	083	20.4	20.7	112.02	2.41	1985	1972
<i>40</i>	199	22186	196	-57.5	-48.5	-74.1			190	084	21.9	22.1	142.61	2.11	1990	1984
<i>30</i>	150	24014	149	-53.5	-44.7	-63.1			146	086	23.8	24.1	163.55	2.37	1985	1987
<i>25</i>	122	25168	122	-51.3	-40.5	-61.7			113	088	24.5	24.9	155.42	2.63	1986	1984
<i>20</i>	71	26674	71	-48.9	-36.9	-61.1			66	088	25.9	26.2	226.96	3.61	1985	1982
<i>15</i>	35	28458	35	-49.3	-42.5	-59.9			31	091	28.3	29.2	273.08	3.30	1982	1984
<i>10</i>	13	31070	13	-48.7	-43.5	-59.1			9	095	30.1	31.0			1988	1984
<i>7</i>	4	33235	4	-47.5	-45.3	-51.3			3	087	44.8	45.0			1982	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
592	538	523					430	104	1646	-79.2

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	584	1004	584	26.5	29.0	23.6	584	25.5	584	142	0.8	1.5	0.87	0.34	1971	1984
1000	561	40	514	26.3	30.4	23.2	514	25.2	514	165	1.1	2.0	6.33	0.36	1986	1986
950	561	480	561	24.6	31.8	18.8	561	22.1	558	186	3.0	6.2	13.64	0.46	1979	1990
900	561	967	561	22.2	31.2	15.0	561	18.7	558	188	2.8	6.4	6.13	0.65	1979	1986
850	561	1463	561	19.4	28.0	13.8	561	15.4	558	180	2.4	6.2	6.55	0.69	1975	1990
800	561	1983	561	16.4	26.0	11.4	560	11.9	558	174	2.1	5.9	6.89	0.69	1975	1990
750	561	2526	561	13.4	22.0	7.4	559	8.4	558	176	2.0	5.9	8.68	0.75	1975	1983
700	561	3109	561	10.3	19.0	4.0	557	4.4	558	181	2.4	6.0	8.50	0.82	1975	1982
650	557	3719	556	7.0	16.0	0.6	546	0.4	553	182	2.5	5.9	11.07	0.87	1975	1982
600	555	4378	554	3.6	12.0	-2.9	534	-3.7	549	180	2.7	6.0	11.52	0.88	1975	1980
550	553	5083	552	-0.2	8.0	-9.1	522	-7.8	547	176	2.4	5.8	18.78	0.95	1975	1980
500	551	5839	551	-4.5	3.0	-13.5	507	-12.2	545	164	2.3	5.6	15.86	1.11	1975	1980
450	548	6662	548	-9.2	-3.0	-18.5	475	-17.1	542	150	2.3	5.7	22.88	1.14	1975	1980
400	547	7566	547	-14.6	-7.5	-24.7	438	-23.3	541	137	2.4	5.8	22.70	1.21	1990	1979
350	537	8566	537	-21.2	-13.0	-31.3	379	-30.3	529	124	2.9	6.0	27.86	1.30	1971	1980
300	530	9687	529	-29.2	-19.0	-39.7	307	-38.5	522	113	3.8	7.0	32.45	1.44	1971	1980
250	514	10964	513	-39.5	-28.0	-49.3	163	-47.8	503	099	5.0	8.3	39.94	1.62	1971	1980
200	501	12453	501	-52.2	-43.0	-61.7	18	-55.9	490	089	6.7	10.4	51.71	1.86	1971	1980
175	470	13302	470	-59.5	-50.3	-69.9			459	085	7.6	11.3	57.61	2.00	1990	1980
150	453	14246	453	-67.3	-56.0	-77.0			442	078	8.5	11.6	64.99	2.01	1975	1977
125	422	15322	422	-74.6	-65.9	-85.1			414	083	9.8	12.0	73.63	2.04	1986	1979
100	397	16607	397	-78.3	-67.0	-89.0			390	086	11.7	12.7	77.40	1.97	1976	1978
80	346	17894	346	-73.0	-56.9	-86.0			338	080	12.1	12.6	80.83	2.72	1989	1978
70	316	18685	316	-68.9	-55.1	-82.0			309	080	11.9	12.3	85.80	2.68	1985	1978
60	277	19614	277	-64.7	-53.1	-79.0			269	084	13.0	13.4	93.83	2.70	1985	1971
50	235	20740	235	-60.7	-45.9	-72.0			230	084	13.9	14.2	108.33	2.55	1985	1971
40	180	22134	180	-56.8	-43.9	-70.0			175	085	16.0	16.2	125.51	3.24	1985	1978
30	124	23957	124	-52.5	-40.9	-70.0			118	087	17.6	18.0	127.19	4.64	1985	1978
25	87	25090	87	-51.3	-42.5	-71.0			83	089	17.6	18.2	135.44	5.34	1988	1978
20	55	26552	55	-49.5	-41.3	-60.9			52	095	18.9	19.2	119.15	1.90	1982	1990
15	30	28398	30	-47.9	-41.9	-54.7			27	093	23.7	24.0	197.71	2.98	1982	1979
10	13	31073	13	-45.4	-40.1	-50.1			13	094	22.8	23.0			1982	1983
7	2	33137	2	-44.4	-43.3	-45.5			2	095	25.3	25.5			1984	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
553	552	505					391	105	1635	-79.8

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1009	620	24.4	29.0	19.4	620	23.1	620	056	0.2	0.9	1.52	0.57	1974	1983
<i>1000</i>	595	80	589	24.3	30.0	19.0	589	22.4	587	010	0.5	2.6	12.45	0.51	1975	1983
<i>950</i>	595	516	595	23.4	28.2	17.0	595	18.0	593	342	0.5	5.1	19.80	0.59	1979	1982
<i>900</i>	595	1001	594	20.7	26.8	12.2	594	14.2	593	337	0.7	5.1	12.49	0.70	1981	1983
<i>850</i>	595	1493	594	17.6	23.4	11.0	593	10.4	593	331	0.8	5.3	12.56	0.74	1988	1985
<i>800</i>	593	2009	592	14.4	22.0	5.6	583	6.5	591	292	0.8	5.5	12.36	0.92	1987	1985
<i>750</i>	593	2549	593	11.5	19.0	-4.7	547	3.0	591	249	1.2	5.8	12.07	1.08	1976	1983
<i>700</i>	593	3126	593	8.7	15.0	-7.1	499	-0.7	591	238	2.1	6.1	12.38	1.24	1978	1979
<i>650</i>	592	3735	591	5.7	12.0	-4.5	442	-4.0	590	237	2.8	6.4	13.59	1.26	1972	1979
<i>600</i>	593	4388	591	2.4	8.0	-5.0	398	-7.2	589	244	3.6	6.9	13.24	1.20	1972	1977
<i>550</i>	590	5090	588	-1.4	7.0	-10.0	362	-10.9	583	248	4.5	7.6	17.15	1.16	1983	1977
<i>500</i>	588	5840	587	-5.8	0.2	-15.0	333	-15.5	583	251	5.2	8.2	16.25	1.29	1988	1977
<i>450</i>	580	6660	579	-10.6	8.6	-21.0	293	-20.8	575	253	6.0	9.0	21.29	1.39	1983	1977
<i>400</i>	575	7557	574	-16.2	-10.3	-26.0	263	-26.7	570	254	7.0	9.8	22.85	1.59	1988	1977
<i>350</i>	568	8550	567	-22.9	-14.1	-34.0	225	-33.7	563	252	8.2	11.1	27.91	1.78	1987	1977
<i>300</i>	558	9665	557	-31.0	-23.1	-42.1	187	-41.5	553	250	9.1	12.1	35.44	1.88	1988	1985
<i>250</i>	549	10933	548	-41.0	-32.3	-51.9	119	-51.0	544	251	10.1	13.7	45.44	2.00	1988	1985
<i>200</i>	538	12411	538	-53.2	-43.5	-66.0	5	-57.4	532	247	10.1	14.4	58.28	2.03	1988	1977
<i>175</i>	508	13257	508	-60.1	-50.1	-73.0			501	244	9.3	14.1	68.09	2.09	1988	1977
<i>150</i>	489	14200	488	-67.4	-57.9	-78.0			481	240	8.5	13.5	77.31	1.86	1988	1977
<i>125</i>	454	15274	454	-74.5	-65.1	-84.0			445	233	6.1	11.0	84.95	1.59	1984	1977
<i>100</i>	416	16550	416	-78.6	-66.5	-89.9			407	212	2.3	8.1	89.80	1.91	1987	1979
<i>80</i>	374	17830	374	-74.8	-61.0	-88.1			368	086	2.1	6.4	89.17	2.32	1977	1984
<i>70</i>	350	18612	350	-70.3	-57.0	-82.1			342	075	3.2	6.4	96.07	2.26	1977	1984
<i>60</i>	309	19535	309	-65.8	-55.0	-77.0			303	076	5.3	7.1	98.97	2.42	1977	1975
<i>50</i>	271	20651	271	-61.2	-47.0	-74.0			261	082	6.5	7.8	113.30	2.56	1976	1975
<i>40</i>	200	22039	200	-57.2	-44.0	-67.9			192	085	8.5	9.2	137.56	2.45	1976	1984
<i>30</i>	152	23862	152	-53.2	-41.0	-64.0			147	086	10.7	11.2	152.60	2.78	1976	1972
<i>25</i>	108	25015	108	-51.5	-38.9	-61.3			105	087	11.3	11.7	162.39	2.85	1985	1984
<i>20</i>	61	26512	61	-49.2	-34.5	-59.5			57	093	11.5	12.1	179.27	3.80	1985	1984
<i>15</i>	32	28300	32	-49.0	-39.9	-57.3			31	099	12.8	13.4	177.73	3.69	1985	1984
<i>10</i>	16	30951	16	-45.9	-38.3	-54.1			13	101	13.5	15.7			1983	1984
<i>7</i>	5	33261	5	-46.0	-44.1	-47.3			3	102	22.3	23.0			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
588	568	483					409	104	1635	-79.9

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	599	1012	599	19.7	26.2	12.6	599	18.0	599	002	0.5	0.8	1.05	1.22	1979	1982
1000	579	109	577	20.2	26.0	14.6	577	16.8	575	008	2.5	3.7	7.96	1.04	1977	1981
950	578	543	578	20.6	30.0	7.0	577	12.3	576	010	3.4	5.2	13.85	1.05	1979	1978
900	578	1019	576	17.6	27.4	8.0	573	8.9	576	360	3.1	5.0	8.32	1.22	1988	1978
850	578	1505	578	14.5	24.8	7.6	560	5.4	576	339	2.9	5.2	9.28	1.32	1988	1982
800	578	2016	578	12.0	21.0	3.8	512	1.2	576	317	3.0	5.6	10.26	1.36	1988	1982
750	578	2552	578	9.9	17.0	2.8	426	-2.5	576	291	3.5	6.2	11.17	1.18	1974	1981
700	578	3125	577	7.6	14.0	-5.0	354	-6.1	576	276	4.9	7.2	11.72	1.08	1975	1978
650	578	3731	575	4.8	11.0	-5.1	290	-9.4	576	273	5.5	8.6	14.14	1.02	1989	1983
600	573	4381	570	1.4	7.0	-6.7	259	-13.3	570	273	8.3	10.1	14.98	1.07	1975	1989
550	571	5081	569	-2.6	3.6	-12.0	224	-17.6	569	272	9.7	11.4	19.89	1.24	1988	1973
500	568	5827	566	-7.3	0.0	-15.9	209	-21.8	565	271	11.5	13.2	19.80	1.44	1987	1988
450	563	6640	562	-12.5	-5.0	-21.1	198	-26.3	560	268	13.7	15.4	24.22	1.52	1976	1988
400	562	7529	562	-18.4	-11.1	-26.5	187	-31.9	556	267	16.3	18.1	27.92	1.57	1990	1988
350	555	8515	555	-25.2	-17.9	-33.5	168	-37.9	548	264	19.3	21.1	30.60	1.46	1988	1982
300	548	9618	547	-33.0	-25.3	-41.7	148	-45.4	538	260	22.2	24.1	38.65	1.34	1985	1981
250	534	10876	534	-42.7	-33.3	-51.1	99	-54.2	524	258	25.0	27.2	43.51	1.32	1989	1967
200	515	12347	515	-54.4	-43.1	-65.7	2	-57.5	499	252	26.4	28.8	49.60	1.47	1989	1982
175	489	13189	489	-60.8	-48.1	-72.0			468	252	24.7	27.3	53.79	1.64	1989	1977
150	453	14129	453	-67.5	-55.3	-78.0			433	254	22.8	24.8	56.80	1.74	1989	1978
125	414	15207	414	-73.7	-64.1	-83.3			398	259	18.4	20.1	60.90	1.85	1989	1979
100	377	16493	377	-77.9	-68.7	-88.1			359	265	11.3	13.4	67.52	1.79	1982	1981
80	342	17776	342	-76.1	-63.0	-88.1			325	275	6.2	8.8	72.58	2.36	1977	1981
70	313	18552	313	-72.6	-58.3	-85.5			300	286	4.3	7.7	75.84	2.58	1982	1981
60	280	19469	279	-67.3	-51.1	-80.7			261	305	2.3	6.4	81.40	2.15	1982	1981
50	238	20581	238	-61.7	-45.7	-72.3			224	340	0.9	5.9	96.33	2.11	1982	1988
40	182	21966	182	-57.3	-45.3	-65.0			168	075	1.0	5.7	128.09	2.27	1985	1977
30	136	23807	136	-52.3	-40.1	-61.1			123	097	2.6	6.2	125.11	2.57	1985	1981
25	92	24969	91	-50.2	-36.9	-59.1			82	102	2.9	6.4	118.84	3.09	1985	1981
20	48	26431	48	-47.3	-36.7	-57.1			42	111	2.8	6.1	115.41	2.44	1987	1987
15	19	28382	19	-45.0	-37.9	-51.1			18	107	2.7	7.0			1990	1983
10	4	31098	4	-42.5	-33.7	-48.1			2	078	11.3	13.0			1982	1982
7																

FREEZING LEVEL

N	P	ALT
570	582	463

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
363	102	1645	-79.0

NORMALS OF RADIOSONDE DATA

42809 CALCUTTA

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1015	620	14.7	23.0	10.0	620	12.6	607	004	0.5	0.6	1.00	0.97	1977	1975
1000	588	129	588	15.9	23.0	10.6	588	11.8	586	008	3.5	4.5	7.49	0.92	1977	1983
950	588	557	588	17.0	25.6	7.4	587	7.5	586	360	3.9	5.3	11.22	0.86	1988	1984
900	588	1026	588	14.3	23.8	7.8	579	3.7	586	340	4.1	5.5	8.63	0.86	1988	1989
850	588	1507	588	12.0	21.0	5.0	533	-0.4	586	319	4.9	6.4	9.23	0.87	1988	1986
800	588	2013	588	10.6	19.8	3.8	418	-4.1	585	304	5.6	7.1	9.60	1.00	1988	1986
750	588	2548	587	8.8	17.0	0.0	323	-6.5	584	295	6.9	8.5	10.48	1.07	1988	1971
700	588	3116	587	6.5	14.0	-5.0	268	-9.1	584	286	8.5	10.0	10.97	1.17	1988	1978
650	585	3720	585	3.6	11.0	-5.7	225	-11.9	579	281	10.2	11.6	12.59	1.04	1988	1984
600	583	4367	583	0.1	8.0	-8.5	196	-15.0	577	278	12.1	13.5	11.23	1.10	1988	1986
550	582	5062	582	-4.1	2.6	-13.1	188	-18.8	573	276	14.2	15.6	15.07	1.17	1982	1986
500	580	5804	580	-8.9	-0.9	-17.0	163	-22.9	571	274	17.0	18.5	14.65	1.26	1985	1978
450	574	6612	574	-14.2	-4.0	-23.5	168	-27.7	561	271	19.9	21.4	19.08	1.36	1971	1979
400	568	7496	568	-20.4	-11.5	-30.5	166	-32.8	556	268	23.2	24.8	20.86	1.41	1989	1979
350	558	8474	557	-27.2	-15.7	-37.3	160	-38.8	531	265	26.8	28.6	26.50	1.59	1989	1979
300	549	9568	548	-35.1	-23.3	-45.1	141	-45.7	518	264	30.8	32.8	33.24	1.76	1989	1979
250	526	10816	526	-44.3	-33.7	-55.1	99	-53.7	493	260	35.1	37.5	42.46	1.93	1989	1979
200	511	12276	511	-55.2	-43.9	-64.5	4	-60.8	471	255	36.9	39.1	52.42	2.11	1989	1981
175	475	13115	475	-60.9	-51.0	-72.3			434	255	35.5	37.5	53.07	2.07	1978	1981
150	449	14062	449	-66.5	-56.5	-76.7			411	256	31.9	33.4	64.07	2.06	1988	1988
125	405	15149	405	-71.6	-60.0	-82.1			375	257	27.3	28.7	73.83	2.18	1977	1988
100	366	16449	365	-75.9	-63.0	-85.1			340	261	20.1	21.5	80.08	2.17	1977	1981
80	318	17734	318	-76.1	-64.0	-84.7			296	263	13.1	14.8	90.97	2.80	1977	1983
70	296	18510	295	-73.6	-56.0	-83.9			272	268	10.6	12.6	93.95	2.98	1977	1984
60	255	19421	253	-69.3	-54.0	-78.1			232	272	8.0	10.6	105.71	3.17	1977	1983
50	204	20513	204	-64.0	-46.5	-77.1			181	286	4.7	8.5	143.06	5.25	1988	1987
40	137	21882	137	-59.3	-45.1	-74.1			122	283	2.6	7.5	163.02	3.90	1985	1984
30	92	23725	92	-54.1	-37.1	-66.5			78	334	0.5	6.7	170.71	3.87	1985	1984
25	77	24874	77	-52.5	-43.7	-66.1			62	264	1.2	7.2	192.30	3.60	1990	1984
20	42	26367	42	-49.9	-39.5	-64.5			33	126	1.3	6.3	278.00	4.08	1990	1984
15	24	28158	24	-49.1	-40.1	-61.1			18	163	2.5	6.8	274.64	5.87	1985	1984
10	9	30662	9	-49.9	-41.1	-57.9			6	221	2.9	7.0			1990	1984
7	2	32526	2	-55.0	-53.7	-56.3			1	240	13.0	13.0			1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
584	601	435	7	146	1419	-69.4		347	099	1657	-77.6

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1001	620	10.0	17.6	4.0	620	7.1	620	318	1.0	2.0	0.92	0.74	1990	1974
1000	591	128	386	10.0	18.0	4.0	386	6.8	381	322	1.4	2.2	7.99	0.85	1972	1977
950	585	558	583	14.0	24.6	1.0	578	4.2	569	323	3.2	5.6	7.53	1.09	1989	1975
900	585	1015	583	12.1	23.2	2.4	551	-0.4	568	304	4.2	6.3	7.24	1.15	1989	1990
850	585	1492	584	10.0	19.4	-0.9	495	-3.5	569	296	5.6	7.2	7.80	1.32	1989	1989
800	585	1994	584	7.5	16.2	-4.9	434	-5.5	569	291	6.9	8.2	8.62	1.34	1989	1989
750	584	2517	584	4.6	14.4	-8.1	393	-8.3	566	287	8.2	9.4	12.02	1.45	1990	1989
700	584	3081	579	1.4	12.8	-10.7	339	-11.0	561	285	10.0	11.2	12.28	1.45	1989	1983
650	583	3670	579	-2.1	8.0	-13.7	297	-14.6	560	283	12.1	13.3	13.95	1.42	1989	1985
600	580	4306	577	-6.0	5.6	-18.0	289	-18.3	560	281	14.7	15.9	16.92	1.50	1990	1974
550	580	4985	576	-10.4	0.8	-20.0	227	-22.2	562	279	17.9	19.2	21.59	1.53	1990	1975
500	576	5710	572	-15.3	-2.9	-25.0	249	-26.9	560	277	21.6	23.1	23.59	1.77	1989	1978
450	572	6496	571	-20.7	-8.3	-31.0	216	-31.7	552	275	26.0	27.6	27.90	2.07	1989	1978
400	560	7361	557	-26.7	-12.9	-37.0	203	-37.4	542	274	31.0	32.8	33.79	2.37	1989	1978
350	550	8314	549	-33.2	-17.7	-44.1	166	-43.3	524	273	36.3	38.3	39.29	2.71	1989	1979
300	541	9383	541	-40.1	-24.9	-53.0	118	-47.9	498	272	41.9	44.4	53.65	2.93	1989	1978
250	519	10606	518	-47.7	-31.0	-60.1	63	-54.2	469	268	46.7	49.6	65.22	2.84	1977	1981
200	496	12050	494	-55.7	-42.3	-67.1	2	-56.5	436	267	48.3	50.7	80.09	2.53	1986	1982
175	468	12890	466	-59.8	-48.1	-70.5			403	267	46.8	48.9	86.20	2.14	1986	1979
150	447	13844	446	-64.2	-53.1	-74.7			382	267	42.3	44.1	93.01	1.99	1983	1982
125	406	14943	405	-69.0	-56.0	-82.5			344	267	36.7	38.0	89.90	2.16	1975	1983
100	376	16264	375	-72.8	-58.9	-87.9			319	266	29.4	30.5	87.81	2.36	1985	1990
80	301	17567	301	-72.9	-62.0	-84.3			253	268	18.8	20.1	91.53	2.20	1974	1988
70	263	18356	263	-71.1	-57.3	-84.7			215	271	14.9	16.1	91.72	2.00	1987	1990
60	210	19269	210	-68.0	-56.1	-80.0			168	277	9.9	13.2	98.45	2.35	1987	1971
50	142	20373	142	-64.9	-50.1	-77.0			112	277	8.1	11.7	112.27	3.29	1987	1971
40	82	21740	82	-60.8	-50.1	-72.0			68	285	7.1	10.6	115.03	2.81	1990	1973
30	37	23542	37	-56.8	-47.9	-64.1			29	284	6.1	11.0	138.79	2.82	1987	1985
25	16	24661	16	-57.0	-51.1	-63.0			11	282	9.8	12.5			1984	1972
20	7	26202	7	-51.7	-47.3	-58.9			5	285	15.9	19.6			1986	1990
15	3	28007	3	-50.1	-46.1	-55.7			2	297	29.6	32.5			1987	1990
10																
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

582	682	330														
			118	218	1150	-60.1				333	098	1643	-75.0			

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	562	999	562	12.2	20.0	5.0	562	8.2	562	321	1.5	2.5	1.65	1.01	1971	1974
1000	548	110	167	11.6	19.0	6.0	167	7.2	166	321	1.7	2.6	12.39	1.62	1987	1983
950	541	541	540	15.9	28.0	6.6	534	4.5	535	319	4.1	6.7	12.26	1.50	1974	1983
900	541	1002	540	14.0	25.0	3.8	497	0.4	536	303	5.4	7.4	12.37	1.49	1976	1984
850	541	1481	540	11.3	23.4	-0.3	450	-2.3	535	295	6.9	8.5	12.99	1.40	1989	1983
800	541	1985	541	8.4	20.4	-6.0	404	-4.5	532	290	8.3	9.7	13.96	1.50	1989	1975
750	541	2510	541	5.1	17.2	-7.1	384	-7.6	529	287	9.6	11.0	15.31	1.46	1989	1983
700	541	3074	540	1.8	13.6	-10.0	352	-10.9	529	284	11.0	12.4	16.26	1.43	1989	1978
650	540	3663	540	-2.1	9.2	-16.0	326	-14.0	527	281	13.1	14.4	19.46	1.47	1989	1978
600	539	4299	538	-6.2	4.0	-19.0	300	-18.0	527	279	15.1	16.5	19.14	1.45	1975	1978
550	536	4978	536	-10.7	0.0	-22.0	273	-21.9	524	277	18.0	19.5	20.28	1.59	1975	1978
500	535	5701	535	-15.6	-4.3	-26.0	271	-26.7	523	276	21.6	23.0	24.56	1.79	1985	1978
450	527	6489	526	-21.0	-7.5	-32.1	235	-31.5	509	275	25.3	27.1	29.51	2.01	1985	1981
400	523	7351	521	-27.0	-13.0	-39.0	221	-37.2	503	275	29.5	31.5	34.37	2.49	1977	1978
350	521	8301	517	-33.6	-18.9	-47.0	179	-43.3	492	274	33.7	36.4	43.87	3.02	1985	1978
300	514	9369	512	-40.3	-24.9	-56.0	122	-48.5	479	273	39.4	42.6	54.59	3.23	1985	1978
250	499	10592	496	-47.5	-33.9	-64.0	46	-55.1	445	272	44.5	47.8	67.85	3.04	1985	1978
200	484	12043	483	-55.0	-39.9	-73.1	1	-58.0	418	269	45.7	48.7	82.35	2.27	1986	1981
175	458	12888	457	-59.2	-45.0	-74.1			390	268	44.0	46.4	90.18	2.13	1973	1981
150	439	13841	438	-64.2	-49.1	-77.1			371	269	40.0	42.2	96.87	2.32	1986	1984
125	393	14941	390	-69.3	-54.3	-81.7			330	267	34.4	36.3	101.61	2.63	1986	1985
100	361	16258	359	-73.4	-62.1	-84.5			302	267	27.0	28.2	109.59	2.58	1989	1985
80	289	17567	287	-73.5	-61.3	-86.3			231	268	19.3	20.5	115.53	2.84	1989	1981
70	251	18355	251	-71.9	-58.9	-84.7			196	269	15.4	17.0	119.19	2.80	1989	1985
60	205	19271	205	-68.7	-56.1	-81.7			155	273	13.0	14.7	129.42	3.15	1989	1985
50	151	20367	151	-65.0	-54.1	-80.9			120	277	11.2	13.2	127.04	2.61	1988	1985
40	85	21745	85	-61.4	-50.9	-77.3			67	275	8.8	12.0	196.44	3.63	1988	1985
30	42	23554	42	-58.0	-46.5	-76.9			33	275	11.1	13.1	217.90	5.22	1986	1985
25	27	24642	27	-56.5	-47.5	-71.5			24	276	12.0	13.0	247.25	5.76	1988	1985
20	17	26060	17	-53.6	-45.9	-64.3			11	277	13.6	14.1			1986	1985
15	7	28033	7	-52.4	-42.9	-59.9			6	273	11.3	15.5			1986	1990
10	5	30689	5	-48.5	-38.5	-54.5			4	274	23.2	23.8			1986	1990
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

540 678 334 106 239 1099 -56.7 330 098 1640 -75.1

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	995	589	16.9	28.0	9.0	589	10.8	589	321	1.3	2.4	1.10	0.83	1972	1972
1000	568	83	29	15.5	20.0	11.2	29	10.5	29	311	1.5	2.5	8.66	2.24	1990	1982
950	564	521	564	21.4	32.0	9.0	553	6.6	553	323	4.5	7.4	9.47	1.98	1972	1971
900	564	991	562	19.3	28.8	6.8	529	2.5	551	306	6.1	8.3	8.23	1.97	1983	1990
850	564	1479	561	16.1	24.4	3.2	494	-0.3	552	299	7.9	9.6	9.29	1.92	1988	1990
800	564	1991	562	12.5	21.0	-0.5	475	-3.2	555	295	9.2	10.7	11.45	1.88	1973	1990
750	564	2521	563	8.6	17.0	-3.9	451	-5.7	553	290	10.4	11.6	15.16	1.79	1985	1990
700	564	3093	563	4.5	12.4	-8.1	424	-8.5	550	288	11.5	12.7	16.49	1.69	1989	1990
650	563	3686	563	0.3	8.6	-12.7	398	-12.1	547	285	12.3	13.6	24.57	1.77	1985	1982
600	561	4329	561	-4.0	8.0	-16.1	368	-16.0	543	282	13.9	15.3	22.75	1.69	1989	1990
550	559	5013	558	-8.7	0.2	-20.0	331	-20.4	541	280	15.4	16.7	22.49	1.67	1985	1978
500	555	5742	554	-13.7	-4.7	-23.5	301	-25.5	539	279	17.3	18.9	28.69	1.63	1985	1981
450	552	6536	551	-19.4	-8.5	-29.3	276	-31.0	533	277	19.7	21.4	29.96	1.65	1988	1981
400	547	7401	546	-25.7	-13.9	-36.1	243	-36.9	530	276	22.8	24.7	36.71	1.66	1988	1982
350	537	8358	537	-32.6	-17.1	-43.9	204	-43.2	520	275	26.4	29.1	39.42	1.89	1990	1982
300	529	9426	529	-40.0	-25.3	-52.0	136	-49.8	503	274	30.8	33.9	46.46	2.40	1988	1978
250	517	10650	516	-47.6	-30.7	-63.1	69	-55.9	484	273	35.4	38.8	52.68	2.78	1986	1981
200	493	12101	492	-54.5	-41.0	-70.7	2	-58.5	449	269	38.2	41.2	62.65	2.26	1977	1981
175	464	12949	463	-58.2	-46.5	-70.7			415	269	37.2	39.9	67.57	2.01	1987	1981
150	432	13910	432	-62.7	-50.0	-74.1			381	269	33.9	36.1	74.36	1.99	1977	1985
125	394	15015	394	-68.1	-56.9	-81.9			344	267	29.2	31.2	81.43	2.26	1987	1985
100	359	16346	359	-72.1	-60.0	-88.0			311	269	22.8	24.6	85.10	2.05	1977	1978
80	306	17652	306	-72.9	-57.5	-90.0			262	271	15.7	17.7	103.63	2.09	1980	1974
70	272	18445	272	-71.1	-56.9	-83.5			226	274	11.2	14.6	109.06	2.09	1987	1989
60	221	19374	221	-67.8	-55.5	-78.5			179	280	9.4	12.7	113.93	2.16	1989	1985
50	170	20472	170	-64.2	-51.1	-77.3			133	283	7.0	10.8	128.24	1.90	1980	1985
40	103	21836	103	-59.7	-48.0	-70.0			86	290	6.0	9.4	123.85	2.57	1977	1972
30	54	23657	54	-54.9	-45.5	-66.0			42	281	3.7	9.3	160.00	4.71	1983	1973
25	35	24763	35	-53.3	-42.7	-65.0			27	283	7.9	10.5	155.95	5.07	1983	1973
20	23	26226	23	-50.6	-42.1	-61.9			17	294	4.7	8.4	117.01	2.69	1987	1990
15	9	28098	9	-48.7	-40.5	-54.9			7	302	4.8	6.1			1988	1990
10	2	30478	2	-48.4	-48.1	-48.7			2	286	5.3	6.5			1990	1984
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
562	647	374	110	237	1105	-55.3	340	097	1661	-74.3

NORMALS OF RADIOSONDE DATA

42389 LUCKNOW

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	570	991	570	22.5	32.0	12.0	570	12.3	570	325	0.9	2.6	0.92	1.67	1974	1983
1000	556	42											7.50			
950	552	486	551	25.8	38.4	16.0	528	9.2	545	320	3.5	7.7	8.11	1.99	1989	1977
900	552	966	551	24.7	37.8	10.8	503	5.8	542	308	5.1	8.2	6.82	1.73	1989	1990
850	552	1462	552	21.1	31.6	11.0	489	2.7	545	301	7.3	9.2	7.76	1.48	1989	1983
800	552	1983	552	17.0	26.2	5.0	488	-0.2	541	298	9.1	10.4	8.86	1.37	1981	1976
750	552	2519	552	12.6	20.4	1.8	476	-3.1	535	294	10.8	11.9	15.44	1.26	1989	1981
700	552	3101	552	7.9	18.4	-2.7	470	-6.3	538	291	11.9	13.1	12.10	1.25	1989	1981
650	548	3700	548	3.2	11.0	-6.7	446	-9.7	536	289	12.7	14.0	19.99	1.27	1988	1981
600	548	4350	546	-1.4	6.8	-10.7	407	-13.9	536	287	13.1	14.6	16.38	1.21	1988	1981
550	544	5041	543	-6.1	4.0	-16.7	356	-18.4	534	285	13.4	14.9	20.55	1.17	1976	1981
500	542	5777	541	-11.2	3.8	-21.1	309	-23.9	532	283	14.4	16.0	20.46	1.04	1989	1989
450	537	6578	536	-16.9	-8.3	-27.0	263	-29.2	525	280	15.8	17.4	22.89	1.10	1989	1978
400	533	7451	533	-23.4	-13.9	-33.5	234	-34.6	520	279	17.3	19.7	26.75	1.15	1983	1989
350	529	8418	529	-30.4	-20.7	-42.0	203	-41.0	512	278	20.9	23.1	29.23	1.26	1986	1978
300	523	9496	520	-38.1	-26.3	-50.0	149	-48.1	506	276	24.2	26.8	33.22	1.64	1986	1978
250	515	10729	513	-46.0	-33.1	-59.5	76	-55.1	492	274	29.0	32.2	40.17	2.21	1989	1982
200	494	12137	494	-53.7	-43.1	-70.0	3	-58.0	467	271	31.6	34.6	51.86	2.35	1989	1978
175	465	13040	464	-57.7	-42.7	-72.0			441	272	30.2	32.9	59.05	2.13	1987	1978
150	440	14001	436	-62.4	-50.1	-75.7			414	269	27.6	29.8	70.02	2.05	1988	1981
125	396	15113	396	-67.6	-52.9	-79.7			372	269	22.9	25.2	77.45	1.95	1988	1981
100	365	16444	365	-72.5	-55.3	-86.0			343	267	17.3	19.6	90.85	2.04	1987	1978
80	308	17745	308	-73.7	-58.0	-85.7			287	275	10.4	13.3	94.61	1.94	1972	1982
70	278	18536	278	-72.1	-57.0	-83.5			263	283	7.7	10.9	91.52	2.58	1977	1985
60	238	19451	238	-68.4	-53.0	-76.1			219	293	5.6	9.3	90.95	2.76	1977	1982
50	182	20562	182	-63.7	-47.7	-73.7			169	300	3.9	8.8	104.81	2.83	1987	1985
40	123	21944	123	-58.0	-42.9	-70.0			114	306	2.4	8.5	110.61	3.15	1987	1973
30	84	23769	84	-53.4	-42.5	-69.0			77	293	3.1	7.6	128.15	4.24	1988	1973
25	55	24925	55	-51.1	-38.1	-67.0			50	296	4.0	7.5	128.23	3.53	1988	1973
20	29	26438	29	-48.3	-35.9	-56.1			24	285	6.8	8.3	177.66	3.86	1990	1982
15	10	28318	10	-45.8	-35.5	-54.5			9	274	8.9	10.2			1990	1982
10	4	30851	4	-43.6	-46.5	-52.7			2	276	17.5	18.0			1982	1982
7	2	33386	2	-46.8	-46.5	-47.1			1	257	13.0	13.0			1990	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

548	616	414		49	220	1158	-57.3		341	094	1684	-74.9
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NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	606	988	606	26.3	34.0	17.0	605	16.5	606	068	0.7	2.8	1.64	1.51	1972	1983
<i>1000</i>	568	12											15.01			
<i>950</i>	567	459	567	28.3	37.2	17.2	553	14.2	552	069	0.3	7.4	15.06	1.68	1985	1987
<i>900</i>	567	942	566	26.7	36.2	13.0	542	10.7	551	293	2.2	7.6	11.72	1.67	1984	1987
<i>850</i>	567	1443	566	23.4	34.0	8.0	533	7.2	550	300	4.6	7.4	10.47	1.61	1988	1989
<i>800</i>	567	1968	564	19.5	30.8	7.8	531	4.0	548	301	7.1	8.9	8.68	1.57	1988	1987
<i>750</i>	567	2508	567	15.0	25.2	4.6	529	0.8	543	300	9.1	10.5	13.12	1.50	1988	1987
<i>700</i>	567	3096	564	10.3	19.4	1.8	521	-2.7	548	299	10.7	12.0	8.68	1.39	1988	1987
<i>650</i>	567	3697	566	5.3	17.8	-3.0	514	-6.6	548	299	11.5	12.8	15.67	1.29	1989	1972
<i>600</i>	562	4354	562	0.4	8.8	-8.1	474	-10.8	544	298	11.6	13.0	11.63	1.35	1988	1987
<i>550</i>	561	5051	560	-4.1	4.6	-12.9	408	-16.1	539	297	11.3	12.8	18.39	1.38	1984	1987
<i>500</i>	559	5792	558	-8.5	0.8	-19.0	316	-21.4	540	293	11.4	13.1	17.20	1.47	1984	1977
<i>450</i>	556	6604	555	-13.5	-3.0	-23.9	259	-26.7	528	288	12.2	13.9	24.08	1.56	1975	1987
<i>400</i>	554	7491	554	-19.3	-8.1	-30.3	238	-32.4	529	283	13.7	15.6	26.40	1.59	1990	1987
<i>350</i>	551	8475	551	-25.7	-13.3	-38.7	213	-38.7	524	279	15.9	18.1	29.25	1.79	1990	1987
<i>300</i>	544	9575	541	-33.0	-20.3	-47.9	176	-45.3	516	274	18.4	20.8	40.37	2.05	1990	1989
<i>250</i>	530	10835	528	-41.4	-29.5	-55.9	114	-52.7	507	269	20.8	23.2	50.79	2.27	1990	1987
<i>200</i>	513	12315	512	-51.5	-40.5	-66.5	2	-61.5	484	264	22.2	24.5	61.69	2.19	1990	1989
<i>175</i>	487	13171	486	-57.1	-46.1	-71.9			457	262	21.1	23.3	68.51	1.78	1990	1989
<i>150</i>	454	14133	453	-63.4	-52.5	-76.5			426	259	18.6	21.1	76.43	1.91	1990	1989
<i>125</i>	424	15236	423	-69.8	-56.0	-83.0			388	257	14.1	16.7	86.46	2.26	1977	1978
<i>100</i>	379	16546	378	-75.1	-57.9	-86.3			347	261	8.4	12.1	92.13	2.39	1986	1979
<i>80</i>	324	17839	323	-74.8	-61.9	-87.0			294	269	1.5	9.1	96.78	2.77	1982	1975
<i>70</i>	294	18637	292	-71.5	-54.7	-85.0			264	062	1.7	8.1	104.41	3.22	1986	1975
<i>60</i>	260	19556	260	-66.7	-52.3	-81.0			230	075	4.4	8.2	107.62	2.80	1987	1972
<i>50</i>	213	20675	213	-61.1	-45.1	-77.0			190	086	5.0	7.9	100.04	3.27	1986	1978
<i>40</i>	150	22080	149	-56.1	-40.9	-72.9			130	085	5.4	7.7	110.97	3.24	1990	1985
<i>30</i>	87	23943	86	-51.2	-39.9	-68.1			71	095	5.5	7.9	154.69	3.39	1990	1985
<i>25</i>	61	25153	61	-48.4	-35.1	-65.1			51	097	5.6	7.7	195.69	4.82	1990	1985
<i>20</i>	35	26645	35	-44.9	-35.3	-60.9			27	086	4.8	6.9	158.37	2.52	1987	1985
<i>15</i>	19	28495	19	-43.7	-35.1	-57.9			15	093	3.6	6.1			1988	1985
<i>10</i>	8	31161	8	-44.3	-35.5	-54.9			7	064	3.7	9.3			1985	1985
<i>7</i>	3	33468	3	-45.4	-44.1	-48.1			3	056	7.8	8.0			1982	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

560 594 444

6 199 1227 -59.8

359 096 1682 -77.0

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	598	984	598	28.2	36.0	21.0	597	21.9	598	083	0.9	2.5	1.12	0.97	1972	1979
1000	538	-22	1	19.0	19.0	19.0	1	17.0	1	220	5.0	5.0	8.46		1971	1971
950	535	429	534	28.5	41.0	21.2	533	19.7	524	126	1.3	7.1	11.61	1.14	1990	1989
900	535	910	533	26.6	40.4	18.0	531	16.5	521	247	1.0	7.5	9.74	1.26	1983	1975
850	535	1412	533	23.5	34.4	12.0	530	13.5	522	295	2.4	7.5	10.55	1.16	1983	1975
800	535	1938	534	19.9	30.0	11.8	529	10.8	518	307	3.9	7.9	11.99	1.08	1990	1989
750	535	2485	535	15.9	26.2	6.4	531	7.6	516	311	5.0	8.7	15.10	1.07	1990	1982
700	535	3071	534	11.8	22.8	4.2	527	3.6	513	315	5.9	9.0	15.06	1.08	1990	1983
650	532	3680	530	7.6	19.0	-1.0	511	-0.7	508	316	5.8	8.9	15.30	1.24	1990	1977
600	530	4340	529	3.6	15.0	-5.3	485	-5.1	507	312	5.2	8.5	18.81	1.43	1990	1979
550	528	5051	527	-0.4	9.6	-9.1	453	-9.1	502	302	4.4	8.0	27.37	1.44	1990	1979
500	525	5798	523	-4.1	5.2	-13.5	413	-13.3	497	290	3.9	7.9	22.09	1.44	1990	1983
450	517	6628	515	-8.2	2.0	-19.7	360	-18.7	489	284	4.1	8.6	28.73	1.59	1974	1983
400	513	7530	509	-13.2	-2.3	-26.7	303	-24.7	484	274	4.6	9.3	30.88	1.78	1990	1983
350	507	8538	504	-19.4	-10.1	-33.9	258	-31.7	475	268	5.4	9.8	35.68	1.98	1990	1983
300	498	9666	497	-27.3	-18.1	-40.0	210	-39.5	462	268	5.8	10.5	44.46	2.01	1990	1977
250	491	10954	491	-37.1	-27.1	-50.0	150	-48.0	455	262	6.0	10.8	55.57	2.15	1990	1977
200	480	12457	480	-49.2	-38.5	-63.0	21	-56.4	446	258	5.3	10.7	68.45	2.22	1990	1977
175	458	13321	458	-56.3	-45.5	-72.0			421	258	4.7	10.8	83.09	2.48	1990	1977
150	432	14281	431	-63.9	-51.9	-80.0			394	266	3.0	10.3	91.11	2.41	1988	1977
125	410	15372	410	-71.8	-58.1	-85.1			370	344	0.6	9.6	98.47	2.45	1988	1989
100	372	16667	372	-77.4	-65.9	-91.0			334	067	4.3	9.9	114.97	2.60	1989	1978
80	323	17947	322	-76.1	-54.1	-91.0			289	078	9.0	10.9	126.01	3.83	1982	1978
70	303	18738	301	-72.2	-48.9	-86.1			266	083	10.3	11.5	141.13	4.31	1982	1985
60	263	19641	261	-66.7	-44.3	-83.0			231	088	12.0	12.8	150.66	4.59	1982	1975
50	210	20747	210	-61.3	-42.9	-78.0			182	087	12.0	12.9	165.05	3.94	1989	1978
40	140	22145	140	-55.5	-40.3	-70.9			120	089	13.3	13.9	197.35	4.45	1989	1988
30	89	23963	89	-50.6	-40.5	-62.9			77	094	15.6	16.3	234.36	3.67	1990	1988
25	62	25126	62	-48.8	-34.5	-56.7			57	093	15.9	16.4	283.16	4.83	1990	1988
20	23	26564	23	-48.4	-40.1	-55.5			20	096	16.2	16.7	256.67	3.61	1986	1988
15	13	28430	13	-46.7	-40.7	-54.1			12	097	15.5	16.1			1984	1988
10	3	31234	3	-45.0	-40.7	-51.9			2	095	21.0	21.0			1984	1988
7	2	33672	2	-43.2	-39.9	-46.5			1	101	22.9	23.0			1984	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

527	553	501		2	130	1486	-79.7		353	098	1684	-79.1
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NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	984	620	27.4	35.0	20.0	620	24.7	620	115	0.7	2.5	0.95	0.92	1972	1984
<i>1000</i>	593	-20											8.47			
<i>950</i>	587	427	586	26.1	33.6	18.6	584	23.2	569	153	1.2	6.7	11.64	1.01	1982	1989
<i>900</i>	587	906	586	23.8	33.0	16.8	584	20.5	570	170	0.8	7.5	8.14	1.17	1989	1989
<i>850</i>	587	1404	586	21.0	29.8	10.8	584	17.8	578	168	0.2	7.5	8.86	1.08	1989	1986
<i>800</i>	587	1927	586	18.0	28.0	11.2	585	14.8	576	035	0.4	7.6	9.81	0.92	1972	1981
<i>750</i>	587	2476	586	14.9	26.0	7.4	585	11.8	579	017	0.7	7.4	14.32	0.88	1974	1987
<i>700</i>	587	3056	585	11.6	20.0	5.0	584	7.9	577	042	0.7	7.1	12.27	1.03	1989	1984
<i>650</i>	585	3671	583	8.4	19.2	1.0	581	3.5	570	073	0.7	6.4	13.86	1.15	1980	1980
<i>600</i>	582	4330	580	5.1	13.5	-2.1	574	-0.8	562	097	0.9	6.1	15.96	1.20	1989	1984
<i>550</i>	576	5048	573	1.4	11.0	-5.1	560	-4.9	552	112	1.4	6.0	25.83	1.25	1988	1984
<i>500</i>	569	5798	567	-2.6	7.6	-11.5	543	-9.5	546	111	2.1	6.1	21.06	1.35	1989	1990
<i>450</i>	562	6634	562	-7.1	3.0	-14.5	513	-14.3	539	111	2.6	6.3	28.40	1.44	1989	1987
<i>400</i>	558	7539	556	-12.4	-1.9	-19.9	483	-20.2	533	112	3.1	6.6	29.52	1.54	1989	1987
<i>350</i>	545	8549	544	-18.7	-8.1	-27.1	434	-27.3	520	109	3.9	6.9	36.46	1.69	1989	1987
<i>300</i>	537	9682	535	-26.7	-16.1	-37.1	377	-35.5	510	104	4.7	7.6	43.31	1.90	1989	1987
<i>250</i>	520	10973	519	-36.9	-25.3	-47.9	223	-44.6	492	099	5.6	8.4	52.61	2.06	1989	1987
<i>200</i>	505	12477	504	-49.7	-38.9	-62.9	31	-55.8	475	093	7.1	10.5	66.78	2.38	1989	1987
<i>175</i>	482	13337	481	-57.3	-46.3	-71.3	1	-59.0	451	092	8.0	11.2	75.36	2.52	1989	1987
<i>150</i>	455	14291	454	-65.5	-53.1	-77.3			422	085	8.8	12.2	87.05	2.63	1988	1985
<i>125</i>	404	15379	403	-73.3	-60.9	-86.1			376	081	11.4	14.2	98.01	2.40	1988	1979
<i>100</i>	359	16664	358	-78.1	-62.0	-89.3			333	078	14.3	16.1	108.79	2.63	1976	1984
<i>80</i>	310	17946	310	-75.1	-51.0	-88.0			285	082	16.6	17.5	117.81	3.98	1976	1978
<i>70</i>	278	18735	278	-71.0	-46.0	-83.0			261	083	16.9	17.6	126.00	3.73	1976	1978
<i>60</i>	244	19647	244	-65.7	-46.0	-78.0			222	088	17.1	17.6	133.35	3.55	1976	1973
<i>50</i>	193	20771	193	-61.0	-45.9	-76.0			171	092	17.2	17.8	150.89	3.61	1989	1973
<i>40</i>	117	22169	116	-57.1	-42.9	-74.0			102	091	18.9	19.6	190.04	4.02	1989	1973
<i>30</i>	84	24011	84	-52.1	-36.5	-69.0			74	093	19.6	20.8	224.40	3.25	1989	1973
<i>25</i>	65	25178	65	-49.9	-39.5	-66.0			56	096	19.3	20.4	219.97	3.53	1990	1973
<i>20</i>	34	26738	34	-46.2	-35.1	-55.1			28	098	19.7	21.5	290.91	4.15	1990	1984
<i>15</i>	15	28715	15	-43.4	-31.5	-50.3			6	101	19.8	20.2			1990	1984
<i>10</i>	3	31307	3	-44.2	-43.1	-45.1			1	091	26.0	26.0			1988	1984
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
571	533	530					341	101	1659	-79.7

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DJD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	985	619	27.1	32.0	22.0	619	24.8	619	091	1.0	2.6	1.02	0.71	1973	1985
<i>1000</i>	575	-7											7.85			
<i>950</i>	575	439	574	25.7	35.0	19.4	573	23.1	557	106	2.4	6.9	10.61	0.69	1972	1985
<i>900</i>	575	919	573	23.3	32.2	15.8	572	20.3	558	107	2.7	7.7	8.70	0.74	1987	1985
<i>850</i>	575	1415	575	20.5	28.8	12.4	574	17.4	563	098	3.3	7.7	9.90	0.77	1987	1985
<i>800</i>	575	1938	575	17.6	25.0	8.8	574	14.4	564	094	3.3	7.7	11.00	0.77	1987	1986
<i>750</i>	575	2484	575	14.6	21.0	7.4	574	11.1	563	093	3.4	7.4	13.55	0.81	1987	1985
<i>700</i>	575	3066	575	11.6	18.6	4.6	574	7.2	561	097	3.2	6.9	13.32	0.88	1990	1985
<i>650</i>	575	3682	574	8.4	17.2	1.4	573	2.9	557	100	3.0	6.7	15.52	0.92	1989	1985
<i>600</i>	573	4340	571	4.9	11.0	-2.0	558	-1.1	554	104	2.9	6.3	16.38	0.88	1990	1977
<i>550</i>	571	5057	569	1.2	7.8	-4.9	545	-5.1	553	104	3.2	5.2	26.44	0.99	1988	1984
<i>500</i>	567	5807	564	-2.9	3.8	-9.9	521	-9.5	546	106	3.5	6.2	20.00	1.08	1988	1981
<i>450</i>	565	6642	564	-7.6	3.2	-15.5	506	-14.8	545	105	3.7	6.4	29.24	1.14	1986	1979
<i>400</i>	562	7545	562	-12.9	-4.0	-21.9	477	-21.0	544	104	4.1	6.5	26.34	1.34	1973	1979
<i>350</i>	557	8552	557	-19.4	-11.1	-29.1	420	-27.9	538	104	4.5	6.7	32.66	1.68	1988	1979
<i>300</i>	544	9683	544	-27.4	-16.5	-36.1	354	-35.9	525	101	5.2	7.4	39.39	1.95	1988	1986
<i>250</i>	532	10969	529	-37.7	-25.5	-48.0	215	-45.1	509	100	6.0	8.3	50.43	2.35	1988	1976
<i>200</i>	514	12467	512	-50.6	-38.1	-62.7	34	-56.1	493	094	6.7	9.6	64.64	2.75	1988	1981
<i>175</i>	492	13323	490	-58.2	-45.1	-71.5			467	088	7.0	10.2	76.01	2.90	1990	1981
<i>150</i>	458	14278	458	-66.2	-50.9	-78.5			437	083	8.1	11.0	89.67	3.00	1988	1981
<i>125</i>	409	15366	409	-73.9	-56.0	-85.5			385	080	10.3	12.5	104.67	3.04	1972	1979
<i>100</i>	362	16646	362	-77.9	-66.1	-89.1			343	080	14.0	15.4	124.49	2.26	1989	1989
<i>80</i>	323	17933	322	-74.3	-59.9	-87.1			306	081	16.3	17.1	132.45	2.98	1989	1982
<i>70</i>	297	18737	297	-70.1	-54.0	-83.0			276	087	16.5	17.2	132.10	3.45	1976	1978
<i>60</i>	259	19656	259	-65.5	-49.3	-80.0			239	088	16.3	16.8	141.00	3.29	1990	1978
<i>50</i>	206	20762	206	-61.4	-48.7	-76.0			185	088	16.7	17.2	143.91	2.74	1989	1978
<i>40</i>	141	22143	141	-57.3	-45.0	-71.0			127	091	19.2	19.5	151.71	3.79	1977	1978
<i>30</i>	95	23963	95	-53.0	-42.1	-63.0			87	095	21.4	21.8	181.46	3.19	1985	1972
<i>25</i>	69	25129	69	-50.5	-38.1	-59.0			61	099	21.1	21.5	205.36	3.94	1990	1978
<i>20</i>	38	26673	38	-48.2	-37.5	-56.3			30	098	21.5	21.7	234.24	3.55	1990	1984
<i>15</i>	15	28627	15	-46.2	-33.7	-54.1			11	100	23.1	23.5			1990	1984
<i>10</i>	3	31701	3	-37.5	-31.1	-41.1			2	106	26.5	26.5			1990	1987
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

565 536 527

352 104 1646 -79.5

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	990	599	25.9	35.4	21.0	599	23.2	599	072	0.4	2.3	0.74	1.00	1981	1979
<i>1000</i>	572	30											6.58			
<i>950</i>	565	472	564	25.1	32.6	19.0	561	20.9	548	077	0.9	6.4	10.10	0.85	1988	1975
<i>900</i>	565	954	563	22.6	30.2	16.2	558	17.8	550	064	1.0	7.1	7.38	0.81	1986	1985
<i>850</i>	565	1449	564	19.5	27.4	14.0	559	14.5	555	027	1.2	7.4	8.09	0.79	1986	1978
<i>800</i>	565	1968	565	16.3	23.8	10.6	560	11.0	554	015	1.8	7.7	8.97	0.81	1986	1984
<i>750</i>	565	2508	564	13.0	19.4	7.2	558	6.8	554	013	1.6	7.2	11.67	0.98	1990	1984
<i>700</i>	565	3090	565	9.6	17.6	2.6	547	2.7	556	016	1.1	6.8	10.60	1.16	1988	1984
<i>650</i>	562	3700	562	6.3	14.0	-2.1	518	-1.1	550	079	0.3	6.3	14.02	1.24	1990	1984
<i>600</i>	559	4354	559	2.9	9.4	-7.1	495	-5.4	546	184	0.8	6.2	14.25	1.35	1990	1984
<i>550</i>	556	5064	553	-0.7	8.6	-9.7	451	-9.3	544	207	1.3	6.3	24.77	1.49	1986	1984
<i>500</i>	553	5811	551	-4.8	4.0	-15.3	410	-14.1	544	230	2.1	6.5	20.44	1.43	1986	1989
<i>450</i>	549	6638	547	-9.5	-2.9	-17.0	368	-19.3	538	239	2.4	6.7	25.85	1.47	1989	1976
<i>400</i>	540	7535	538	-15.2	-7.9	-26.0	331	-25.3	533	245	3.0	7.0	29.10	1.62	1986	1974
<i>350</i>	532	8534	532	-21.9	-13.9	-30.9	291	-32.3	524	249	3.8	7.5	33.05	1.69	1986	1986
<i>300</i>	525	9650	523	-30.2	-21.7	-38.3	236	-40.1	516	248	4.7	8.2	41.65	1.79	1986	1982
<i>250</i>	515	10922	515	-40.3	-32.3	-49.7	131	-48.7	506	245	5.4	9.5	51.58	2.00	1988	1982
<i>200</i>	506	12404	506	-52.7	-41.1	-63.0	12	-57.2	496	243	5.5	10.2	64.25	2.30	1988	1976
<i>175</i>	486	13254	486	-59.9	-47.1	-70.0			473	244	4.9	10.1	72.56	2.45	1988	1976
<i>150</i>	451	14202	451	-67.6	-56.1	-77.5			439	241	3.5	9.6	84.47	2.46	1988	1979
<i>125</i>	397	15278	396	-74.8	-66.1	-83.7			385	244	0.8	8.7	96.04	2.32	1986	1979
<i>100</i>	370	16558	370	-78.4	-66.0	-88.9			360	075	2.9	7.3	111.81	2.10	1976	1982
<i>80</i>	334	17843	334	-74.5	-58.0	-86.1			320	078	6.2	7.9	112.43	2.89	1976	1981
<i>70</i>	303	18637	303	-70.1	-56.0	-82.3			291	083	7.8	8.8	112.80	2.99	1976	1983
<i>60</i>	268	19556	268	-65.4	-52.0	-80.9			254	088	9.2	9.9	115.53	2.80	1976	1983
<i>50</i>	216	20671	216	-61.3	-51.0	-76.9			199	091	10.3	10.9	122.03	2.68	1976	1983
<i>40</i>	146	22051	146	-57.4	-46.3	-67.1			142	091	13.2	13.6	149.80	2.02	1986	1982
<i>30</i>	104	23897	104	-52.7	-42.3	-63.5			96	096	14.3	14.7	153.86	2.21	1990	1982
<i>25</i>	67	25044	67	-51.0	-37.9	-60.0			63	096	15.0	15.4	172.06	2.96	1988	1973
<i>20</i>	45	26508	45	-48.9	-35.3	-58.1			42	097	14.9	15.4	174.07	2.50	1988	1990
<i>15</i>	23	28430	23	-46.9	-36.1	-52.9			22	099	15.5	15.8	210.15	3.40	1990	1984
<i>10</i>	11	31091	11	-44.9	-38.9	-48.9			9	101	19.1	19.6			1990	1986
<i>7</i>	2	33295	2	-43.2	-43.1	-43.3			2	097	18.9	19.0			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

555 561 490

364 104 1635 -79.9

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	pH	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	995	620	21.5	29.0	12.0	620	17.8	620	297	0.1	1.3	1.32	1.06	1988	1974
1000	591	79	25	19.4	24.0	15.0	25	15.4	25	322	0.6	2.1	11.53	2.42	1981	1990
950	585	519	584	23.5	31.0	12.8	580	14.1	570	315	0.8	4.6	11.34	1.31	1971	1989
900	585	995	583	20.9	29.6	11.4	578	10.0	568	322	2.2	5.1	11.50	1.07	1989	1986
850	585	1486	584	17.6	30.4	7.2	572	6.0	572	317	3.7	6.1	11.45	1.01	1989	1985
800	585	2001	583	14.0	27.8	2.2	542	2.1	573	318	4.6	7.2	11.69	1.13	1989	1989
750	585	2532	583	10.5	22.6	2.0	511	-1.6	572	318	4.9	7.6	16.05	1.22	1989	1973
700	585	3112	585	6.8	16.8	-0.3	457	-5.4	576	314	4.7	7.3	12.57	1.32	1988	1982
650	580	3711	579	3.3	13.0	-7.5	387	-8.9	571	303	4.7	7.3	14.64	1.39	1972	1989
600	577	4361	576	0.0	8.2	-10.1	306	-12.2	570	289	5.1	7.7	14.79	1.51	1988	1989
550	570	5059	569	-3.9	4.0	-16.0	243	-16.2	562	281	6.5	9.0	19.41	1.60	1971	1974
500	562	5800	560	-8.4	0.0	-20.9	218	-20.7	554	275	8.8	11.0	20.54	1.63	1971	1989
450	558	6611	557	-13.4	-4.0	-26.7	190	-25.6	551	273	11.3	13.4	24.76	1.93	1971	1989
400	551	7499	551	-19.2	-9.0	-31.0	176	-30.6	545	271	13.9	16.2	30.40	2.18	1971	1977
350	543	8481	543	-25.9	-13.0	-36.1	165	-36.9	537	268	16.9	19.1	37.14	2.32	1973	1979
300	535	9581	535	-33.6	-21.3	-45.9	149	-44.0	527	264	20.5	22.4	47.65	2.71	1988	1979
250	522	10835	522	-42.9	-30.0	-55.3	94	-51.8	508	262	23.0	25.0	62.63	2.95	1973	1979
200	488	12305	488	-54.3	-40.5	-65.9	3	-60.0	465	259	23.9	25.8	79.37	2.81	1989	1979
175	456	13150	456	-60.6	-47.1	-72.0			432	259	23.3	25.0	92.09	2.86	1989	1977
150	414	14095	414	-67.2	-52.3	-82.0			393	258	20.4	22.2	102.28	2.82	1989	1977
125	378	15174	378	-73.4	-56.9	-84.3			358	259	16.7	18.5	122.29	2.93	1989	1979
100	352	16463	352	-77.1	-67.0	-88.3			336	260	10.4	12.8	131.18	2.69	1976	1979
80	315	17750	315	-74.1	-58.0	-88.0			295	275	4.1	8.3	143.95	3.28	1976	1978
70	286	18537	286	-70.5	-55.1	-83.0			265	293	1.6	6.6	149.67	2.72	1986	1978
60	249	19452	249	-65.9	-50.1	-78.1			228	011	1.1	6.5	161.02	2.30	1986	1983
50	191	20566	191	-61.8	-43.7	-72.5			174	080	2.7	5.8	179.61	2.74	1990	1983
40	122	21970	122	-57.7	-37.3	-68.0			114	092	4.5	6.7	200.71	3.17	1990	1973
30	85	23795	85	-54.0	-30.9	-64.0			75	086	5.2	7.4	226.29	3.47	1990	1978
25	54	24950	54	-52.5	-44.9	-61.5			49	091	5.0	7.7	219.24	2.75	1989	1983
20	34	26446	34	-50.4	-42.5	-59.1			31	105	4.5	7.8	306.42	3.17	1989	1983
15	20	28436	20	-48.0	-37.1	-56.1			16	092	5.9	10.0			1987	1983
10	10	30990	10	-47.0	-38.5	-52.7			9	115	3.2	10.3			1990	1983
7	3	33052	3	-48.9	-45.9	-50.5			2	154	6.3	8.0			1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
579	601	436	3	142	1420	-73.8	335	104	1626	-78.4

NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	587	999	587	15.0	24.0	7.0	586	11.5	587	314	0.6	1.3	1.14	1.59	1979	1974
<i>1000</i>	539	116	200	14.9	22.5	8.0	200	10.6	198	321	0.8	1.6	11.55	2.26	1979	1978
<i>950</i>	534	553	532	19.8	29.6	10.0	525	7.8	521	321	2.2	4.5	10.89	1.55	1988	1976
<i>900</i>	534	1020	533	16.9	27.0	6.8	516	3.9	522	316	3.1	4.9	9.90	1.49	1974	1982
<i>850</i>	534	1504	533	13.8	24.6	4.2	489	0.0	522	311	4.1	6.0	9.82	1.53	1989	1982
<i>800</i>	534	2012	533	11.0	21.4	1.8	424	-3.5	525	313	5.2	7.0	11.00	1.58	1989	1982
<i>750</i>	534	2542	534	8.1	19.8	-4.9	361	-6.8	525	308	5.8	7.5	11.69	1.73	1988	1981
<i>700</i>	534	3112	534	5.2	17.2	-3.7	318	-10.2	528	303	6.7	8.2	15.37	1.68	1988	1982
<i>650</i>	532	3712	531	2.0	13.8	-6.7	265	-13.8	521	297	7.9	9.3	18.92	1.74	1988	1981
<i>600</i>	531	4354	531	-1.7	8.8	-11.3	231	-17.1	518	291	9.6	11.0	22.23	1.65	1988	1985
<i>550</i>	528	5048	528	-6.1	4.2	-17.0	210	-20.8	518	286	11.8	13.3	26.85	1.56	1988	1975
<i>500</i>	524	5782	524	-11.0	-0.3	-26.9	190	-25.1	517	282	14.4	16.1	29.42	1.69	1988	1988
<i>450</i>	516	6583	515	-16.5	-5.1	-26.7	193	-29.8	510	280	17.9	19.6	35.22	1.93	1988	1982
<i>400</i>	515	7459	514	-22.7	-12.1	-34.3	175	-34.8	508	278	22.0	24.0	40.74	1.98	1988	1982
<i>350</i>	507	8428	505	-29.5	-17.7	-41.7	154	-40.8	492	276	25.9	28.2	45.98	2.21	1990	1982
<i>300</i>	502	9511	500	-37.1	-23.1	-50.5	144	-47.4	487	273	29.9	32.5	56.08	2.39	1990	1983
<i>250</i>	480	10751	480	-45.5	-29.5	-56.3	78	-54.7	461	268	34.2	36.6	66.98	2.59	1990	1979
<i>200</i>	445	12203	444	-55.5	-41.1	-66.7	1	-59.0	424	266	36.6	39.1	79.27	2.95	1988	1985
<i>175</i>	418	13045	418	-61.0	-44.1	-74.9			394	265	35.8	38.1	89.05	3.25	1988	1985
<i>150</i>	396	13992	396	-66.2	-48.3	-77.9			367	265	32.9	34.7	100.26	3.50	1988	1985
<i>125</i>	367	15081	367	-71.1	-56.0	-84.0			331	266	27.7	29.8	108.60	3.29	1973	1978
<i>100</i>	325	16385	325	-74.9	-62.5	-88.1			291	269	20.8	22.6	120.15	3.00	1989	1979
<i>80</i>	282	17681	282	-74.2	-60.1	-85.9			248	275	12.9	15.3	131.18	3.80	1989	1981
<i>70</i>	260	18470	260	-71.8	-58.1	-82.0			224	279	9.1	11.7	134.03	4.14	1989	1977
<i>60</i>	223	19385	223	-68.2	-52.0	-80.0			185	287	5.3	9.2	142.56	4.02	1976	1977
<i>50</i>	179	20479	179	-64.0	-48.0	-78.3			138	301	4.1	8.2	148.57	4.35	1976	1987
<i>40</i>	106	21856	106	-59.6	-46.9	-70.9			77	286	4.2	8.0	161.70	2.77	1983	1984
<i>30</i>	53	23658	53	-55.8	-47.3	-67.1			35	286	4.2	9.4	183.23	4.07	1981	1984
<i>25</i>	29	24826	29	-53.8	-45.7	-64.3			19	301	3.3	11.6	240.25	5.46	1986	1984
<i>20</i>	12	26347	12	-51.0	-41.9	-60.3			7	097	2.9	12.3			1986	1987
<i>15</i>	6	28329	6	-48.0	-42.3	-54.5			3	106	8.6	14.7			1986	1987
<i>10</i>	3	31135	3	-45.9	-43.1	-48.7			1	286	13.9	14.0			1988	1987
<i>7</i>	2	33386	2	-42.6	-41.1	-44.1			1	281	14.0	14.0			1988	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

527	625	405		14	174	1302	-66.0		305	102	1629	-76.2
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NORMALS OF RADIOSONDE DATA

42369 LUCKNOW

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	1002	619	10.7	19.0	4.0	619	7.7	619	311	1.1	1.7	1.30	1.02	1985	1973
<i>1000</i>	594	134	432	11.2	19.0	4.0	432	7.5	430	317	1.5	2.2	8.94	1.05	1975	1973
<i>950</i>	584	564	584	15.4	27.4	4.0	576	4.5	576	320	3.2	5.4	9.72	1.12	1988	1989
<i>900</i>	585	1024	584	13.2	27.8	5.0	550	0.1	575	308	4.0	6.0	8.07	1.15	1988	1978
<i>850</i>	585	1503	583	11.2	26.0	2.0	460	-3.2	573	304	5.1	6.9	8.30	1.22	1988	1977
<i>800</i>	585	2008	583	9.1	21.0	-1.0	380	-5.4	570	301	6.1	7.7	9.19	1.62	1988	1977
<i>750</i>	585	2533	585	6.5	18.4	-5.1	321	-7.9	568	297	7.1	8.6	13.31	1.84	1990	1989
<i>700</i>	584	3102	583	3.5	15.0	-8.5	288	-10.8	570	293	8.3	9.8	14.18	1.87	1990	1989
<i>650</i>	581	3696	581	0.0	11.0	-12.1	244	-13.8	565	288	10.0	11.4	18.47	1.80	1990	1989
<i>600</i>	577	4336	577	-3.8	6.8	-15.1	217	-16.9	560	283	12.2	13.6	21.15	1.73	1990	1989
<i>550</i>	572	5019	572	-8.3	2.2	-19.7	203	-21.0	556	280	15.4	16.8	27.72	1.78	1990	1989
<i>500</i>	570	5751	570	-13.3	-2.5	-24.1	188	-25.6	556	278	18.5	19.9	30.24	1.83	1990	1989
<i>450</i>	563	6544	562	-19.0	-8.1	-29.1	171	-29.9	544	276	22.4	23.9	39.15	1.97	1990	1989
<i>400</i>	556	7412	556	-25.3	-14.7	-36.1	161	-35.4	534	275	26.8	28.3	42.06	2.09	1990	1979
<i>350</i>	546	8368	546	-32.2	-18.0	-44.9	143	-41.3	516	274	31.5	33.3	50.06	2.26	1973	1979
<i>300</i>	539	9439	539	-39.7	-23.0	-51.9	110	-47.2	509	272	36.7	38.9	58.37	2.38	1973	1981
<i>250</i>	530	10663	530	-48.1	-33.0	-58.9	55	-53.8	487	268	41.7	44.1	69.99	2.48	1973	1979
<i>200</i>	497	12099	496	-57.3	-45.7	-70.0	4	-60.3	454	265	44.2	46.4	81.50	2.11	1988	1978
<i>175</i>	469	12937	469	-61.7	-48.0	-72.0			425	265	42.1	44.1	89.64	2.16	1973	1977
<i>150</i>	438	13881	438	-65.7	-53.9	-78.1			393	265	38.8	40.3	98.91	2.18	1986	1982
<i>125</i>	404	14974	404	-69.9	-57.0	-80.1			363	266	34.7	35.9	100.12	2.29	1974	1981
<i>100</i>	369	16288	369	-73.4	-60.5	-87.9			332	267	27.9	29.2	106.20	2.44	1986	1981
<i>80</i>	333	17585	333	-73.7	-56.7	-86.0			303	272	17.1	19.0	113.21	2.86	1986	1971
<i>70</i>	304	18374	304	-71.8	-55.1	-86.0			268	274	13.5	15.2	118.93	3.56	1986	1971
<i>60</i>	255	19284	255	-68.6	-46.0	-83.9			226	276	9.9	12.1	115.57	3.66	1976	1984
<i>50</i>	183	20384	183	-65.4	-49.3	-80.1			160	281	7.8	11.0	183.06	4.33	1986	1982
<i>40</i>	109	21736	109	-61.8	-44.1	-75.0			91	283	8.3	11.4	206.43	3.98	1986	1977
<i>30</i>	51	23503	51	-58.5	-48.7	-68.5			39	286	8.4	11.9	227.19	2.60	1986	1984
<i>25</i>	27	24598	27	-56.5	-48.7	-64.5			20	282	8.4	13.7	286.17	3.17	1986	1984
<i>20</i>	14	26107	14	-53.2	-44.5	-64.5			11	288	8.6	13.3			1982	1984
<i>15</i>	6	28071	6	-50.2	-44.1	-56.9			5	254	14.1	17.2			1990	1984
<i>10</i>	2	30962	2	-47.8	-40.9	-54.7			2	256	20.8	25.0			1990	1984
<i>7</i>	1	33012	1	-52.9	-52.9	-52.9									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
581	654	366	54	184	1258	-65.3	348	099	1642	-75.2

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

JANUARY 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	489	1008	489	22.2	26.2	18.0	489	20.0	489	062	1.7	2.6	1.03	0.73	1986	1975
<i>1000</i>	462	100	462	22.4	25.8	18.8	461	19.6	448	059	2.7	4.3	7.98	0.66	1985	1981
<i>950</i>	462	541	462	22.2	31.2	15.4	460	15.5	458	060	2.5	4.8	10.61	0.80	1989	1982
<i>900</i>	462	1016	462	19.7	28.6	13.6	458	10.6	458	087	2.4	4.9	7.82	0.95	1989	1982
<i>850</i>	462	1506	462	16.5	24.4	8.4	454	7.3	458	109	3.0	4.6	8.42	1.06	1989	1982
<i>800</i>	461	2020	461	13.4	24.0	6.2	427	2.5	457	115	3.1	4.6	8.97	1.35	1989	1984
<i>750</i>	461	2558	460	11.2	22.0	3.0	314	-1.7	456	110	2.3	4.6	10.83	1.61	1989	1981
<i>700</i>	461	3135	459	9.2	17.8	0.2	183	-6.4	456	095	1.4	5.0	12.63	1.30	1989	1982
<i>650</i>	455	3745	454	6.2	14.2	-4.1	111	-10.6	448	073	1.1	5.5	13.77	1.25	1989	1984
<i>600</i>	453	4397	453	2.7	10.4	-4.5	87	-13.7	442	072	0.9	5.9	16.63	1.17	1989	1984
<i>550</i>	449	5094	449	-1.4	7.2	-8.3	81	-17.6	440	023	0.8	6.1	19.43	1.24	1990	1984
<i>500</i>	446	5849	446	-5.9	2.8	-13.9	71	-21.7	436	333	1.0	6.9	21.99	1.36	1990	1979
<i>450</i>	439	6664	439	-10.8	-2.7	-20.5	55	-25.9	424	305	2.5	8.2	26.31	1.57	1990	1979
<i>400</i>	430	7564	430	-16.5	-7.1	-25.0	48	-31.4	412	300	4.3	9.8	31.56	1.80	1990	1976
<i>350</i>	423	8552	423	-23.2	-13.7	-31.9	37	-37.9	400	287	6.4	11.3	41.92	1.89	1990	1979
<i>300</i>	417	9670	417	-31.4	-21.3	-40.5	32	-46.0	391	271	8.4	12.7	45.02	2.15	1990	1979
<i>250</i>	404	10936	404	-41.6	-30.3	-52.3	4	-53.9	372	259	9.5	13.7	55.40	2.18	1990	1986
<i>200</i>	387	12411	387	-53.9	-44.1	-64.1			349	254	9.9	14.9	69.07	2.23	1990	1979
<i>175</i>	365	13259	365	-60.8	-50.9	-70.3			318	256	9.2	14.9	78.59	2.28	1990	1986
<i>150</i>	348	14204	348	-67.8	-55.5	-76.0			296	253	7.2	13.5	88.38	2.11	1989	1977
<i>125</i>	314	15283	314	-74.6	-63.1	-87.1			261	256	4.9	12.5	99.46	2.58	1990	1986
<i>100</i>	282	16566	282	-79.7	-69.5	-89.5			228	254	1.6	10.1	113.76	2.50	1990	1980
<i>80</i>	246	17843	245	-78.2	-62.1	-90.1			180	101	1.4	7.6	127.79	2.89	1990	1986
<i>70</i>	233	18623	232	-74.3	-56.1	-86.5			170	089	0.9	6.6	135.47	2.91	1990	1986
<i>60</i>	214	19529	212	-69.1	-52.7	-82.1			152	087	0.5	6.6	150.98	2.86	1983	1980
<i>50</i>	195	20634	195	-63.9	-49.3	-76.1			132	088	1.7	7.7	170.88	2.60	1983	1980
<i>40</i>	162	22027	162	-58.9	-47.1	-69.1			89	124	3.4	9.4	195.59	2.78	1989	1980
<i>30</i>	108	23825	108	-54.8	-45.3	-64.0			42	113	4.5	11.9	191.82	3.36	1988	1976
<i>25</i>	65	25003	65	-53.1	-44.3	-61.1			20	092	7.5	13.5	194.61	2.20	1990	1988
<i>20</i>	39	26402	39	-51.7	-43.7	-59.7			12	091	8.5	13.6	324.83	3.36	1990	1988
<i>15</i>	9	28239	9	-50.3	-44.1	-58.3			1	240	6.0	6.0			1983	1984
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

453 566 486

262 095 1692 -82.0

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

FEBRUARY 1975-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	452	1007	452	23.1	26.0	19.6	452	21.2	451	021	1.6	2.2	1.37	0.74	1977	1989
1000	428	95	427	23.1	26.2	20.0	427	20.8	424	016	2.9	3.8	11.54	0.73	1988	1976
950	428	535	427	22.3	30.2	16.4	427	16.6	424	011	2.7	4.2	15.77	0.88	1988	1980
900	428	1012	428	20.6	28.8	12.0	421	10.5	424	030	1.6	4.3	10.93	0.90	1988	1986
850	428	1504	428	17.9	26.6	9.0	413	7.0	424	095	1.8	4.7	10.82	0.99	1988	1975
800	428	2021	428	14.6	22.0	8.2	398	3.8	424	109	3.2	5.2	10.60	1.04	1988	1980
750	428	2559	428	11.0	19.0	4.6	369	-0.3	424	110	3.2	5.3	12.61	1.26	1984	1989
700	428	3135	428	8.1	15.0	0.8	295	-5.7	423	093	1.9	5.1	12.39	1.32	1984	1982
650	425	3744	425	5.4	12.2	-4.0	203	-11.0	419	030	1.0	5.3	13.06	1.23	1990	1977
600	423	4394	423	2.1	9.2	-6.3	125	-15.0	414	320	1.1	6.3	13.73	1.13	1984	1985
550	422	5090	421	-1.9	5.0	-9.0	85	-19.9	410	305	1.9	7.0	16.27	1.13	1984	1978
500	421	5643	420	-6.3	1.0	-13.1	72	-23.9	410	298	3.0	7.6	17.50	1.28	1984	1979
450	415	6657	414	-11.1	-1.1	-19.0	53	-28.2	401	289	3.8	8.9	21.16	1.40	1990	1976
400	411	7557	411	-16.7	-7.1	-28.0	40	-34.5	395	292	5.7	10.8	24.29	1.63	1990	1976
350	405	8544	405	-23.3	-14.1	-33.0	34	-40.5	385	284	8.2	12.5	36.37	1.79	1990	1976
300	400	9663	400	-31.5	-21.1	-41.0	28	-46.9	380	273	9.9	13.8	38.66	1.37	1990	1978
250	386	10927	388	-41.7	-32.5	-51.0	10	-53.6	360	255	10.7	14.7	48.09	2.00	1983	1978
200	375	12402	373	-53.8	-43.1	-62.9			338	267	10.5	15.2	61.35	2.26	1990	1989
175	347	13249	347	-60.7	-43.1	-70.5			309	267	9.8	15.0	72.44	2.29	1990	1979
150	328	14194	328	-67.8	-56.5	-77.5			289	269	8.9	13.8	83.18	2.25	1990	1989
125	302	15269	301	-74.3	-60.0	-86.1			260	268	6.5	11.9	93.60	2.16	1978	1986
100	269	16552	268	-79.4	-70.0	-90.1			229	279	2.8	9.6	102.12	1.82	1978	1986
80	224	17827	223	-78.1	-61.0	-90.1			177	289	0.6	7.8	114.53	2.40	1978	1980
70	208	18611	208	-74.8	-61.3	-86.3			157	302	1.7	6.7	117.86	2.61	1988	1979
60	183	19518	183	-70.2	-56.3	-84.1			138	296	2.1	6.2	131.17	3.09	1983	1979
50	159	20626	159	-64.9	-50.7	-80.1			113	284	1.7	7.5	152.14	2.58	1985	1984
40	120	22021	120	-60.0	-50.0	-78.5			72	162	0.6	8.4	192.02	3.82	1977	1984
30	78	23832	78	-55.4	-45.1	-74.1			39	073	1.3	8.8	222.75	2.99	1981	1984
25	55	25019	55	-53.0	-42.1	-67.9			26	102	2.6	10.2	187.79	1.73	1985	1984
20	28	26422	28	-51.6	-44.1	-61.1			8	024	2.9	10.3	282.72	2.40	1985	1984
15	5	28456	5	-49.1	-42.9	-55.3			1	179	4.0	4.0			1990	1987
10	1	30742	1	-49.5	-49.5	-49.5									1987	1987
7	1	33089	1	-44.9	-44.9	-44.9									1987	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

422 574 475

246 095 1691 -81.8

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

MARCH 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	494	1007	494	24.8	30.0	21.0	494	22.6	493	011	1.0	1.4	1.00	0.64	1986	1978
1000	465	88	465	24.6	29.0	20.0	461	22.3	452	007	2.1	3.2	6.79	0.57	1986	1975
950	465	531	465	23.3	31.0	15.8	461	18.4	451	001	2.1	3.6	13.99	0.57	1990	1983
900	465	1009	465	22.0	28.8	14.4	459	11.3	451	360	1.6	4.4	7.16	0.57	1983	1990
850	465	1504	465	19.9	26.8	12.2	455	7.1	451	044	1.2	5.0	6.88	0.74	1983	1983
800	464	2023	464	16.5	23.8	7.0	450	4.4	450	097	2.6	5.4	7.25	0.93	1988	1975
750	464	2565	464	12.5	20.6	5.2	443	1.6	450	099	4.5	6.3	10.10	1.11	1988	1982
700	464	3143	464	8.3	17.2	1.8	423	-2.5	447	091	5.1	6.8	10.08	1.30	1988	1982
650	457	3751	457	4.9	15.2	-1.7	323	-7.6	441	088	4.3	6.7	12.09	1.41	1983	1987
600	453	4401	453	2.0	10.8	-4.7	204	-12.4	435	082	2.2	6.4	14.73	1.34	1983	1982
550	445	5098	444	-1.8	6.2	-8.0	128	-17.4	431	048	0.9	6.4	17.89	1.36	1990	1976
500	440	5851	439	-6.1	1.8	-13.0	85	-21.6	424	345	0.9	6.9	20.23	1.40	1990	1976
450	434	6668	433	-11.0	-3.1	-22.0	67	-26.2	417	307	2.5	7.8	24.08	1.63	1990	1976
400	429	7565	429	-16.6	-7.9	-25.0	57	-31.4	411	289	4.8	9.4	29.31	1.64	1990	1977
350	422	8553	422	-23.2	-15.5	-30.7	45	-36.7	400	279	7.5	11.3	40.19	1.54	1990	1989
300	414	9672	414	-31.2	-23.7	-39.9	35	-44.2	391	272	9.3	13.3	40.50	1.65	1990	1989
250	401	10939	401	-41.1	-32.5	-50.1	4	-52.2	379	268	10.4	14.5	48.08	1.73	1990	1989
200	375	12417	375	-53.2	-46.3	-61.7			357	267	10.9	15.2	59.18	1.84	1990	1989
175	362	13269	362	-59.9	-52.7	-69.1			337	268	10.8	15.1	64.48	1.85	1985	1989
150	344	14215	344	-66.9	-58.1	-79.7			319	267	9.4	14.2	71.47	2.04	1983	1987
125	326	15302	326	-73.9	-64.1	-85.1			296	269	6.0	12.2	79.26	2.40	1985	1986
100	305	16585	304	-79.6	-70.1	-88.9			271	284	2.5	9.8	86.94	1.99	1985	1986
80	262	17857	262	-78.6	-65.1	-87.5			218	269	0.5	7.8	91.57	1.92	1990	1983
70	245	18633	245	-75.0	-57.5	-88.1			202	275	0.4	7.6	97.83	2.18	1990	1987
60	224	19535	224	-70.2	-48.5	-79.5			174	289	1.0	7.5	99.69	2.34	1990	1988
50	191	20640	191	-64.8	-51.1	-75.0			141	266	1.8	8.8	109.81	1.88	1983	1977
40	150	22025	150	-59.2	-45.9	-69.1			101	280	1.4	9.8	117.82	2.64	1986	1984
30	97	23844	97	-53.7	-42.1	-61.1			56	089	2.2	11.0	119.65	4.32	1983	1982
25	70	25023	70	-51.1	-42.9	-58.9			41	092	6.8	11.9	139.46	2.68	1990	1984
20	41	26480	41	-48.2	-41.7	-56.9			21	098	8.5	13.3	194.26	3.69	1981	1984
15	14	28267	14	-47.3	-42.5	-53.1			3	089	11.3	14.3			1989	1984
10	6	30912	6	-46.3	-40.9	-49.9									1987	1983
7	1	33199	1	-45.5	-45.5	-45.5									1989	1989

FREEZING LEVEL

N	P	ALT
447	576	474

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
287	094	1695	-81.9

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

APRIL 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	479	1005	479	26.3	29.2	21.8	479	23.3	478	001	0.7	1.4	0.75	0.44	1979	1985
<i>1000</i>	457	76	457	26.1	29.0	22.0	457	23.2	440	356	1.5	3.0	6.80	0.43	1988	1985
<i>950</i>	457	520	456	24.2	30.6	15.0	456	20.6	440	337	2.0	3.4	15.49	0.75	1982	1990
<i>900</i>	457	999	457	22.0	30.2	12.0	457	15.7	440	327	1.9	3.9	6.97	0.71	1982	1990
<i>850</i>	457	1495	457	20.7	29.0	10.2	452	10.2	440	343	1.7	4.4	7.34	0.98	1982	1990
<i>800</i>	457	2017	457	18.1	25.4	11.8	448	7.3	440	048	1.9	4.7	8.29	1.05	1990	1990
<i>750</i>	457	2561	457	14.2	23.6	7.6	450	4.5	438	086	4.0	5.4	10.77	1.20	1990	1980
<i>700</i>	457	3144	457	9.8	20.8	3.2	451	0.9	438	085	5.8	6.8	10.67	1.32	1990	1979
<i>650</i>	433	3754	452	5.5	16.2	-1.0	424	-3.8	427	081	6.1	7.4	12.04	1.40	1990	1978
<i>600</i>	449	4406	447	1.9	11.8	-4.9	350	-9.7	421	081	4.8	6.8	15.37	1.57	1990	1984
<i>550</i>	444	5102	442	-1.5	11.4	-8.1	241	-14.9	418	078	3.1	5.9	18.12	1.68	1983	1987
<i>500</i>	441	5856	439	-5.6	3.4	-12.7	165	-19.7	416	070	1.7	5.8	23.01	1.71	1990	1980
<i>450</i>	438	6674	436	-10.4	8.2	-16.5	131	-24.1	411	049	0.9	6.7	26.99	1.62	1980	1979
<i>400</i>	434	7573	432	-16.2	-8.5	-28.9	104	-28.8	406	320	1.5	7.9	33.28	1.76	1990	1983
<i>350</i>	427	8563	426	-22.9	-13.1	-30.1	81	-34.3	394	292	3.1	9.3	44.48	1.83	1983	1979
<i>300</i>	423	9681	423	-30.9	-22.1	-39.1	57	-41.6	389	277	5.4	10.7	47.86	1.87	1990	1982
<i>250</i>	415	10950	415	-40.8	-30.1	-49.9	13	-49.5	380	264	7.5	12.4	56.94	2.05	1988	1982
<i>200</i>	401	12433	401	-52.8	-40.3	-62.9	2	-57.5	365	250	8.8	13.1	69.18	2.16	1990	1982
<i>175</i>	377	13283	377	-59.6	-51.3	-69.5			353	248	8.7	12.9	74.98	2.17	1990	1987
<i>150</i>	363	14230	363	-66.8	-57.7	-77.1			316	249	7.4	11.6	83.22	2.10	1990	1982
<i>125</i>	341	15313	341	-74.0	-63.5	-84.9			289	251	4.6	10.1	93.67	2.11	1988	1981
<i>100</i>	312	16596	311	-79.9	-71.9	-90.0			266	120	1.4	8.2	106.12	1.99	1989	1978
<i>80</i>	267	17871	265	-78.4	-65.5	-89.0			220	102	4.3	8.3	119.23	2.09	1989	1978
<i>70</i>	249	18645	249	-74.5	-58.7	-86.9			203	104	4.1	7.5	127.27	2.59	1990	1981
<i>60</i>	234	19550	234	-69.0	-52.7	-82.0			186	123	2.7	7.1	133.37	2.80	1990	1978
<i>50</i>	212	20660	211	-62.8	-46.3	-74.1			167	138	1.9	7.9	146.45	2.60	1989	1984
<i>40</i>	186	22056	186	-56.9	-41.1	-69.3			130	108	2.6	9.2	154.73	2.54	1985	1984
<i>30</i>	134	23902	134	-52.0	-39.1	-65.1			86	097	8.4	12.0	169.42	2.42	1990	1982
<i>25</i>	90	25126	90	-49.4	-38.1	-58.5			56	099	9.6	13.4	219.78	2.68	1990	1984
<i>20</i>	54	26555	54	-46.9	-39.3	-58.1			32	097	11.2	13.9	170.89	2.27	1981	1984
<i>15</i>	19	28464	19	-44.9	-35.7	-54.9			3	086	10.7	10.7			1987	1984
<i>10</i>	4	31093	4	-45.2	-40.7	-49.5									1989	1984
<i>7</i>	2	33246	2	-45.6	-45.1	-46.1									1984	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

445 573 477

282 094 1697 -81.8

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

MAY 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	496	1004	496	26.5	30.2	22.8	496	23.9	493	331	0.9	1.9	0.71	0.54	1987	1980
<i>1000</i>	458	66	452	26.4	29.8	22.6	451	23.6	447	332	2.1	3.7	7.34	0.58	1983	1984
<i>950</i>	457	512	457	24.3	32.0	18.8	456	21.3	451	322	3.0	4.5	9.73	0.85	1982	1979
<i>900</i>	457	990	457	21.7	33.2	15.2	456	18.1	451	312	3.7	5.1	6.52	0.99	1982	1979
<i>850</i>	457	1485	457	19.7	30.0	13.0	455	13.3	451	311	3.2	5.1	7.03	0.98	1978	1979
<i>800</i>	457	2006	457	17.7	29.0	10.8	454	8.8	451	332	1.7	5.2	8.47	1.02	1978	1979
<i>750</i>	457	2551	457	14.5	22.6	8.2	452	5.6	450	050	1.8	5.5	10.12	1.04	1982	1981
<i>700</i>	457	3134	457	10.5	18.0	3.2	449	1.8	451	077	3.6	6.6	10.53	1.19	1978	1979
<i>650</i>	453	3745	452	6.3	14.0	0.0	433	-2.0	445	077	4.9	7.3	11.34	1.20	1977	1981
<i>600</i>	451	4398	448	2.2	9.6	-4.1	409	-6.4	441	078	4.8	7.4	13.02	1.21	1982	1981
<i>550</i>	447	5095	445	-1.5	6.0	-8.0	351	-10.5	432	078	3.9	6.6	15.76	1.25	1982	1978
<i>500</i>	443	5851	440	-5.2	2.0	-11.9	284	-15.3	429	072	2.8	6.4	18.07	1.15	1990	1982
<i>450</i>	435	6669	433	-9.5	7.6	-17.1	224	-19.7	419	066	2.3	6.8	20.75	1.23	1982	1982
<i>400</i>	430	7575	429	-15.0	-5.7	-23.1	186	-24.8	414	046	1.4	7.0	24.84	1.32	1990	1982
<i>350</i>	424	8571	423	-21.6	-11.9	-27.9	161	-30.9	404	030	0.5	7.0	30.22	1.34	1990	1981
<i>300</i>	418	9695	417	-29.5	-20.3	-35.9	135	-38.1	397	235	0.3	7.0	34.93	1.40	1989	1981
<i>250</i>	411	10970	411	-39.6	-30.7	-47.7	52	-46.9	389	200	1.6	7.5	41.70	1.60	1988	1981
<i>200</i>	397	12458	397	-52.0	-41.7	-61.7			372	176	3.5	9.0	54.81	1.86	1989	1981
<i>175</i>	384	13309	384	-59.3	-47.5	-69.1			347	163	4.4	9.7	62.94	1.96	1989	1981
<i>150</i>	371	14258	370	-67.0	-54.7	-76.9			337	149	5.9	11.0	73.05	1.97	1989	1982
<i>125</i>	340	15339	339	-74.6	-58.5	-86.1			307	126	8.4	12.3	84.75	2.23	1989	1986
<i>100</i>	304	16617	303	-80.7	-68.9	-92.0			273	110	11.4	13.4	97.35	2.03	1989	1978
<i>80</i>	257	17892	256	-78.5	-62.7	-92.0			222	101	10.4	11.7	107.00	2.27	1982	1978
<i>70</i>	237	18675	237	-74.0	-57.1	-87.0			199	108	8.4	10.3	107.09	2.18	1982	1978
<i>60</i>	211	19590	211	-67.5	-51.7	-87.0			165	104	6.4	8.8	117.17	1.89	1982	1978
<i>50</i>	185	20706	184	-61.6	-49.1	-73.9			149	101	7.0	9.4	127.86	1.83	1989	1988
<i>40</i>	147	22115	147	-57.2	-44.5	-68.5			102	098	9.8	11.5	163.21	2.08	1989	1980
<i>30</i>	108	23995	108	-52.2	-44.1	-62.5			65	102	12.0	13.8	142.95	1.45	1989	1988
<i>25</i>	80	25177	80	-49.6	-41.3	-59.7			44	097	14.6	15.9	156.06	2.18	1987	1983
<i>20</i>	53	26642	53	-46.7	-38.3	-61.5			20	094	12.4	14.3	198.32	2.64	1984	1983
<i>15</i>	21	28475	21	-45.4	-38.3	-59.9			2	096	17.8	18.0	238.91	3.57	1984	1983
<i>10</i>	6	31115	6	-42.9	-41.1	-48.5									1982	1988
<i>7</i>	3	33493	3	-41.0	-36.1	-47.1									1985	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

447 570 482

277 095 1693 -82.5

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

JUNE 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	480	1003	480	25.0	30.0	22.0	480	23.7	480	249	2.1	3.7	0.71	0.62	1983	1975
1000	424	61	420	24.8	29.2	17.8	419	23.3	388	251	3.4	5.8	5.48	0.55	1983	1983
950	424	505	424	22.8	30.0	17.4	423	20.9	392	261	5.5	7.6	10.64	0.76	1988	1982
900	424	980	424	20.1	27.4	13.2	423	18.1	392	277	8.4	9.7	6.26	0.89	1988	1986
850	424	1473	424	17.4	24.2	8.0	423	14.9	392	281	9.2	10.5	7.15	1.06	1988	1976
800	424	1990	423	14.6	22.4	7.6	422	11.2	391	282	9.2	10.4	6.44	1.11	1988	1986
750	424	2530	423	11.9	20.4	4.0	420	7.6	390	280	8.6	10.2	10.35	1.09	1988	1986
700	424	3109	424	9.0	16.6	-0.5	422	3.2	392	278	7.7	9.9	11.98	1.08	1988	1986
650	411	3720	411	5.9	12.8	-6.3	404	-0.7	373	278	6.8	9.4	14.03	1.22	1988	1982
600	405	4374	405	2.5	9.2	-7.7	389	-4.1	364	281	5.9	8.8	16.96	1.30	1988	1986
550	396	5071	396	-1.1	6.6	-11.5	370	-7.7	358	275	5.0	8.0	19.72	1.35	1988	1986
500	386	5829	386	-5.0	2.4	-15.5	347	-11.9	348	271	4.0	7.2	22.92	1.43	1988	1986
450	380	6650	379	-9.5	-1.1	-20.1	335	-16.8	342	259	2.5	6.4	26.33	1.43	1988	1986
400	374	7556	373	-14.8	-5.9	-23.3	311	-21.9	335	222	0.5	5.5	30.89	1.60	1990	1986
350	361	8555	360	-21.2	-10.9	-28.9	279	-28.6	321	112	1.9	5.7	36.30	1.64	1990	1990
300	358	9680	358	-29.2	-20.1	-37.9	228	-36.7	317	097	4.8	6.8	43.23	1.83	1990	1990
250	351	10961	351	-35.1	-29.0	-49.0	87	-45.3	308	093	8.5	10.1	52.66	2.01	1976	1977
200	342	12452	342	-51.7	-41.9	-63.0	1	-54.0	295	096	14.4	15.7	65.13	2.35	1988	1977
175	323	13310	322	-58.8	-48.1	-71.1			273	096	18.7	19.8	71.09	2.44	1988	1981
150	306	14259	306	-66.9	-55.3	-79.5			257	097	23.7	24.7	81.01	2.59	1988	1986
125	285	15339	284	-75.0	-63.5	-89.3			229	098	28.7	29.5	94.66	3.02	1990	1986
100	248	16623	247	-79.9	-68.7	-90.1			202	100	29.0	29.7	112.89	3.11	1990	1987
80	204	17910	204	-75.9	-59.1	-90.1			156	101	21.4	22.3	123.43	3.48	1989	1987
70	180	18699	179	-71.1	-53.9	-85.3			131	101	16.9	17.8	131.29	3.08	1989	1985
60	151	19614	151	-66.2	-49.1	-79.1			103	097	13.6	14.9	142.79	3.05	1989	1987
50	124	20729	124	-62.0	-45.1	-74.7			88	098	13.2	14.3	163.79	2.09	1990	1987
40	106	22137	106	-57.4	-44.1	-72.0			66	097	14.0	14.8	156.67	2.44	1985	1977
30	71	23957	71	-52.8	-42.5	-62.5			38	098	14.6	15.2	164.88	2.54	1981	1986
25	52	25130	52	-50.5	-39.5	-60.9			23	100	17.5	18.3	174.40	2.27	1979	1986
20	21	26569	21	-50.0	-42.3	-59.1			6	106	17.2	17.3	230.64	3.91	1981	1986
15	11	28426	11	-48.6	-45.1	-53.1									1990	1984
10	3	30891	3	-45.1	-45.9	-45.5									1983	1987
7	1	33194	1	-43.9	-43.9	-43.9									1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
398	565	485					236	099	1673	-82.2

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

JULY 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	496	1004	496	24.8	28.0	22.0	496	23.5	496	269	3.1	4.0	0.83	0.61	1987	1976
<i>1000</i>	440	68	439	24.7	28.0	21.6	439	23.3	403	274	5.0	6.4	7.59	0.59	1983	1985
<i>950</i>	440	510	440	22.7	28.6	17.2	440	20.9	403	282	7.4	8.4	11.66	0.59	1988	1980
<i>900</i>	440	987	440	20.0	26.2	14.8	440	18.1	404	290	10.0	10.7	7.31	0.59	1989	1980
<i>850</i>	440	1479	440	17.2	24.2	11.0	440	15.0	405	293	10.6	11.1	7.95	0.76	1989	1987
<i>800</i>	440	1995	440	14.3	21.6	8.8	439	11.7	404	293	10.2	10.7	8.67	0.90	1988	1987
<i>750</i>	440	2534	440	11.6	19.6	6.0	439	7.8	404	293	9.7	10.3	11.04	0.93	1988	1987
<i>700</i>	440	3114	440	8.9	17.0	3.2	436	3.4	404	291	9.0	9.8	10.33	0.90	1988	1982
<i>650</i>	431	3723	431	5.8	14.4	-3.3	425	-0.1	396	291	7.7	8.8	11.63	0.98	1988	1986
<i>600</i>	423	4377	423	2.5	12.2	-3.1	416	-3.6	386	290	6.3	7.8	13.39	1.12	1988	1985
<i>550</i>	412	5075	412	-1.0	7.8	-6.1	396	-7.1	378	286	4.6	6.8	16.79	1.21	1988	1986
<i>500</i>	407	5834	405	-4.9	2.8	-11.0	378	-11.1	374	281	3.3	6.2	18.80	1.23	1988	1977
<i>450</i>	394	6654	393	-9.4	-0.3	-15.0	360	-16.1	359	275	1.6	5.7	22.19	1.36	1988	1977
<i>400</i>	386	7561	386	-14.9	-5.9	-21.1	339	-21.9	352	094	0.8	5.7	28.02	1.44	1988	1980
<i>350</i>	372	8558	372	-21.6	-12.1	-28.5	310	-29.0	338	095	3.4	6.3	35.89	1.60	1988	1986
<i>300</i>	365	9683	365	-29.6	-20.9	-37.5	265	-37.0	330	096	7.0	8.8	40.09	1.78	1988	1986
<i>250</i>	350	10958	350	-39.9	-29.3	-48.1	99	-45.6	314	098	12.0	13.0	49.64	2.03	1985	1981
<i>200</i>	338	12444	338	-52.5	-39.1	-66.0	2	-50.5	294	097	20.4	21.1	61.06	2.30	1985	1977
<i>175</i>	320	13297	320	-59.6	-45.5	-70.0	1	-59.0	268	095	26.1	27.0	69.60	2.35	1985	1977
<i>150</i>	304	14245	303	-67.3	-53.3	-80.1			249	095	32.6	33.2	77.82	2.45	1985	1986
<i>125</i>	275	15321	274	-75.0	-62.5	-88.5			218	096	36.7	37.3	91.64	2.71	1985	1986
<i>100</i>	241	16604	241	-77.5	-66.5	-90.1			186	101	35.1	35.8	102.36	3.23	1989	1987
<i>80</i>	195	17907	195	-71.9	-59.5	-86.5			137	099	24.7	25.4	115.98	3.19	1989	1987
<i>70</i>	176	18699	176	-68.1	-53.7	-85.1			118	100	21.3	22.0	130.07	2.89	1985	1987
<i>60</i>	146	19635	146	-64.4	-49.7	-76.1			83	095	19.4	20.1	135.23	2.36	1990	1987
<i>50</i>	122	20764	122	-59.9	-47.5	-71.1			60	097	18.8	19.6	143.63	2.28	1986	1981
<i>40</i>	88	22175	88	-56.4	-45.5	-66.3			30	093	18.6	19.2	125.30	2.79	1987	1985
<i>30</i>	58	24008	58	-52.5	-43.3	-62.7			17	099	16.5	18.0	120.59	2.45	1987	1985
<i>25</i>	38	25166	38	-51.0	-44.9	-60.5			10	101	18.7	19.0	138.05	2.06	1983	1982
<i>20</i>	23	26528	23	-49.6	-42.1	-55.5			4	097	12.0	12.8	187.16	2.46	1987	1982
<i>15</i>	11	28370	11	-48.8	-42.1	-53.9									1983	1981
<i>10</i>	3	31065	3	-47.8	-43.1	-51.1									1987	1982
<i>7</i>	1	33521	1	-41.1	-41.1	-41.1									1987	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

419 564 488

238 106 1632 -80.2

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

AUGUST 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	496	1005	495	24.4	27.6	22.0	495	23.4	495	276	2.6	3.3	0.87	0.33	1988	1975
1000	453	72	453	24.2	27.4	22.0	452	23.2	417	282	4.2	5.4	6.60	0.32	1988	1975
950	453	514	453	22.3	28.0	17.8	452	20.8	416	291	7.2	8.1	13.47	0.66	1980	1986
900	453	989	453	19.6	25.8	12.2	452	18.0	416	298	9.9	10.5	7.08	0.88	1980	1986
850	453	1481	453	16.9	24.0	10.2	452	15.1	416	298	10.3	10.8	7.99	1.06	1987	1982
800	452	1998	452	14.2	23.0	8.2	450	12.0	415	298	10.2	10.7	9.17	1.08	1983	1985
750	452	2536	452	11.7	20.4	6.8	449	8.3	415	297	9.6	10.2	12.67	1.08	1983	1979
700	452	3116	452	8.9	16.8	3.0	448	3.8	415	295	9.1	9.7	12.11	1.15	1983	1977
650	444	3726	443	5.8	14.4	-0.7	436	-0.2	399	295	7.9	8.8	13.82	1.20	1983	1986
600	432	4378	431	2.5	10.8	-3.9	417	-3.6	388	294	6.7	7.8	17.27	1.27	1987	1981
550	421	5076	420	-1.0	6.2	-9.0	400	-7.5	375	291	5.1	6.8	21.79	1.33	1989	1976
500	414	5835	413	-4.9	1.4	-11.0	382	-12.0	365	288	3.6	5.9	23.43	1.45	1990	1977
450	404	6655	404	-9.3	-2.5	-17.0	357	-16.9	350	286	1.8	5.4	29.05	1.66	1987	1977
400	387	7564	387	-14.6	-7.1	-23.0	318	-22.2	333	091	0.7	5.1	33.31	1.79	1987	1977
350	377	8562	377	-21.2	-12.1	-29.0	290	-29.2	324	094	3.3	5.9	40.91	1.89	1987	1977
300	366	9691	366	-29.3	-20.9	-37.7	240	-37.4	314	101	6.2	7.9	48.49	1.98	1990	1985
250	349	10968	348	-39.4	-29.5	-47.3	84	-45.2	297	101	11.9	13.0	60.76	2.20	1984	1985
200	326	12458	325	-51.9	-41.9	-63.5	1	-55.0	272	098	20.3	21.1	75.71	2.61	1984	1985
175	302	13308	302	-59.2	-48.1	-73.9			247	097	25.7	26.2	86.06	2.77	1984	1985
150	286	14259	286	-66.9	-54.7	-82.5			231	096	31.1	31.6	92.18	2.89	1990	1985
125	261	15342	261	-74.6	-62.3	-88.5			211	095	35.2	35.8	107.72	2.73	1990	1986
100	238	16622	238	-77.1	-63.7	-89.9			186	099	31.0	31.6	116.12	2.67	1980	1986
80	193	17930	193	-70.9	-59.3	-83.9			125	098	21.4	22.0	135.70	2.87	1989	1980
70	172	18730	172	-67.0	-55.1	-76.5			107	100	19.5	20.1	146.81	2.91	1990	1980
60	153	19666	153	-63.3	-51.5	-74.0			88	098	19.3	19.8	153.31	3.38	1980	1977
50	134	20813	134	-59.4	-48.5	-68.1			68	093	18.4	19.0	118.30	3.13	1980	1979
40	112	22206	112	-55.9	-43.1	-64.1			43	099	20.4	21.3	119.94	1.90	1981	1980
30	66	24072	65	-51.8	-43.3	-58.3			17	091	19.9	20.7	169.71	2.85	1985	1979
25	45	25237	45	-50.0	-41.1	-55.1			8	104	11.0	11.9	143.72	1.98	1985	1988
20	26	26725	26	-47.3	-37.1	-53.5			3	093	14.9	15.0	128.31	2.28	1986	1990
15	14	28642	14	-45.2	-39.5	-51.3									1980	1990
10	2	31212	2	-41.8	-40.1	-43.5									1986	1980
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

423 564 488

230 107 1628 -79.8

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

SEPTEMBER 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	480	1005	480	24.3	28.0	22.0	480	23.4	479	310	0.8	1.9	1.00	0.32	1975	1975
1000	434	77	433	24.1	27.0	21.0	432	23.1	407	315	1.6	3.7	8.32	0.36	1975	1978
950	434	520	434	22.4	29.8	17.2	433	20.8	408	312	3.2	5.3	8.97	0.71	1989	1980
900	434	995	434	19.9	27.0	14.2	433	17.7	408	309	5.0	6.6	8.40	0.83	1987	1980
850	434	1487	434	17.3	24.2	11.2	433	14.7	408	306	5.1	6.8	8.51	0.98	1987	1980
800	434	2004	434	14.7	21.4	9.0	433	10.9	408	303	4.4	6.7	8.81	1.12	1989	1980
750	434	2544	434	12.0	20.4	5.8	430	6.7	407	301	3.6	6.6	10.69	1.18	1986	1981
700	434	3123	433	9.0	17.0	2.0	428	2.7	407	301	3.0	6.1	11.28	1.31	1986	1982
650	425	3732	423	5.8	12.0	-1.0	408	-1.4	389	297	2.5	5.8	13.77	1.23	1983	1976
600	422	4386	420	2.6	10.0	-5.0	391	-4.9	379	296	1.9	5.6	15.24	1.40	1987	1977
550	415	5084	413	-0.9	7.0	-7.0	366	-8.4	369	294	1.2	5.1	19.45	1.34	1987	1977
500	411	5843	410	-5.0	2.0	-11.0	359	-12.6	365	311	0.2	4.9	22.27	1.42	1987	1977
450	401	6662	400	-9.5	9.0	-16.0	340	-17.5	354	084	1.1	5.0	26.55	1.53	1984	1977
400	395	7569	393	-14.9	-6.5	-21.0	313	-23.2	347	098	2.6	5.3	30.56	1.72	1984	1976
350	385	8564	385	-21.6	-11.3	-30.0	278	-29.9	341	104	4.6	6.1	40.52	2.02	1984	1977
300	373	9691	373	-29.7	-21.7	-38.0	220	-37.8	330	104	7.1	8.1	45.46	2.18	1985	1977
250	361	10966	361	-39.9	-31.9	-49.0	63	-46.7	317	102	10.9	11.7	55.75	2.39	1986	1977
200	335	12457	335	-52.5	-43.9	-63.1			292	103	15.7	16.5	67.48	2.47	1990	1986
175	314	13309	314	-59.8	-50.1	-74.1			272	103	19.4	20.2	76.27	2.55	1983	1986
150	293	14256	293	-67.6	-57.3	-79.5			255	102	23.8	24.5	86.23	2.40	1983	1986
125	273	15337	273	-75.0	-63.7	-85.1			227	104	26.1	26.9	100.30	2.58	1990	1980
100	245	16621	245	-77.0	-66.9	-88.7			203	105	23.4	24.0	113.70	3.05	1989	1986
80	204	17936	204	-71.5	-59.7	-84.5			155	102	15.0	15.8	127.59	2.80	1983	1982
70	181	18736	181	-67.9	-58.1	-80.1			126	101	13.9	14.9	129.93	2.62	1985	1986
60	167	19665	167	-64.2	-54.1	-74.0			105	095	12.6	13.7	137.89	2.13	1985	1978
50	148	20800	148	-60.4	-51.3	-69.7			88	095	13.4	14.7	178.69	2.34	1985	1980
40	120	22216	120	-56.5	-45.1	-66.7			44	100	16.2	17.0	167.60	2.49	1986	1980
30	83	24071	83	-52.0	-42.3	-62.3			22	097	13.7	14.5	211.76	2.93	1980	1980
25	56	25204	56	-50.8	-39.9	-62.5			8	099	17.4	17.6	235.52	3.58	1985	1980
20	34	26609	34	-49.4	-43.3	-58.9			4	087	20.4	21.0	235.08	2.26	1988	1980
15	24	28479	24	-46.5	-36.3	-54.5			2	105	32.7	33.0	262.82	2.31	1980	1980
10	9	31033	9	-45.7	-41.7	-49.1			1	119	38.0	38.0			1980	1984
7	2	33477	2	-45.7	-43.9	-47.5									1986	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

417 563 490

245 107 1625 -79.5

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

OCTOBER 1975-90

0000 UTC

LEVEL (H _{PA})	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	494	1006	494	24.5	32.0	20.0	494	23.3	494	073	0.3	1.5	0.90	0.39	1976	1975
<i>1000</i>	463	83	462	24.3	26.4	21.6	461	23.0	453	047	0.7	3.0	6.69	0.34	1990	1984
<i>950</i>	462	527	462	23.1	29.2	18.0	461	20.3	452	004	0.6	4.0	7.37	0.68	1983	1979
<i>900</i>	462	1003	462	20.8	26.4	15.0	461	16.5	453	015	1.1	4.8	7.88	0.84	1982	1975
<i>850</i>	462	1496	462	18.2	25.2	11.4	461	13.0	453	063	1.7	5.5	8.76	0.97	1987	1990
<i>800</i>	462	2014	462	15.2	23.4	8.8	459	9.7	452	079	2.4	5.9	10.07	0.99	1987	1985
<i>750</i>	462	2554	461	11.9	18.8	2.0	456	6.0	452	078	2.8	6.0	10.85	0.98	1990	1975
<i>700</i>	462	3133	461	8.7	15.2	2.6	443	1.5	452	080	2.4	5.5	12.52	0.98	1982	1980
<i>650</i>	460	3741	458	5.7	14.2	-1.1	409	-2.3	443	079	1.7	5.4	14.03	1.04	1988	1986
<i>600</i>	457	4394	456	2.6	10.6	-2.7	377	-6.3	438	078	1.3	5.1	15.20	1.16	1988	1986
<i>550</i>	451	5093	451	-0.9	6.6	-7.0	331	-9.8	433	088	1.5	5.1	17.34	1.24	1988	1977
<i>500</i>	445	5850	445	-5.0	1.2	-12.1	305	-13.9	426	092	1.8	5.1	20.40	1.38	1981	1985
<i>450</i>	440	6670	440	-9.6	-2.1	-16.5	270	-18.7	417	087	2.2	5.2	24.12	1.44	1981	1980
<i>400</i>	432	7575	432	-15.1	-8.3	-22.0	241	-24.1	411	093	2.5	5.5	28.90	1.58	1986	1976
<i>350</i>	423	8570	423	-21.8	-14.7	-31.0	200	-30.4	399	097	2.5	5.6	38.03	1.70	1986	1977
<i>300</i>	411	9694	410	-30.1	-22.9	-40.0	142	-37.8	385	110	3.2	6.3	43.31	1.98	1986	1977
<i>250</i>	402	10967	401	-40.5	-32.1	-51.0	33	-45.0	369	121	4.9	7.9	51.84	2.14	1986	1977
<i>200</i>	380	12446	380	-53.4	-44.3	-64.7			345	127	7.5	10.5	63.31	2.37	1989	1985
<i>175</i>	350	13295	350	-60.7	-51.1	-72.1			315	126	9.3	12.5	72.16	2.33	1984	1985
<i>150</i>	332	14235	332	-68.5	-57.5	-79.5			303	123	11.2	14.0	85.13	2.46	1984	1980
<i>125</i>	307	15311	307	-75.7	-63.0	-89.1			272	121	12.5	14.7	97.85	2.79	1978	1985
<i>100</i>	276	16584	276	-79.6	-68.1	-89.1			240	110	11.5	12.9	109.92	2.72	1984	1987
<i>80</i>	238	17870	238	-74.6	-62.1	-87.5			195	100	8.7	10.0	117.98	3.11	1990	1979
<i>70</i>	223	18659	223	-70.3	-59.9	-86.3			173	100	7.2	8.7	140.94	2.73	1984	1979
<i>60</i>	210	19586	210	-66.0	-54.5	-78.5			157	102	7.0	8.8	148.93	2.52	1983	1981
<i>50</i>	197	20701	197	-61.8	-48.9	-77.7			141	093	6.4	8.4	169.61	2.59	1983	1981
<i>40</i>	158	22103	157	-57.9	-46.9	-65.9			93	093	7.6	9.3	175.50	2.60	1988	1979
<i>30</i>	98	23930	98	-53.7	-41.5	-64.1			43	104	10.3	11.5	166.85	1.96	1981	1987
<i>25</i>	66	25117	66	-51.8	-43.1	-59.5			23	101	12.2	13.1	187.96	1.45	1980	1985
<i>20</i>	36	26586	36	-50.2	-43.7	-57.1			10	109	14.3	15.0	168.41	2.35	1980	1984
<i>15</i>	19	28495	19	-46.2	-39.1	-56.3			3	110	24.1	24.7			1980	1984
<i>10</i>	8	31127	8	-46.4	-40.5	-50.9									1986	1989
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
452	563	481					263	102	1649	-81.6

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

NOVEMBER 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	480	1006	480	23.8	27.0	19.8	480	22.3	480	087	1.2	2.2	0.94	0.60	1978	1988
<i>1000</i>	418	86	417	23.8	26.2	20.0	417	21.9	407	083	1.8	3.6	6.76	0.57	1988	1988
<i>950</i>	419	529	419	23.2	28.0	17.4	417	17.8	408	095	2.2	4.6	7.64	0.70	1987	1979
<i>900</i>	419	1006	419	20.8	26.6	13.8	417	13.9	409	096	2.8	5.4	7.95	0.83	1990	1990
<i>850</i>	419	1498	419	17.8	23.8	11.0	417	10.7	409	100	3.6	5.9	11.13	0.93	1987	1986
<i>800</i>	419	2015	417	14.6	22.2	7.8	409	7.4	409	101	3.8	5.8	11.93	1.09	1980	1983
<i>750</i>	419	2555	418	11.7	18.8	4.2	378	3.8	408	098	3.6	5.6	12.78	1.02	1985	1983
<i>700</i>	419	3132	419	9.1	15.6	2.2	326	0.3	407	097	3.3	5.7	13.87	1.02	1990	1983
<i>650</i>	414	3742	413	6.2	13.4	-3.9	276	-2.7	402	095	3.0	5.7	17.64	1.22	1990	1980
<i>600</i>	413	4396	411	2.9	10.4	-3.0	240	-5.4	394	094	3.2	5.9	19.96	1.34	1990	1976
<i>550</i>	406	5094	405	-0.7	7.2	-6.5	217	-9.1	388	087	3.7	6.3	22.85	1.34	1990	1981
<i>500</i>	403	5852	402	-5.0	3.8	-11.9	197	-13.3	384	086	4.2	6.8	25.56	1.38	1990	1989
<i>450</i>	390	6671	390	-9.8	-3.1	-17.0	173	-18.4	371	085	4.0	7.0	28.38	1.31	1980	1977
<i>400</i>	387	7575	387	-15.4	-8.1	-21.1	155	-24.4	368	084	3.4	7.0	34.06	1.47	1984	1986
<i>350</i>	381	8567	381	-22.2	-13.7	-30.0	123	-30.5	361	097	2.3	6.9	42.03	1.57	1986	1977
<i>300</i>	369	9692	368	-30.3	-20.7	-39.0	87	-38.2	349	147	1.7	7.1	44.97	1.80	1986	1977
<i>250</i>	356	10965	355	-40.5	-30.1	-48.3	16	-45.5	331	177	3.8	8.6	53.86	1.99	1984	1985
<i>200</i>	341	12446	341	-53.4	-42.1	-65.1			309	178	6.5	10.7	65.80	2.38	1984	1990
<i>175</i>	321	13294	321	-60.4	-49.3	-70.1			288	172	7.0	11.4	75.22	2.63	1984	1985
<i>150</i>	305	14237	305	-67.9	-56.5	-77.5			271	172	5.6	11.0	87.79	3.11	1986	1980
<i>125</i>	283	15311	283	-75.1	-60.5	-86.5			246	149	4.0	9.7	99.67	3.12	1986	1985
<i>100</i>	245	16589	245	-80.3	-70.5	-91.0			214	110	4.4	7.9	113.98	2.16	1986	1976
<i>80</i>	215	17857	215	-77.5	-67.1	-87.1			176	100	5.4	7.7	128.92	2.70	1985	1979
<i>70</i>	196	18644	196	-73.1	-62.0	-84.1			160	105	4.1	6.6	136.73	3.21	1978	1979
<i>60</i>	171	19561	171	-68.1	-57.0	-78.5			137	095	2.9	6.1	138.82	2.19	1978	1979
<i>50</i>	157	20679	157	-63.2	-51.0	-72.7			120	101	3.6	7.9	151.65	2.75	1978	1979
<i>40</i>	127	22100	127	-58.0	-47.1	-69.1			84	101	6.7	10.9	140.45	2.92	1988	1979
<i>30</i>	88	23944	88	-54.5	-45.9	-66.5			53	104	14.1	16.7	205.96	4.17	1986	1979
<i>25</i>	63	25112	63	-52.4	-43.5	-61.5			32	103	15.9	18.5	189.72	2.28	1984	1983
<i>20</i>	47	26562	47	-50.0	-43.3	-58.1			23	101	16.6	20.4	167.51	1.77	1988	1984
<i>15</i>	24	28490	24	-48.0	-38.1	-55.1			6	082	13.3	16.1	142.90	3.71	1981	1984
<i>10</i>	9	31217	9	-46.9	-38.1	-52.9			1	081	29.0	29.0			1986	1984
<i>7</i>	5	33385	5	-46.6	-43.1	-50.9									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

405 561 494

232 098 1675 -82.3

NORMALS OF RADIOSONDE DATA

43285 MANGALORE

DECEMBER 1975-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	496	1008	496	22.7	27.0	17.6	496	20.3	496	083	2.3	3.0	0.97	0.80	1978	1981
<i>1000</i>	452	98	451	22.8	26.2	18.6	451	19.8	450	088	3.8	5.0	7.65	0.78	1983	1981
<i>950</i>	452	542	452	22.9	30.4	18.2	451	15.6	451	096	4.3	5.9	7.60	0.56	1983	1988
<i>900</i>	452	1016	452	20.3	28.0	14.2	451	11.4	451	105	4.3	5.8	7.57	0.59	1990	1981
<i>850</i>	452	1508	452	17.3	25.2	11.0	442	8.0	451	112	3.8	5.3	8.04	0.72	1983	1975
<i>800</i>	452	2023	452	14.2	26.8	7.8	410	4.7	451	113	3.4	4.9	8.95	0.93	1983	1981
<i>750</i>	452	2563	452	12.0	20.4	4.6	332	0.7	451	105	2.9	4.9	10.02	1.01	1987	1986
<i>700</i>	452	3140	452	9.5	19.0	2.4	247	-3.1	451	100	2.5	4.9	11.01	0.95	1987	1980
<i>650</i>	444	3751	444	6.4	13.6	0.0	206	-7.0	442	096	2.3	5.3	12.31	1.04	1986	1976
<i>600</i>	440	4403	440	3.0	10.2	-2.9	161	-9.7	437	096	2.1	5.6	15.32	1.08	1989	1983
<i>550</i>	434	5103	433	-0.8	10.0	-8.0	133	-13.1	428	089	1.8	6.2	17.75	1.20	1976	1978
<i>500</i>	432	5859	431	-5.3	2.8	-10.7	111	-17.6	428	079	1.5	6.7	20.08	1.37	1989	1979
<i>450</i>	423	6677	422	-10.2	-1.9	-16.5	87	-22.1	417	008	0.9	7.3	23.81	1.46	1988	1980
<i>400</i>	415	7578	415	-16.1	-7.9	-22.1	70	-27.1	408	301	2.1	8.2	29.04	1.50	1989	1979
<i>350</i>	407	8568	407	-23.0	-13.9	-34.0	60	-32.7	396	283	4.1	9.5	37.87	1.69	1989	1978
<i>300</i>	402	9686	402	-31.3	-21.7	-40.0	36	-39.8	389	261	6.5	11.2	42.54	1.87	1989	1978
<i>250</i>	391	10951	390	-41.5	-31.7	-54.0	5	-47.4	374	246	9.1	13.5	51.51	1.98	1989	1978
<i>200</i>	380	12428	380	-53.9	-43.9	-71.0			363	239	10.8	15.2	63.69	2.16	1989	1975
<i>175</i>	371	13273	371	-60.9	-51.3	-71.0			329	244	11.2	15.0	70.71	2.31	1986	1978
<i>150</i>	352	14213	352	-67.9	-59.3	-79.1			308	252	11.0	14.5	80.91	2.42	1982	1985
<i>125</i>	317	15292	317	-74.4	-64.1	-90.1			265	259	8.7	12.3	97.86	2.79	1987	1985
<i>100</i>	283	16574	283	-79.7	-69.3	-89.9			233	257	4.3	9.2	114.45	2.42	1986	1980
<i>80</i>	247	17853	245	-77.8	-58.7	-89.9			187	089	1.9	6.9	126.52	2.45	1980	1983
<i>70</i>	229	18636	229	-73.7	-60.1	-86.1			172	095	2.5	6.6	131.80	2.11	1981	1984
<i>60</i>	208	19547	208	-68.2	-53.3	-82.1			149	095	2.4	6.6	137.29	2.25	1981	1984
<i>50</i>	184	20665	184	-62.7	-50.1	-76.9			131	101	3.2	7.8	156.32	2.19	1980	1984
<i>40</i>	147	22054	147	-58.2	-46.9	-75.3			91	100	5.7	10.6	192.83	3.20	1980	1984
<i>30</i>	99	23927	99	-53.3	-44.0	-64.1			53	107	5.2	13.8	178.10	2.42	1977	1984
<i>25</i>	66	25108	66	-51.7	-43.7	-59.5			28	101	6.4	16.0	231.18	3.06	1989	1985
<i>20</i>	42	26615	42	-48.9	-41.1	-56.9			16	084	6.4	18.0	299.67	3.76	1986	1987
<i>15</i>	22	28565	22	-45.4	-37.1	-53.5			6	086	16.9	18.3	410.52	4.55	1986	1987
<i>10</i>	9	31228	9	-43.9	-38.1	-49.3			1	067	26.0	26.0			1986	1987
<i>7</i>	3	33701	3	-41.0	-38.3	-43.9									1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
438	560	496					267	095	1691	-81.7

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

JANUARY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	217	1013	217	20.5	24.4	17.4	217	19.1	217	071	1.9	2.6	1.00	0.73	1984	1987
1000	202	117	202	20.7	25.0	17.2	200	18.8	202	071	2.9	4.0	9.43	0.52	1990	1986
950	202	549	202	19.9	25.6	10.0	201	15.7	202	089	3.8	4.9	14.34	0.60	1987	1986
900	202	1027	202	17.3	25.2	5.8	195	10.2	202	083	3.8	5.2	9.78	0.75	1990	1986
850	202	1513	202	14.8	22.4	5.8	186	4.3	202	069	3.6	5.3	9.87	0.61	1990	1988
800	202	2024	202	12.7	20.4	3.2	134	0.9	202	054	3.1	5.5	10.40	0.71	1989	1988
750	202	2564	202	10.9	18.2	4.0	89	-3.4	202	038	2.3	5.5	10.93	1.04	1988	1984
700	202	3137	202	8.7	14.6	1.6	65	-5.6	201	005	1.5	5.8	11.53	1.11	1990	1990
650	200	3744	200	5.9	11.8	-3.1	47	-8.4	198	336	1.5	6.3	11.88	0.91	1989	1984
600	200	4397	200	2.7	8.8	-3.7	38	-10.0	197	306	2.4	7.2	13.26	0.79	1989	1990
550	198	5100	198	-1.2	4.6	-8.1	32	-12.0	195	287	3.0	7.4	17.50	0.63	1989	1983
500	198	5851	198	-5.6	0.8	-14.1	34	-16.3	196	285	4.0	7.8	15.74	0.80	1987	1983
450	196	6670	196	-10.5	-4.3	-19.7	27	-21.2	189	277	6.1	10.2	18.52	0.78	1988	1989
400	194	7569	194	-15.8	-8.7	-26.1	20	-27.4	187	279	7.4	10.9	16.66	1.07	1989	1983
350	192	8561	192	-22.4	-15.5	-31.9	13	-33.6	176	276	9.4	12.7	20.84	1.30	1989	1983
300	185	9681	185	-30.2	-22.9	-40.7	5	-40.2	169	267	10.1	13.0	25.12	1.11	1987	1983
250	167	10960	167	-39.6	-27.9	-47.7	1	-46.1	145	256	11.3	14.2	27.99	1.40	1987	1983
200	144	12451	144	-51.3	-42.3	-60.3			121	245	12.4	16.6	35.07	1.73	1990	1983
175	114	13318	114	-57.5	-48.9	-69.5			91	240	12.9	16.5	34.43	1.65	1990	1987
150	92	14276	92	-64.1	-53.3	-82.9			71	232	11.0	16.2	39.27	1.82	1990	1987
125	62	15391	62	-70.0	-60.5	-81.5			45	226	9.2	14.7	63.19	3.42	1990	1988
100	55	16700	55	-75.2	-65.1	-87.5			35	213	3.4	10.9	67.86	2.67	1990	1988
80	45	18001	45	-73.8	-64.5	-86.7			23	109	2.2	8.1	81.59	1.38	1990	1988
70	43	18811	43	-70.2	-59.5	-81.5			23	064	1.2	8.0	79.29	2.13	1990	1988
60	41	19740	41	-65.3	-56.1	-75.7			18	164	1.7	6.6	73.94	2.27	1988	1988
50	41	20861	41	-59.5	-48.7	-69.9			18	180	1.2	7.2	68.20	3.28	1988	1988
40	35	22276	35	-54.3	-43.1	-63.9			11	012	3.1	9.5	63.84	1.93	1988	1988
30	32	24127	32	-49.5	-35.3	-59.9			9	104	1.1	10.6	36.25	3.50	1988	1990
25	29	25275	29	-48.0	-36.3	-64.5			6	195	1.3	11.5	46.28	3.52	1988	1990
20	28	26774	28	-45.2	-34.1	-52.7			7	251	3.0	9.8	99.08	2.60	1988	1990
15	23	28704	23	-42.7	-35.5	-48.1			4	260	4.9	8.5	124.14	0.79	1990	1990
10	15	31512	14	-39.0	-33.1	-45.1			2	336	3.5	11.0			1990	1990
7	7	33960	7	-37.5	-33.5	-43.1			1	242	9.0	9.0			1990	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

199 565 489

47 093 1707 -77.6

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

FEBRUARY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	212	1011	212	21.9	26.0	17.6	212	20.3	212	115	1.2	2.1	1.66	1.15	1988	1987
<i>1000</i>	204	103	204	22.0	26.8	12.0	204	20.1	204	128	1.9	3.5	13.14	1.17	1988	1987
<i>950</i>	204	538	204	21.4	27.2	15.6	202	15.9	204	136	2.9	4.4	13.85	0.87	1988	1986
<i>900</i>	204	1017	204	19.4	26.0	12.2	197	10.3	204	134	2.8	4.8	12.08	0.99	1988	1988
<i>850</i>	204	1507	204	17.0	24.8	11.2	193	5.8	204	097	1.8	4.9	12.24	1.14	1988	1986
<i>800</i>	204	2023	204	14.0	24.6	2.0	178	2.0	204	039	1.4	5.4	12.35	1.14	1988	1989
<i>750</i>	204	2564	204	11.2	21.4	4.0	157	-1.2	204	338	1.8	5.7	13.37	0.86	1990	1988
<i>700</i>	204	3137	204	8.2	17.8	2.2	123	-5.1	204	304	2.6	6.1	11.61	0.98	1990	1990
<i>650</i>	203	3745	203	5.2	13.8	-4.9	94	-8.8	203	292	3.3	6.6	10.44	1.22	1990	1988
<i>600</i>	203	4396	203	2.0	11.6	-6.3	71	-11.7	202	277	4.2	7.4	10.66	1.06	1986	1987
<i>550</i>	201	5100	201	-1.7	6.0	-8.9	50	-15.0	200	275	6.1	9.2	16.01	0.94	1989	1987
<i>500</i>	201	5846	201	-6.0	2.0	-12.9	39	-17.9	200	275	7.6	10.4	10.71	0.84	1988	1983
<i>450</i>	198	6665	198	-10.8	-2.5	-18.3	31	-21.7	193	274	8.9	12.0	14.65	0.84	1988	1983
<i>400</i>	195	7564	195	-16.3	-7.7	-24.1	24	-26.6	188	274	11.7	14.4	16.19	0.54	1988	1983
<i>350</i>	187	8558	187	-22.5	-13.9	-30.3	17	-32.7	172	271	13.4	16.2	21.08	0.61	1990	1989
<i>300</i>	178	9675	178	-30.0	-20.7	-36.3	8	-39.6	166	263	15.9	18.3	20.47	0.84	1988	1986
<i>250</i>	154	10952	154	-39.2	-28.5	-48.9			135	259	17.3	19.6	34.98	1.95	1988	1989
<i>200</i>	124	12443	124	-50.7	-39.9	-57.9			106	258	17.4	20.8	30.18	1.44	1987	1986
<i>175</i>	104	13301	103	-57.2	-50.3	-64.7			78	262	18.1	21.2	37.05	1.39	1990	1986
<i>150</i>	85	14253	85	-64.0	-54.5	-71.3			62	260	17.4	20.8	55.84	2.99	1987	1986
<i>125</i>	59	15336	59	-70.9	-61.9	-79.1			39	265	15.4	18.8	59.41	2.36	1990	1986
<i>100</i>	37	16622	37	-76.8	-67.5	-86.7			25	265	9.9	13.9	77.28	2.38	1990	1989
<i>80</i>	28	17924	28	-74.1	-65.1	-84.1			18	277	6.2	11.2	98.74	4.18	1986	1984
<i>70</i>	26	18721	26	-70.7	-60.5	-82.5			16	298	5.7	9.7	128.58	4.88	1986	1984
<i>60</i>	24	19614	24	-65.6	-55.3	-73.9			14	292	5.9	11.4	110.52	4.37	1988	1983
<i>50</i>	23	20717	23	-60.5	-49.7	-69.1			12	314	6.9	12.7	135.02	4.60	1988	1984
<i>40</i>	15	22116	15	-55.9	-41.1	-64.1			9	240	3.1	12.3			1988	1984
<i>30</i>	13	23997	13	-49.9	-34.3	-58.1			7	237	5.5	11.4			1988	1990
<i>25</i>	10	25184	10	-47.0	-31.3	-52.9			5	283	10.1	15.6			1988	1988
<i>20</i>	8	26715	8	-45.3	-25.5	-50.9			3	285	12.4	14.3			1988	1988
<i>15</i>	6	28533	6	-46.1	-41.1	-48.1			3	286	7.4	12.7			1990	1988
<i>10</i>	6	31250	6	-43.0	-36.5	-45.1			3	281	9.9	17.0			1990	1990
<i>7</i>	4	33598	4	-42.2	-41.1	-43.3			1	258	17.0	17.0			1989	1989

FREEZING LEVEL

N P ALT

201 572 478

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

28 096 1692 -79.0

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

MARCH 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1009	248	23.8	28.2	18.8	248	22.4	248	178	1.7	2.3	0.79	0.96	1990	1984
1000	242	88	242	23.9	29.2	18.0	242	21.9	242	179	2.6	3.5	5.40	0.92	1987	1989
950	242	524	242	23.5	31.4	15.4	241	16.9	242	180	3.9	4.8	13.60	0.73	1990	1990
900	242	1010	242	22.6	32.0	9.2	240	8.2	242	168	3.2	4.6	4.89	1.27	1983	1983
850	242	1505	242	20.1	29.0	10.0	237	5.1	242	133	1.9	4.4	5.97	1.44	1990	1987
800	242	2026	242	16.7	24.8	6.8	237	2.8	242	065	1.7	4.7	8.03	1.44	1990	1987
750	242	2567	242	12.7	19.8	3.2	232	0.2	242	012	2.8	5.6	8.51	1.33	1988	1987
700	242	3147	242	8.6	15.8	0.0	220	-3.5	242	345	3.1	6.3	12.11	1.13	1985	1987
650	242	3750	242	5.0	17.6	-4.7	180	-7.5	241	331	3.3	6.8	12.18	1.10	1983	1984
600	241	4405	241	1.6	11.6	-6.1	130	-11.4	239	310	3.6	7.1	15.46	0.95	1990	1987
550	241	5107	241	-2.0	7.2	-13.3	84	-14.7	237	295	4.0	7.6	16.79	1.14	1990	1989
500	241	5854	241	-6.1	3.0	-13.7	67	-18.6	236	287	5.4	8.9	19.75	1.19	1988	1987
450	238	6674	238	-10.8	-3.1	-17.3	49	-22.2	228	281	7.1	10.3	19.17	1.40	1988	1985
400	237	7570	237	-16.2	-8.9	-23.1	42	-26.6	227	274	9.7	12.4	26.08	1.39	1988	1987
350	226	8565	226	-22.5	-13.9	-30.7	34	-32.1	206	272	12.3	14.8	30.94	1.22	1988	1988
300	204	9684	204	-30.0	-22.7	-38.1	20	-38.2	181	267	13.7	16.2	35.86	1.05	1988	1987
250	182	10960	182	-39.3	-29.5	-48.1	3	-44.3	154	261	16.0	18.8	43.93	1.25	1986	1987
200	158	12454	158	-50.5	-41.1	-59.7			126	254	16.0	19.0	55.45	1.63	1988	1983
175	131	13316	131	-56.8	-49.1	-67.3			99	258	15.0	18.4	57.39	1.76	1986	1984
150	107	14274	107	-63.6	-56.7	-71.7			78	261	13.1	17.1	59.92	1.51	1986	1983
125	65	15383	65	-70.3	-61.7	-78.1			46	259	9.7	14.5	77.82	1.78	1990	1983
100	52	16680	52	-76.5	-67.5	-82.7			34	285	5.1	12.2	77.68	1.83	1990	1989
80	45	17956	45	-74.9	-68.7	-88.9			23	337	1.3	9.3	79.19	4.58	1986	1987
70	44	18754	44	-70.7	-62.1	-84.9			23	331	1.2	9.6	85.53	5.49	1986	1987
60	44	19659	44	-66.0	-51.1	-77.9			22	094	1.8	8.9	96.03	4.77	1989	1983
50	41	20771	41	-60.6	-53.5	-70.9			21	078	2.6	9.7	106.96	3.35	1990	1989
40	37	22195	37	-55.6	-44.9	-63.9			16	059	7.2	10.2	132.48	5.05	1984	1989
30	35	24049	35	-50.5	-39.1	-58.1			15	063	2.8	7.7	143.44	3.26	1986	1990
25	30	25199	30	-48.5	-41.1	-56.1			13	061	4.3	8.0	150.42	2.56	1988	1990
20	27	26695	27	-45.7	-40.1	-53.1			12	324	2.2	7.8	115.97	2.10	1990	1990
15	22	28610	22	-43.2	-35.3	-49.7			10	296	3.9	9.1	119.02	1.89	1990	1988
10	17	31336	17	-40.6	-34.1	-47.7			7	348	4.4	12.4			1988	1988
7	10	33744	10	-39.8	-33.5	-46.1			1	341	14.9	15.0			1990	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

241 577 471

43 093 1709 -79.4

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

APRIL 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	240	1007	240	26.4	30.6	21.6	240	24.5	240	184	2.6	3.5	1.06	0.33	1986	1988
<i>1000</i>	235	66	235	26.4	33.0	21.8	235	24.4	235	186	3.7	4.3	8.49	0.38	1983	1988
<i>950</i>	235	504	235	25.7	35.0	19.8	234	20.1	235	191	5.9	6.7	13.97	0.58	1986	1989
<i>900</i>	235	994	235	25.2	37.0	18.2	228	11.3	235	186	4.6	5.7	8.83	0.67	1986	1988
<i>850</i>	235	1494	235	22.8	32.2	9.8	226	6.7	235	168	2.2	4.2	8.87	0.60	1986	1985
<i>800</i>	235	2019	235	19.5	26.8	12.6	225	3.7	235	085	0.9	4.0	9.65	0.54	1986	1983
<i>750</i>	235	2567	235	15.3	22.0	6.0	223	1.3	235	025	2.1	4.9	9.39	0.49	1986	1987
<i>700</i>	235	3150	235	10.7	18.4	3.2	222	-1.6	235	012	3.2	5.9	10.29	0.65	1990	1987
<i>650</i>	234	3758	234	6.1	13.6	-0.7	206	-6.0	234	358	3.4	6.1	9.86	0.97	1990	1987
<i>600</i>	233	4412	233	2.2	9.8	-4.9	173	-10.1	233	340	3.2	6.1	11.27	1.18	1990	1987
<i>550</i>	231	5114	231	-1.6	5.2	-9.7	131	-14.3	230	331	2.8	5.8	14.68	1.28	1990	1987
<i>500</i>	229	5863	229	-5.5	1.4	-15.3	94	-18.4	227	304	2.9	6.5	14.21	1.18	1990	1987
<i>450</i>	226	6684	226	-9.9	-3.1	-22.3	67	-21.9	224	290	3.8	7.5	16.22	0.96	1988	1987
<i>400</i>	224	7585	224	-15.5	-8.1	-30.3	57	-28.0	222	279	5.3	9.4	16.73	0.93	1990	1987
<i>350</i>	217	8579	217	-22.0	-14.1	-32.7	41	-33.1	213	274	7.6	11.3	19.44	0.99	1990	1983
<i>300</i>	205	9701	205	-29.5	-22.1	-40.9	21	-38.4	200	264	9.6	13.1	19.10	1.40	1990	1983
<i>250</i>	185	10981	185	-38.8	-30.3	-49.3	5	-46.3	176	250	11.9	15.8	24.69	1.81	1990	1983
<i>200</i>	171	12473	171	-50.0	-38.1	-61.9			158	244	12.7	16.1	39.40	2.16	1990	1983
<i>175</i>	147	13335	147	-56.5	-44.1	-68.5			129	240	12.3	15.5	49.09	2.29	1990	1983
<i>150</i>	118	14304	118	-63.1	-52.1	-72.3			103	239	11.8	14.1	63.43	2.36	1990	1983
<i>125</i>	83	15418	83	-69.5	-59.1	-76.9			68	238	7.3	11.1	85.69	2.90	1990	1984
<i>100</i>	68	16735	68	-75.9	-62.1	-84.5			49	229	3.6	9.3	145.64	2.24	1983	1983
<i>80</i>	53	18021	53	-73.5	-60.1	-83.1			32	066	1.1	7.1	132.73	3.05	1990	1984
<i>70</i>	50	18828	50	-69.2	-56.1	-80.7			30	128	1.1	7.4	128.53	3.43	1986	1986
<i>60</i>	44	19755	44	-64.3	-50.9	-74.1			26	272	0.1	7.4	86.19	4.13	1986	1984
<i>50</i>	44	20889	44	-58.1	-44.5	-69.1			26	245	0.7	7.2	99.66	4.85	1986	1984
<i>40</i>	33	22294	33	-53.5	-42.9	-62.5			20	091	6.5	10.5	121.12	3.75	1989	1984
<i>30</i>	32	24164	32	-48.3	-40.1	-57.1			20	076	5.2	8.8	133.07	3.07	1988	1988
<i>25</i>	29	25347	29	-45.9	-39.1	-54.9			18	094	7.5	9.9	167.12	2.61	1988	1990
<i>20</i>	27	26896	27	-42.6	-36.5	-51.3			16	080	7.7	9.9	171.24	3.31	1989	1988
<i>15</i>	19	28898	19	-40.6	-35.7	-49.9			12	088	5.9	9.2			1989	1988
<i>10</i>	17	31651	17	-38.1	-33.1	-48.1			12	135	4.0	12.6			1989	1988
<i>7</i>	10	33981	10	-38.3	-34.1	-45.9			7	197	6.5	12.6			1990	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
231	568	485					54	094	1705	-78.2

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

MAY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1003	248	28.5	32.6	23.4	248	25.3	248	202	2.9	4.3	1.80	0.64	1985	1990
1000	229	38	208	28.2	32.0	23.8	208	25.6	206	195	3.3	4.6	14.86	0.58	1985	1987
950	231	484	231	27.3	36.4	18.2	231	22.7	231	212	5.8	8.2	18.78	0.97	1989	1983
900	231	971	231	26.2	34.2	17.6	230	16.0	231	221	5.3	8.7	13.46	0.91	1989	1985
850	231	1473	231	24.0	30.8	14.4	229	11.6	231	243	2.8	6.4	13.10	1.06	1989	1985
800	231	2000	231	20.9	27.2	12.0	227	7.9	231	323	1.7	5.3	12.77	1.08	1990	1985
750	231	2551	231	16.9	23.8	9.2	227	3.9	231	002	3.1	5.8	10.49	1.22	1988	1985
700	231	3138	231	12.5	20.4	6.0	224	0.8	229	010	4.4	6.6	11.56	1.29	1990	1985
650	225	3749	225	7.8	18.0	0.6	219	-2.3	222	009	5.5	7.6	10.23	1.63	1990	1987
600	222	4409	222	3.2	11.2	-3.1	215	-6.0	220	011	6.0	8.2	9.91	1.63	1990	1987
550	221	5113	221	-0.9	8.0	-7.3	186	-10.1	219	016	5.1	7.8	13.50	1.71	1990	1987
500	221	5866	221	-4.3	4.4	-10.9	148	-14.6	220	022	3.8	7.3	12.94	1.65	1990	1984
450	214	6694	214	-8.2	3.6	-14.7	110	-19.9	212	014	3.2	7.6	18.49	1.67	1989	1985
400	211	7600	211	-13.3	-5.5	-20.9	83	-24.0	209	360	2.5	8.3	23.20	1.66	1990	1985
350	206	8602	206	-19.5	-10.1	-27.1	60	-29.5	203	304	1.5	8.1	27.83	1.65	1990	1985
300	191	9737	191	-27.0	-18.1	-35.3	32	-36.0	188	267	2.5	7.8	34.00	1.55	1990	1986
250	171	11029	171	-36.2	-27.5	-47.5	11	-42.5	165	219	2.8	8.5	42.49	1.81	1985	1985
200	150	12542	150	-47.9	-40.1	-61.3	1	-49.5	139	190	3.7	9.3	55.62	2.13	1990	1986
175	123	13413	123	-54.6	-47.1	-70.3			109	163	4.3	10.3	65.26	2.26	1990	1986
150	105	14385	105	-62.0	-54.1	-75.3			94	147	5.0	11.2	80.76	2.51	1990	1986
125	73	15511	73	-68.2	-61.1	-75.7			61	116	7.9	12.4	83.60	2.74	1990	1986
100	54	16842	54	-74.3	-66.1	-81.1			40	099	11.6	14.4	108.20	2.35	1990	1989
80	44	18135	44	-72.6	-65.1	-79.9			23	102	10.2	11.5	151.42	3.82	1990	1983
70	40	18937	40	-68.7	-60.1	-76.3			18	093	11.1	12.1	148.21	4.80	1990	1983
60	36	19850	36	-63.5	-54.1	-73.3			15	102	7.5	9.4	142.87	5.16	1987	1983
50	33	20989	33	-58.1	-49.1	-69.3			13	085	10.8	11.6	158.05	5.51	1986	1988
40	21	22438	21	-52.1	-43.3	-60.1			10	083	8.7	9.4	190.15	4.77	1987	1983
30	19	24314	19	-47.1	-39.1	-54.1			7	099	15.3	15.5			1990	1990
25	14	25538	14	-44.8	-38.1	-52.1			5	088	9.9	10.6			1990	1990
20	11	27062	11	-42.0	-37.1	-49.5			4	109	15.8	19.0			1989	1990
15	9	29075	9	-39.9	-35.5	-46.9			3	087	20.0	20.7			1989	1990
10	7	31870	7	-37.0	-32.5	-43.5			2	084	13.0	13.0			1989	1990
7	1	34142	1	-38.5	-38.5	-38.5									1990	1990

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

221 558 498

47 094 1725 -76.7

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

JUNE 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	240	1001	240	28.3	35.0	24.0	240	23.9	240	257	4.9	5.9	1.06	0.61	1984	1983
1000	216	21	186	28.4	32.2	24.4	186	23.5	181	255	5.3	6.2	6.42	0.52	1987	1983
950	221	467	221	27.3	37.0	21.0	221	21.7	220	266	9.8	11.0	8.81	0.83	1988	1989
900	221	952	221	24.8	35.8	18.0	221	18.7	220	280	12.1	13.3	6.15	0.83	1988	1983
850	221	1452	221	21.9	32.6	15.8	221	16.0	220	286	11.0	12.2	6.64	0.82	1983	1983
800	221	1977	221	18.8	30.2	12.0	221	13.4	220	287	8.5	10.0	7.52	0.92	1983	1983
750	221	2526	221	15.5	27.0	8.6	220	10.3	220	291	6.8	8.9	9.07	1.08	1988	1983
700	221	3111	221	11.9	22.6	5.0	219	6.3	220	294	5.2	8.0	9.95	1.18	1988	1983
650	217	3725	217	8.3	18.4	2.2	216	2.4	216	299	4.6	8.0	10.25	1.45	1988	1983
600	213	4386	213	4.5	11.4	-1.1	210	-1.0	212	304	3.9	8.2	13.50	1.44	1988	1984
550	210	5094	210	0.7	8.0	-5.3	204	-5.2	209	301	3.3	7.7	19.74	1.57	1990	1984
500	209	5850	209	-3.2	4.6	-8.9	195	-9.8	208	305	2.3	6.8	18.13	1.47	1990	1989
450	205	6679	205	-7.4	0.8	-13.1	177	-14.5	201	318	1.5	6.4	23.13	1.46	1990	1983
400	199	7590	199	-12.5	-5.1	-18.3	157	-20.4	195	024	1.1	6.4	25.57	1.42	1990	1985
350	189	8597	189	-18.6	-10.9	-25.3	128	-26.9	184	063	2.6	6.7	30.34	1.44	1986	1985
300	177	9738	177	-26.0	-17.7	-33.3	95	-34.6	170	077	5.5	8.2	36.76	1.54	1990	1985
250	168	11035	168	-35.4	-27.1	-44.9	28	-44.1	155	083	9.1	11.2	43.02	1.68	1990	1985
200	149	12556	149	-47.4	-37.9	-55.1			137	081	14.2	16.0	58.17	1.94	1990	1984
175	121	13424	121	-54.7	-43.9	-62.5			105	081	16.1	17.9	61.43	1.74	1990	1988
150	100	14396	100	-62.5	-52.1	-69.5			91	078	19.7	21.3	63.04	1.58	1984	1983
125	73	15483	73	-70.1	-60.1	-78.3			62	086	22.6	24.2	80.46	2.37	1984	1983
100	59	16788	59	-76.7	-69.3	-86.1			51	094	22.7	24.2	109.54	3.09	1989	1984
80	55	18089	55	-71.8	-58.5	-80.1			41	094	19.9	21.1	148.53	3.57	1989	1983
70	52	18894	52	-67.7	-55.3	-76.1			35	096	19.4	20.4	159.98	3.53	1989	1984
60	47	19812	47	-62.8	-49.3	-71.5			27	092	14.6	17.4	162.30	4.55	1989	1983
50	45	20940	45	-57.7	-46.1	-71.5			24	092	14.7	19.1	179.02	3.85	1990	1983
40	36	22374	36	-53.5	-42.1	-68.1			17	092	12.1	16.9	208.16	3.92	1990	1983
30	29	24248	29	-49.1	-37.7	-62.1			13	092	12.4	14.7	237.14	4.66	1990	1983
25	22	25457	22	-46.3	-35.1	-58.1			9	082	18.7	20.4	280.66	4.30	1990	1983
20	20	26985	20	-42.8	-32.1	-53.3			7	077	21.0	22.4			1990	1983
15	13	28899	13	-40.2	-35.1	-48.1			4	065	16.0	16.3			1985	1988
10	9	31527	9	-38.0	-33.1	-44.3			3	095	15.4	16.0			1984	1988
7	2	34046	2	-39.1	-36.1	-42.1									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
211	542	521					57	098	1693	-78.0

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

JULY 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1003	248	26.8	30.0	23.0	248	20.3	248	251	4.7	5.6	0.71	0.36	1986	1985
1000	237	32	223	26.8	29.8	23.4	223	23.9	223	249	4.7	5.6	5.52	0.38	1986	1990
950	237	474	237	25.5	33.0	20.2	237	21.8	237	262	8.9	10.2	15.69	0.72	1990	1986
900	237	960	237	23.1	31.0	16.2	237	19.4	237	276	11.2	12.6	5.95	0.86	1990	1986
850	237	1456	237	20.2	28.2	13.2	237	16.6	237	283	11.2	12.3	6.40	0.92	1990	1988
800	237	1978	237	17.3	25.4	10.6	236	14.2	237	286	10.0	11.1	8.22	1.05	1990	1986
750	237	2523	237	14.1	23.0	7.2	235	11.0	236	284	9.0	10.2	9.29	1.23	1990	1986
700	237	3107	237	10.9	20.0	3.8	237	7.7	237	282	7.8	9.4	10.41	1.31	1990	1987
650	234	3719	234	7.7	16.2	0.4	234	3.8	233	281	6.8	8.7	13.59	1.38	1990	1987
600	232	4379	232	4.5	12.4	-2.9	231	-0.2	231	281	6.0	8.2	16.27	1.44	1990	1987
550	232	5086	232	0.9	9.4	-6.9	229	-4.6	231	282	4.1	7.3	21.42	1.46	1990	1987
500	230	5845	230	-2.8	5.4	-11.7	224	-9.3	230	289	2.8	6.7	23.02	1.57	1990	1987
450	226	6674	226	-7.3	1.2	-16.3	211	-14.2	216	304	0.7	6.1	28.77	1.66	1990	1987
400	224	7589	224	-12.4	-4.9	-21.3	195	-19.9	212	075	2.1	6.9	32.22	1.58	1990	1987
350	219	8589	219	-18.7	-9.5	-26.9	170	-26.5	202	084	5.6	8.3	36.52	1.63	1990	1987
300	212	9731	212	-26.2	-17.3	-33.9	123	-34.2	194	084	9.4	10.9	43.45	1.53	1985	1987
250	201	11027	201	-35.6	-26.1	-44.3	46	-42.4	181	084	13.1	14.8	54.52	1.85	1984	1987
200	180	12545	180	-47.6	-37.9	-60.5	3	-51.2	158	083	19.2	20.4	69.08	2.29	1990	1987
175	137	13424	137	-54.2	-43.3	-65.3			119	081	23.0	24.3	83.48	2.66	1990	1983
150	109	14404	109	-61.6	-49.5	-75.9			97	081	25.4	26.9	99.74	3.08	1990	1983
125	68	15563	68	-68.0	-55.1	-79.1			58	084	29.5	30.6	114.84	3.31	1990	1987
100	50	16901	50	-73.5	-57.9	-81.9			41	088	33.2	34.1	209.26	4.87	1990	1987
80	39	18229	39	-67.6	-57.7	-82.1			27	091	27.7	28.4	208.02	5.67	1990	1983
70	35	19048	35	-63.4	-54.7	-73.7			23	089	23.0	24.0	231.16	5.23	1986	1983
60	30	20000	30	-58.8	-50.1	-66.3			20	085	22.6	23.5	240.59	3.64	1990	1988
50	27	21149	27	-54.5	-42.7	-62.9			17	095	24.2	24.9	275.54	4.11	1990	1984
40	23	22625	23	-49.3	-40.5	-57.9			11	088	20.2	20.7	345.09	4.64	1990	1984
30	19	24533	19	-45.5	-38.1	-51.7			8	097	22.1	22.6			1990	1984
25	15	25707	14	-44.7	-37.9	-50.1			4	091	24.6	24.8			1989	1984
20	13	27217	13	-42.4	-34.9	-48.1			3	098	30.5	31.7			1989	1984
15	10	29123	10	-40.4	-36.1	-45.7			1	129	29.9	30.0			1989	1984
10	3	31886	3	-35.5	-33.1	-40.3									1989	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
231	537	530					44	102	1677	-74.9

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

AUGUST 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1003	248	26.7	30.0	23.2	248	23.9	248	255	5.0	5.6	0.61	0.41	1984	1986
<i>1000</i>	226	31	211	26.8	30.0	24.0	211	24.0	209	252	5.3	6.2	5.10	0.46	1984	1984
<i>950</i>	226	471	226	25.4	33.2	18.8	226	21.3	225	264	9.1	10.1	17.13	0.77	1987	1989
<i>900</i>	226	959	226	22.9	31.2	16.0	226	18.9	225	279	10.6	11.7	5.83	0.80	1987	1989
<i>850</i>	226	1456	226	20.0	28.0	13.0	226	16.4	225	288	10.3	11.2	6.77	0.81	1987	1990
<i>800</i>	226	1977	226	17.1	28.8	10.6	226	13.9	225	290	9.6	10.4	7.98	0.93	1986	1984
<i>750</i>	226	2524	226	14.0	24.2	5.4	226	10.9	225	288	8.7	9.7	9.74	1.09	1986	1984
<i>700</i>	226	3106	226	10.9	19.4	4.6	226	6.9	225	286	7.6	8.7	12.26	1.13	1987	1984
<i>650</i>	226	3718	226	7.6	16.4	0.4	226	2.8	225	286	6.8	8.3	16.45	1.12	1984	1985
<i>600</i>	225	4377	225	4.5	11.6	-3.3	221	-1.2	222	288	5.8	7.7	15.28	0.98	1987	1985
<i>550</i>	219	5084	219	1.3	7.2	-6.3	211	-5.2	217	287	4.6	7.4	17.48	0.98	1986	1985
<i>500</i>	216	5845	216	-2.6	4.6	-9.7	202	-10.0	214	285	2.7	6.7	21.02	1.00	1990	1986
<i>450</i>	214	6673	214	-7.0	5.0	-17.5	187	-15.1	210	311	0.6	6.8	22.80	1.12	1984	1987
<i>400</i>	211	7585	211	-12.3	-4.3	-19.1	178	-20.8	207	066	1.4	7.0	26.96	1.14	1987	1985
<i>350</i>	205	8590	205	-18.5	-7.9	-25.9	154	-26.9	197	087	4.9	7.9	32.38	1.02	1987	1986
<i>300</i>	193	9732	193	-26.0	-14.3	-34.9	117	-34.4	183	087	8.6	10.3	36.92	1.25	1990	1986
<i>250</i>	179	11028	179	-35.6	-24.9	-46.7	49	-43.3	164	087	12.6	13.8	40.27	1.47	1986	1986
<i>200</i>	157	12546	157	-47.6	-41.1	-60.9			139	085	17.9	18.6	50.51	2.16	1988	1986
<i>175</i>	128	13416	128	-54.8	-47.1	-69.9			111	081	21.8	22.9	60.87	2.67	1990	1986
<i>150</i>	97	14387	97	-62.1	-53.5	-72.9			83	081	23.8	24.9	73.92	3.06	1984	1987
<i>125</i>	66	15498	66	-69.0	-60.1	-78.9			54	083	26.3	27.6	95.58	3.29	1984	1987
<i>100</i>	48	16822	48	-74.5	-65.5	-82.5			37	084	26.5	27.7	103.15	2.33	1990	1983
<i>80</i>	38	18137	38	-69.0	-59.3	-81.7			26	087	23.0	23.8	122.32	4.90	1990	1984
<i>70</i>	32	18973	32	-63.6	-51.3	-78.7			21	085	19.5	20.5	133.68	5.13	1990	1983
<i>60</i>	28	19910	28	-60.1	-51.9	-75.1			16	078	19.5	20.5	141.02	5.01	1990	1983
<i>50</i>	28	21058	28	-56.8	-47.9	-75.1			15	078	18.9	20.6	158.38	5.83	1990	1988
<i>40</i>	19	22560	19	-51.1	-40.3	-65.1			10	093	20.9	21.8			1990	1983
<i>30</i>	15	24433	15	-47.9	-44.5	-58.1			8	077	21.4	22.4			1990	1983
<i>25</i>	15	25622	15	-45.7	-41.9	-57.5			8	061	23.9	28.1			1990	1983
<i>20</i>	10	27033	10	-43.5	-38.9	-56.5			5	082	26.6	27.0			1989	1983
<i>15</i>	7	28957	7	-41.1	-36.5	-55.7			3	087	20.7	23.0			1990	1983
<i>10</i>	2	31330	2	-43.8	-33.5	-54.1			2	100	20.3	22.0			1985	1983
<i>7</i>	1	33353	1	-53.1	-53.1	-53.1			1	081	48.0	48.0			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
217	533	536					43	100	1688	-76.5

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

SEPTEMBER 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	243	1004	243	26.6	32.2	23.0	243	24.7	243	242	2.8	3.9	2.19	0.48	1987	1989
<i>1000</i>	231	51	231	26.5	32.0	22.8	231	24.5	229	241	3.3	4.7	8.98	0.47	1987	1989
<i>950</i>	231	492	231	25.5	31.0	19.6	231	22.1	229	252	4.6	6.8	17.26	0.88	1988	1983
<i>900</i>	231	979	231	23.1	31.2	16.2	231	19.0	229	271	4.8	7.4	8.29	1.11	1988	1983
<i>850</i>	231	1476	231	20.3	27.0	13.0	231	16.0	229	288	4.3	7.0	7.67	1.36	1988	1983
<i>800</i>	231	1998	231	17.2	25.0	11.0	230	13.1	229	300	4.2	7.0	7.39	1.40	1988	1983
<i>750</i>	231	2543	231	14.0	23.2	7.0	229	9.6	229	306	3.9	6.8	12.32	1.45	1988	1990
<i>700</i>	231	3125	231	10.8	19.4	3.8	229	5.7	229	310	3.3	6.4	8.90	1.30	1988	1990
<i>650</i>	226	3738	226	7.4	14.2	0.8	223	1.7	224	315	2.5	5.9	14.82	1.31	1989	1985
<i>600</i>	223	4396	223	4.1	11.0	-2.7	215	-2.0	221	320	1.4	5.6	13.61	1.14	1989	1985
<i>550</i>	220	5192	220	0.5	8.0	-8.1	205	-6.2	217	001	0.6	5.6	16.66	1.14	1989	1985
<i>500</i>	218	5860	218	-3.4	4.0	-11.9	195	-10.6	214	058	1.2	5.5	19.52	1.23	1989	1985
<i>450</i>	217	6688	217	-7.7	-1.5	-14.1	183	-16.0	212	084	2.5	6.0	28.34	1.42	1989	1985
<i>400</i>	214	7597	214	-12.9	-6.9	-18.7	156	-21.6	209	093	4.1	6.5	30.63	1.60	1990	1984
<i>350</i>	205	8599	205	-19.2	-11.9	-25.3	120	-28.2	197	096	5.7	7.5	34.35	1.83	1988	1987
<i>300</i>	201	9737	201	-26.9	-19.5	-35.3	73	-35.5	192	095	7.1	8.4	46.76	1.90	1990	1987
<i>250</i>	183	11028	183	-36.6	-28.9	-48.1	18	-43.8	172	094	10.5	11.5	58.96	2.47	1990	1987
<i>200</i>	154	12541	154	-48.5	-39.3	-59.9			143	089	15.6	16.6	76.08	2.58	1990	1987
<i>175</i>	129	13417	129	-55.3	-45.9	-65.1			112	092	17.7	18.6	102.00	3.30	1990	1985
<i>150</i>	102	14404	102	-62.3	-50.9	-72.3			87	088	20.1	21.1	129.92	3.88	1988	1985
<i>125</i>	64	15540	64	-68.9	-61.1	-80.3			48	088	24.0	24.8	131.20	4.64	1990	1985
<i>100</i>	54	16864	54	-73.4	-63.5	-87.1			39	088	22.5	23.6	166.88	3.99	1990	1990
<i>80</i>	48	18191	48	-67.4	-57.7	-78.1			31	088	15.7	16.6	186.37	3.88	1990	1990
<i>70</i>	45	19025	45	-62.7	-54.3	-74.3			28	085	16.6	17.3	214.44	4.95	1990	1985
<i>60</i>	39	19973	39	-58.2	-47.9	-68.1			25	087	15.9	16.7	174.47	3.52	1986	1990
<i>50</i>	33	21128	33	-54.4	-46.1	-67.9			20	082	15.2	16.2	128.66	1.47	1990	1990
<i>40</i>	25	22570	25	-50.1	-40.3	-58.1			10	086	17.6	17.9	148.15	2.29	1990	1990
<i>30</i>	18	24442	18	-46.7	-40.5	-53.3			9	094	16.5	17.2			1990	1988
<i>25</i>	11	25728	11	-44.0	-38.5	-50.3			3	076	16.7	17.3			1990	1989
<i>20</i>	7	27191	7	-43.4	-38.3	-48.9			1	065	16.0	16.0			1990	1989
<i>15</i>	5	29191	5	-41.6	-36.5	-43.9									1990	1989
<i>10</i>	3	31881	3	-40.5	-37.5	-43.9									1989	1989
<i>7</i>																

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

221 542 522

50 104 1666 -75.3

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

OCTOBER 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	279	1008	279	25.0	28.2	19.4	279	23.3	279	021	0.5	3.1	1.00	0.44	1988	1985
1000	255	75	250	24.9	28.2	20.4	250	23.1	250	028	0.7	3.7	7.67	0.32	1988	1985
950	255	514	255	24.2	30.0	18.4	255	20.1	255	062	0.8	5.6	14.53	0.47	1990	1985
900	255	1000	255	21.6	28.6	14.8	255	15.1	255	050	1.7	6.1	7.16	0.64	1989	1982
850	255	1493	255	18.6	25.8	12.6	255	11.4	255	035	2.2	6.2	7.87	0.73	1985	1982
800	255	2012	255	15.4	21.8	9.0	251	8.3	255	027	2.2	6.0	8.67	0.79	1990	1983
750	255	2555	255	12.3	20.0	3.2	244	4.5	255	017	2.2	6.1	9.17	0.84	1989	1985
700	255	3132	255	9.4	16.4	1.8	228	0.9	254	016	1.7	5.7	10.86	0.94	1990	1984
650	251	3743	250	6.5	13.2	-1.3	212	-2.9	250	026	1.5	5.7	12.05	0.97	1990	1990
600	250	4397	250	3.4	10.4	-5.3	188	-5.8	248	054	1.0	5.4	11.10	0.91	1990	1990
550	249	5102	248	-0.2	6.8	-9.9	169	-9.9	247	080	0.9	5.3	14.72	1.08	1990	1990
500	248	5856	248	-4.2	2.8	-14.1	147	-14.8	247	088	1.0	5.4	14.19	1.29	1989	1990
450	245	6682	242	-8.7	-1.3	-19.9	120	-18.9	239	089	1.0	5.2	20.95	1.27	1985	1990
400	241	7588	239	-14.0	-7.5	-21.5	86	-22.7	232	122	1.1	5.5	20.87	1.49	1988	1982
350	232	8588	232	-20.5	-13.9	-29.7	64	-29.2	220	127	1.9	6.1	20.77	1.50	1988	1990
300	227	9716	227	-28.4	-21.7	-38.7	42	-35.9	214	128	2.3	6.5	31.41	1.54	1988	1990
250	208	10999	208	-38.4	-30.1	-48.7	11	-43.3	187	134	3.6	8.1	40.93	2.04	1988	1983
200	177	12492	176	-50.5	-41.3	-62.1			155	128	5.5	10.4	58.89	2.73	1988	1983
175	137	13353	136	-57.2	-49.9	-69.7			120	127	6.2	10.5	70.29	2.65	1984	1982
150	112	14325	112	-64.5	-54.9	-73.3			95	117	7.6	11.3	92.30	2.92	1988	1982
125	68	15412	67	-72.0	-60.5	-79.5			56	113	9.1	12.5	118.55	3.46	1989	1983
100	54	16710	54	-77.0	-67.3	-86.1			45	098	8.7	10.2	134.32	3.87	1989	1990
80	48	18014	48	-70.9	-59.7	-83.3			37	094	9.4	9.9	158.25	2.71	1989	1983
70	46	18835	46	-66.4	-57.3	-79.1			37	093	8.6	9.3	167.96	2.08	1989	1987
60	44	19772	44	-61.8	-53.9	-73.9			34	078	9.3	10.0	173.49	2.34	1987	1987
50	43	20915	43	-57.3	-47.5	-69.1			33	082	11.0	11.9	187.51	3.37	1987	1982
40	34	22324	34	-53.1	-42.1	-63.1			24	092	10.7	11.6	204.22	3.47	1987	1982
30	27	24201	27	-48.8	-37.9	-57.5			19	088	11.2	12.9	205.46	2.79	1987	1987
25	24	25365	24	-47.2	-36.5	-55.1			17	095	14.8	15.6	193.00	2.17	1987	1987
20	21	26825	21	-45.3	-35.7	-52.1			16	097	14.2	15.8	205.48	2.45	1990	1987
15	15	28789	15	-43.1	-32.3	-49.9			10	104	20.4	21.3			1990	1987
10	10	31601	10	-40.4	-35.3	-47.1			6	107	25.1	26.2			1989	1988
7	5	33824	5	-39.5	-32.5	-44.9			3	100	23.3	25.0			1982	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
249	552	508					49	102	1661	-78.3

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

NOVEMBER 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	269	1011	269	22.5	28.2	16.6	269	19.5	269	044	3.4	4.3	1.20	0.84	1990	1988
1000	258	102	257	22.7	30.0	16.8	257	19.9	257	046	4.2	5.4	9.73	0.73	1990	1988
950	258	539	258	22.2	29.8	14.2	258	17.1	258	064	5.9	7.3	12.01	0.66	1990	1990
900	258	1018	258	19.5	28.2	12.0	258	12.5	258	064	6.0	7.4	10.01	0.87	1990	1984
850	258	1508	255	15.6	26.0	9.0	248	8.8	256	062	5.3	7.0	9.75	1.15	1990	1984
800	258	2023	257	14.0	23.0	5.8	235	4.9	255	060	4.4	6.4	9.86	1.03	1989	1984
750	258	2564	258	11.8	20.4	3.2	204	2.2	254	062	3.4	6.0	11.64	1.06	1988	1983
700	258	3141	258	9.4	18.0	-0.9	170	0.2	254	069	2.4	5.7	10.35	1.16	1990	1983
650	254	3751	254	6.5	16.8	-0.9	156	-3.8	249	074	1.7	6.0	12.90	1.00	1987	1983
600	253	4405	253	3.2	12.0	-2.5	140	-6.5	247	061	1.5	5.7	12.50	1.03	1990	1983
550	249	5107	249	-0.4	8.2	-8.3	127	-10.3	243	047	1.3	6.0	17.29	1.14	1990	1984
500	243	5862	242	-4.5	5.2	-11.1	110	-14.9	239	016	1.2	6.1	16.30	1.24	1990	1983
450	238	6685	236	-9.3	1.0	-16.1	82	-18.7	229	333	1.3	6.5	22.19	1.13	1990	1983
400	234	7589	233	-14.8	-4.1	-22.5	70	-24.4	226	297	2.1	7.2	23.70	1.36	1990	1983
350	230	8586	230	-21.3	-11.9	-29.7	48	-29.8	221	271	4.1	8.3	27.59	1.44	1988	1983
300	219	9712	219	-29.0	-20.3	-37.5	22	-35.9	208	250	6.4	9.7	36.65	1.80	1990	1983
250	211	10991	211	-38.7	-28.7	-47.5	8	-46.5	200	234	8.8	11.8	44.67	1.98	1987	1989
200	188	12489	188	-50.8	-40.7	-60.3			173	220	9.7	13.1	49.60	2.31	1987	1982
175	158	13353	157	-57.4	-48.1	-69.1			144	218	10.2	14.1	57.29	2.40	1987	1982
150	121	14335	121	-63.8	-55.5	-74.1			110	217	8.9	13.2	74.51	2.72	1989	1982
125	73	15446	73	-70.1	-62.5	-83.9			66	214	6.4	11.1	82.98	3.58	1989	1982
100	60	16752	60	-75.1	-66.1	-88.3			51	226	2.0	9.7	104.55	2.88	1989	1982
80	47	18064	47	-71.4	-60.3	-81.1			38	100	3.4	8.9	117.70	2.25	1990	1982
70	46	18871	46	-67.8	-57.9	-76.9			35	094	1.8	6.7	117.11	2.31	1985	1982
60	42	19803	42	-63.4	-53.1	-72.1			29	071	1.9	7.1	146.01	2.74	1990	1982
50	36	20933	36	-58.5	-48.9	-66.1			23	082	1.0	7.5	206.02	3.65	1987	1982
40	30	22373	30	-53.7	-42.7	-60.1			18	062	6.0	10.1	247.03	3.51	1987	1982
30	25	24284	25	-49.6	-38.5	-56.1			12	081	8.9	13.2	144.19	2.83	1989	1989
25	21	25434	21	-47.3	-36.1	-54.1			9	076	7.3	13.3	147.30	2.72	1989	1989
20	19	26965	19	-44.8	-34.1	-52.3			7	088	9.7	13.5			1989	1989
15	15	28862	15	-42.4	-30.7	-49.5			4	087	18.3	18.5			1989	1989
10	11	31574	11	-40.5	-30.9	-45.7			4	095	16.8	17.0			1990	1989
7	5	33873	5	-38.5	-35.5	-41.5			2	091	15.4	15.5			1988	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
248	555	503					50	100	1683	-76.9

NORMALS OF RADIOSONDE DATA

43185 MACHILIPATNAM

DECEMBER 1982-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	279	1013	279	21.2	25.6	17.6	279	19.3	279	058	3.5	4.0	0.88	0.59	1986	1989
1000	250	122	249	21.4	26.2	18.0	249	19.0	248	060	4.8	5.5	7.94	0.50	1982	1988
950	250	556	248	20.8	28.6	13.4	248	16.7	248	078	6.0	6.7	11.97	0.88	1990	1988
900	250	1034	249	17.9	26.8	10.4	249	12.1	248	078	5.8	6.5	7.59	0.90	1990	1988
850	250	1522	250	15.3	26.2	8.0	241	7.2	248	074	4.9	6.5	7.90	0.99	1990	1988
800	250	2035	250	13.3	23.0	5.8	219	2.0	248	080	3.8	5.7	8.35	1.31	1990	1983
750	250	2576	250	11.4	21.4	3.0	156	-0.5	248	078	2.4	5.3	12.85	1.30	1990	1984
700	250	3150	248	9.1	20.0	2.0	119	-3.2	248	063	1.8	5.5	10.46	1.25	1990	1988
650	247	3759	245	6.0	15.8	-0.3	103	-7.4	245	045	1.0	5.7	13.30	1.24	1990	1988
600	246	4412	245	2.7	11.6	-5.5	78	-9.5	243	356	0.7	6.4	14.51	1.41	1985	1989
550	242	5115	242	-1.2	9.8	-10.1	64	-13.2	238	312	1.5	6.7	20.97	1.48	1990	1989
500	241	5865	241	-5.7	6.6	-16.3	54	-17.1	236	285	2.5	7.6	21.59	1.56	1990	1985
450	234	6685	234	-10.6	-0.3	-18.1	49	-21.6	229	279	4.3	9.0	28.32	1.53	1990	1988
400	232	7584	232	-16.3	-6.5	-24.7	36	-27.0	227	276	6.5	10.5	31.82	1.72	1990	1988
350	220	8573	220	-22.9	-10.3	-32.1	25	-32.9	212	276	9.3	12.7	39.52	1.85	1988	1988
300	214	9688	214	-30.8	-19.1	-41.7	14	-41.2	203	267	11.5	14.5	41.55	1.85	1989	1988
250	196	10960	196	-40.2	-26.7	-50.3			184	258	13.1	17.0	49.59	2.16	1986	1983
200	168	12445	168	-51.9	-41.5	-65.1			155	249	15.3	18.5	66.84	2.68	1989	1983
175	138	13305	137	-58.0	-45.9	-71.3			122	250	14.9	18.3	88.02	3.28	1989	1983
150	111	14269	110	-64.4	-50.1	-76.5			95	252	14.0	16.9	103.53	3.71	1986	1983
125	71	15398	70	-70.0	-52.1	-79.9			58	257	11.6	13.2	162.40	4.27	1990	1983
100	57	16736	56	-74.4	-53.5	-86.1			44	244	6.7	11.5	144.46	4.40	1990	1982
80	50	18024	50	-73.3	-60.9	-84.9			37	237	1.9	8.7	139.11	3.89	1989	1982
70	46	18842	46	-69.6	-58.9	-79.3			33	280	2.2	9.0	167.24	4.02	1989	1987
60	41	19761	41	-65.3	-55.7	-76.9			25	317	2.1	7.7	120.32	2.60	1989	1987
50	39	20893	39	-60.3	-51.9	-69.9			23	070	1.3	7.2	110.05	2.48	1989	1987
40	32	22299	32	-54.9	-48.1	-63.7			18	294	2.4	6.5	131.32	1.31	1989	1987
30	30	24170	30	-50.2	-42.3	-56.1			16	285	4.4	9.8	139.95	1.04	1989	1989
25	25	25297	25	-48.4	-41.5	-54.1			13	300	5.1	10.6	128.60	1.02	1989	1989
20	22	26818	22	-46.1	-40.7	-51.7			10	298	4.8	10.0	120.60	1.41	1989	1989
15	12	28710	12	-44.5	-41.1	-48.7			4	290	6.2	7.5			1982	1989
10	6	31543	6	-40.2	-36.9	-44.5			2	303	5.2	6.5			1982	1989

FREEZING LEVEL

N	P	ALT
243	566	490

1ST TROPOPAUSE

N	P	ALT	T
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2ND TROPOPAUSE

N	P	ALT	T
54	095	1710	-76.2

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

JANUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	360	1003	360	9.8	15.8	4.2	360	9.2	360	050	0.4	0.4	1.19	0.81	1986	1983
1000	286	139	254	10.2	16.6	5.0	254	8.8	248	044	0.8	0.9	9.49	1.12	1982	1979
950	286	545	286	14.2	23.8	6.2	286	7.5	272	042	2.8	3.3	17.18	1.04	1990	1983
900	286	1026	286	12.1	20.4	4.2	284	4.3	273	054	1.6	2.7	10.34	1.06	1990	1983
850	286	1504	286	9.3	17.8	1.6	282	0.7	274	092	0.6	2.7	12.31	1.23	1990	1983
800	286	2004	285	6.1	15.2	-2.3	273	-2.9	273	173	0.6	3.3	14.16	1.33	1988	1983
750	286	2526	284	2.6	9.8	-5.7	259	-6.0	272	201	1.2	4.0	12.05	1.33	1986	1983
700	286	3085	285	-0.9	9.0	-9.1	232	-9.2	274	232	1.7	5.0	20.51	1.36	1988	1983
650	283	3670	283	-4.2	9.2	-13.1	210	-12.6	256	252	4.1	6.8	25.30	1.56	1983	1983
600	281	4301	279	-6.6	9.6	-16.7	172	-16.2	235	259	9.1	11.1	27.63	1.95	1990	1983
550	279	4997	276	-9.2	5.8	-19.3	120	-20.4	211	264	14.1	15.8	27.18	2.18	1990	1983
500	275	5710	273	-13.0	0.2	-23.5	77	-24.6	199	268	17.7	19.0	33.60	2.35	1990	1989
450	272	6512	270	-18.1	0.2	-29.1	56	-29.5	176	271	22.5	23.8	34.54	2.39	1990	1989
400	265	7377	262	-23.9	-5.5	-36.1	33	-35.3	149	271	27.7	29.3	40.98	2.42	1990	1983
350	259	8347	256	-29.8	-11.9	-43.7	18	-41.4	119	269	33.7	35.4	44.59	2.72	1990	1983
300	248	9429	246	-36.1	-19.3	-51.3	2	-38.3	95	266	41.3	43.6	57.36	3.27	1990	1983
250	233	10671	232	-43.4	-30.1	-57.3	2	-43.5	75	261	49.8	52.3	63.73	3.00	1981	1983
200	202	12144	202	-51.5	-41.1	-62.7			54	260	54.6	56.8	69.97	2.60	1981	1982
175	175	12990	175	-55.9	-45.3	-65.1			45	258	51.3	53.6	77.05	2.69	1985	1982
150	163	13955	163	-60.1	-49.3	-72.7			42	258	50.2	51.8	90.53	2.93	1983	1987
125	135	15070	135	-64.4	-53.5	-75.9			34	261	42.7	44.0	93.19	3.23	1983	1987
100	117	16423	117	-68.5	-57.1	-79.3			28	264	32.7	34.1	85.04	3.56	1983	1981
80	96	17767	96	-68.3	-57.9	-80.7			24	261	19.2	21.6	98.98	2.80	1983	1982
70	91	18569	91	-66.6	-54.1	-76.9			19	277	12.0	16.3	108.23	2.11	1980	1982
60	83	19504	83	-62.9	-50.3	-73.9			16	269	6.4	12.1	133.63	4.70	1980	1988
50	70	20658	70	-58.3	-47.5	-69.9			8	232	1.5	9.4	154.51	5.22	1983	1988
40	59	22080	59	-54.3	-44.9	-65.7			3	180	16.9	22.7	190.75	4.45	1986	1987
30	42	23914	42	-51.6	-38.1	-62.1			2	285	5.3	5.5	238.06	5.78	1986	1987
25	37	25068	36	-50.4	-44.7	-59.7			2	188	2.0	6.0	186.51	2.27	1983	1987
20	28	26568	27	-49.0	-43.3	-56.9			2	098	11.5	11.5	177.52	2.25	1981	1987
15	12	28566	12	-47.2	-40.5	-52.9									1987	1987
10	8	31210	8	-45.5	-38.1	-48.9									1987	1987
7	1	33520	1	-46.9	-46.9	-46.9									1987	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
283	709	298	39	237	1108	-52.3	100	100	1644	-70.1

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

FEBRUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	327	1001	327	12.9	18.4	6.0	327	11.6	327	047	1.0	1.1	1.38	0.96	1981	1983
1000	271	118	189	12.8	17.8	6.8	187	10.9	188	046	1.0	1.0	11.41	1.47	1987	1983
950	271	531	271	15.1	22.2	8.2	269	8.9	258	049	3.4	4.2	15.86	1.27	1987	1989
900	271	1009	270	12.8	20.4	5.0	268	5.6	258	069	1.0	3.3	12.00	1.23	1988	1982
850	271	1488	270	9.6	17.0	1.0	266	2.7	259	211	1.8	3.8	13.13	1.25	1988	1982
800	271	1989	271	6.2	13.6	-2.9	263	-0.4	259	219	3.3	5.0	14.92	1.27	1988	1982
750	271	2512	271	2.6	10.4	-5.1	258	-3.6	259	230	4.5	5.9	17.73	1.34	1988	1982
700	271	3069	270	-1.1	7.0	-7.7	253	-7.4	259	237	5.3	6.8	18.58	1.48	1988	1982
650	270	3652	266	-4.5	2.8	-11.9	232	-11.0	220	249	7.1	8.7	22.87	1.69	1988	1983
600	267	4286	260	-7.2	2.8	-14.7	194	-14.4	198	258	10.4	12.0	22.63	2.03	1981	1982
550	262	4981	258	-9.8	4.8	-19.7	157	-19.2	171	263	15.5	17.1	33.25	2.31	1984	1982
500	259	5693	257	-13.5	0.2	-25.1	98	-24.3	156	264	18.9	20.6	34.24	2.20	1985	1982
450	254	6492	253	-18.6	-5.5	-30.3	67	-29.2	137	267	21.6	23.0	41.69	2.48	1984	1982
400	247	7357	246	-24.5	-10.5	-36.1	45	-34.6	123	269	25.8	27.2	43.77	2.76	1985	1979
350	238	8323	236	-30.9	-11.7	-43.7	22	-40.3	100	267	31.4	33.1	58.34	3.48	1985	1979
300	223	9394	220	-37.6	-23.9	-51.7	8	-44.5	75	268	38.1	39.9	66.76	3.07	1989	1979
250	204	10641	201	-44.0	-29.3	-58.7	1	-41.9	60	266	45.5	47.4	83.37	3.29	1986	1979
200	179	12115	178	-51.0	-36.7	-61.7			44	266	49.3	51.1	89.08	2.68	1986	1979
175	158	12976	158	-54.9	-43.3	-63.7			36	266	45.6	47.1	99.10	2.21	1986	1981
150	142	13945	142	-59.8	-47.9	-68.5			33	265	43.1	43.9	111.81	2.30	1986	1982
125	128	15074	128	-64.6	-55.1	-73.5			29	262	36.8	37.6	138.73	2.24	1986	1979
100	117	16425	117	-68.2	-58.3	-76.7			25	267	25.5	26.2	192.92	2.65	1982	1985
80	96	17750	96	-68.9	-55.1	-80.9			18	267	13.5	14.4	100.45	4.46	1980	1981
70	89	18551	88	-66.8	-49.5	-79.9			15	268	7.2	10.2	96.20	4.06	1980	1987
60	86	19489	85	-62.6	-51.7	-77.9			15	315	2.4	6.5	83.34	3.61	1980	1987
50	78	20623	78	-58.1	-45.1	-69.9			14	224	2.0	6.1	88.27	3.85	1981	1987
40	68	22046	68	-53.8	-40.9	-67.9			12	079	2.3	5.6	101.78	3.53	1983	1987
30	53	23909	53	-50.5	-35.9	-61.1			9	086	9.0	10.5	123.27	3.23	1981	1987
25	37	25087	37	-50.0	-39.9	-62.5			6	075	9.6	9.8	110.76	2.67	1980	1982
20	24	26545	24	-48.7	-40.3	-56.3			2	102	14.4	14.5	132.87	2.54	1981	1987
15	14	28403	14	-48.0	-41.1	-53.1			1	120	18.0	18.0			1987	1982
10	5	31124	5	-47.1	-45.3	-51.1									1986	1987
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
270	712	293	38	228	1125	-53.9		102	101	1636	-70.3

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

MARCH 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	359	999	359	16.6	21.8	9.6	359	14.6	359	048	1.3	1.5	1.66	0.88	1984	1983
<i>1000</i>	331	99	119	15.5	19.6	11.2	119	13.4	110	047	1.4	1.6	13.75	1.24	1988	1983
<i>950</i>	330	515	330	17.7	26.0	8.2	328	11.2	303	048	4.1	5.1	12.15	0.83	1981	1987
<i>900</i>	330	1000	330	15.7	23.0	7.8	328	8.1	303	077	1.7	4.2	11.42	1.02	1981	1988
<i>850</i>	330	1483	329	12.7	19.4	5.0	328	5.3	304	207	2.2	4.4	10.02	0.99	1981	1982
<i>800</i>	330	1991	330	9.2	16.4	2.2	325	2.5	301	227	4.4	5.7	8.55	0.87	1988	1982
<i>750</i>	330	2517	329	5.5	12.6	-1.3	321	-0.2	303	235	6.5	7.5	10.50	0.81	1981	1982
<i>700</i>	330	3084	329	1.7	8.8	-5.5	324	-3.8	303	240	8.0	9.0	7.37	0.76	1985	1982
<i>650</i>	329	3672	327	-1.8	6.8	-11.3	310	-8.1	252	248	9.0	9.9	8.98	0.86	1984	1983
<i>600</i>	326	4312	322	-5.1	3.4	-12.9	271	-11.7	223	254	10.6	11.9	8.61	0.90	1985	1986
<i>550</i>	323	5013	322	-6.0	0.0	-16.9	221	-15.7	197	263	14.3	15.5	18.09	0.97	1985	1980
<i>500</i>	319	5729	319	-11.9	-2.9	-22.3	167	-21.4	186	266	16.3	17.8	10.57	1.16	1989	1982
<i>450</i>	317	6532	316	-17.1	-7.1	-28.9	123	-26.9	163	268	18.0	19.9	17.27	1.19	1988	1982
<i>400</i>	312	7403	311	-23.3	-12.9	-36.1	88	-32.3	156	268	20.3	21.9	15.80	1.23	1986	1982
<i>350</i>	308	8375	307	-30.0	-18.3	-44.3	63	-38.9	137	268	25.3	27.4	24.19	1.60	1985	1982
<i>300</i>	296	9453	291	-37.3	-23.1	-50.9	29	-43.3	121	265	30.6	34.1	28.08	2.09	1980	1982
<i>250</i>	272	10693	265	-44.8	-31.5	-58.7	2	-46.9	92	264	38.8	41.4	39.99	2.61	1985	1987
<i>200</i>	254	12164	250	-51.7	-41.3	-64.5			77	261	42.0	44.0	54.73	2.70	1983	1981
<i>175</i>	233	13018	230	-55.5	-43.5	-68.9			67	261	39.9	43.3	59.01	2.44	1990	1981
<i>150</i>	198	13986	196	-59.4	-44.7	-70.3			60	261	38.3	39.8	70.68	2.85	1990	1989
<i>125</i>	162	15119	162	-63.8	-51.1	-75.3			50	261	34.2	35.6	115.39	3.01	1990	1982
<i>100</i>	145	16471	145	-67.8	-58.9	-78.1			46	261	26.7	28.1	128.27	3.58	1990	1982
<i>80</i>	116	17806	116	-67.9	-56.1	-79.9			31	261	14.4	15.2	71.87	2.58	1986	1982
<i>70</i>	109	18622	109	-66.4	-54.9	-78.9			26	267	11.3	12.2	73.11	2.69	1986	1982
<i>60</i>	97	19559	97	-62.7	-48.3	-75.3			25	271	4.9	8.0	83.83	2.93	1986	1987
<i>50</i>	81	20682	81	-58.2	-49.7	-69.9			17	291	2.6	7.8	89.11	3.03	1981	1984
<i>40</i>	70	22101	70	-53.3	-45.1	-66.1			18	005	1.9	6.5	91.58	3.47	1981	1987
<i>30</i>	53	24000	53	-48.3	-39.1	-59.3			13	097	3.8	8.8	102.04	3.68	1981	1987
<i>25</i>	36	25203	36	-47.1	-38.1	-56.9			7	077	8.0	8.8	101.05	3.39	1981	1987
<i>20</i>	23	26696	23	-45.5	-34.9	-53.7			6	080	8.2	9.7	215.76	3.57	1986	1987
<i>15</i>	12	28570	12	-43.5	-35.5	-50.1			2	085	15.4	16.0			1983	1980
<i>10</i>	3	31199	3	-41.6	-40.3	-43.5									1986	1986
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

329 674 339 80 227 1132 -54.0 122 102 1641 -69.3

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

APRIL 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	337	996	337	19.5	26.0	13.2	337	17.5	337	048	1.7	1.9	1.29	0.67	1987	1983
<i>1000</i>	322	77	27	19.2	26.0	13.2	27	15.7	24	042	1.5	2.3	9.84	1.57	1987	1983
<i>950</i>	305	493	304	19.7	26.8	13.8	304	15.2	263	055	4.7	5.4	12.85	0.92	1979	1983
<i>900</i>	305	984	305	17.9	25.4	9.8	305	12.6	264	081	2.0	4.4	9.72	1.03	1979	1981
<i>850</i>	305	1472	305	15.3	22.0	7.8	305	10.1	267	199	2.2	4.7	10.10	1.04	1979	1983
<i>800</i>	305	1984	305	12.2	18.8	5.6	305	7.4	268	224	4.5	6.1	10.36	1.05	1981	1983
<i>750</i>	305	2516	304	8.9	15.2	3.4	304	4.1	267	238	6.3	7.5	14.00	1.03	1980	1981
<i>700</i>	305	3091	304	5.4	11.6	-0.5	302	0.6	268	246	7.6	8.8	13.31	1.02	1980	1982
<i>650</i>	302	3690	299	1.8	8.2	-4.3	293	-3.4	207	249	7.5	8.8	18.33	1.12	1985	1982
<i>600</i>	299	4336	294	-1.7	5.6	-8.7	279	-7.5	185	251	8.4	10.0	15.93	1.00	1985	1983
<i>550</i>	298	5041	294	-5.2	2.8	-10.9	253	-12.0	175	257	8.1	10.3	22.33	0.90	1985	1982
<i>500</i>	292	5769	288	-9.2	-1.3	-16.9	216	-17.7	166	261	8.8	11.5	19.56	0.97	1985	1982
<i>450</i>	291	6579	289	-14.1	-6.7	-22.5	166	-23.1	142	264	9.9	12.5	22.80	1.14	1985	1983
<i>400</i>	284	7463	281	-20.1	-12.1	-30.1	129	-28.8	130	264	12.2	14.6	24.32	1.26	1986	1983
<i>350</i>	277	8447	274	-26.9	-16.9	-38.7	93	-34.9	119	262	16.3	18.6	33.68	1.48	1989	1983
<i>300</i>	268	9540	266	-34.0	-23.5	-42.5	56	-41.2	103	263	22.8	25.4	33.66	2.25	1989	1983
<i>250</i>	250	10799	248	-42.2	-30.3	-52.9	12	-45.8	92	265	30.3	32.4	43.09	2.58	1984	1982
<i>200</i>	221	12280	220	-51.1	-40.7	-65.9			77	264	34.3	35.7	54.32	1.81	1984	1982
<i>175</i>	200	13135	200	-55.5	-44.7	-69.9			66	264	35.0	36.2	57.33	1.44	1984	1982
<i>150</i>	180	14109	179	-59.8	-48.1	-70.7			57	267	30.9	32.1	65.79	1.21	1986	1979
<i>125</i>	150	15232	149	-64.3	-52.3	-74.1			52	268	25.6	26.7	66.86	2.95	1986	1989
<i>100</i>	127	16583	127	-68.8	-60.7	-80.3			47	268	19.3	20.5	66.02	1.73	1984	1982
<i>80</i>	108	17919	107	-69.8	-58.5	-82.9			35	282	10.8	14.0	79.36	2.51	1987	1982
<i>70</i>	100	18725	100	-68.2	-57.3	-78.1			29	294	7.7	11.3	80.39	3.71	1987	1984
<i>60</i>	91	19662	91	-65.1	-53.5	-76.3			28	310	4.7	9.2	88.73	4.60	1987	1988
<i>50</i>	82	20774	82	-60.5	-48.5	-76.1			18	028	3.1	8.8	86.85	5.60	1987	1988
<i>40</i>	70	22188	70	-55.3	-44.5	-68.9			14	059	3.6	7.2	112.12	5.45	1981	1988
<i>30</i>	57	24041	57	-50.3	-37.9	-61.9			9	096	3.4	7.3	133.80	4.40	1984	1985
<i>25</i>	42	25208	42	-47.8	-35.9	-60.3			5	168	2.3	5.0	148.10	3.23	1987	1985
<i>20</i>	29	26698	29	-45.2	-30.5	-58.5			1	005	2.0	2.0	180.00	3.25	1987	1985
<i>15</i>	16	28594	15	-43.1	-37.3	-55.9									1987	1985
<i>10</i>	6	31266	6	-44.0	-38.1	-54.9									1987	1985
<i>7</i>	3	33595	3	-40.4	-32.1	-50.1									1987	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
295	624	403	38	198	1239	-56.4		108	094	1703	-71.4

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

MAY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	359	994	359	22.9	29.8	17.6	359	21.2	359	046	1.1	1.4	1.47	0.66	1989	1989
1000	332	56	1	25.8	25.8	25.8	1	19.4	1	041	4.0	4.0	12.13		1987	1987
950	331	476	331	22.6	30.0	15.4	331	18.4	272	055	3.1	4.1	17.46	0.70	1982	1983
900	331	973	331	20.5	27.8	11.6	331	15.7	277	084	1.5	3.6	12.38	0.79	1982	1987
850	331	1466	330	17.9	24.8	10.4	330	13.0	279	196	1.6	3.7	11.70	0.75	1982	1987
800	331	1984	330	14.9	21.8	8.2	328	9.8	277	221	2.8	4.5	11.27	0.70	1982	1983
750	331	2517	330	11.6	18.6	5.8	328	6.2	275	228	3.8	5.3	13.25	0.64	1990	1987
700	331	3102	330	8.3	17.2	2.6	326	3.0	278	235	4.6	6.2	10.28	0.77	1990	1986
650	328	3709	328	5.0	13.2	-0.7	319	-0.6	226	243	4.6	6.1	16.75	0.80	1985	1987
600	323	4361	323	1.5	10.0	-5.3	307	-4.4	206	247	4.8	6.8	12.33	0.81	1985	1984
550	317	5072	316	-2.2	5.2	-8.1	288	-9.0	191	254	6.2	8.5	21.07	0.79	1990	1984
500	312	5811	310	-6.1	2.0	-13.7	245	-14.1	184	259	7.2	9.8	15.77	0.79	1989	1984
450	309	6635	308	-10.6	-1.3	-18.3	211	-19.4	167	262	8.2	10.9	21.17	0.81	1985	1984
400	305	7527	304	-15.9	-6.7	-24.7	170	-24.9	156	264	10.0	12.7	17.44	0.87	1985	1987
350	299	8525	299	-22.2	-10.7	-33.1	126	-31.3	137	261	13.5	16.1	18.95	0.98	1985	1987
300	290	9640	287	-29.6	-16.3	-42.9	77	-37.9	123	260	18.8	20.6	21.99	1.26	1985	1987
250	265	10914	263	-38.6	-29.9	-50.5	30	-43.6	102	262	24.2	25.7	27.06	1.65	1985	1987
200	240	12418	238	-49.1	-39.1	-59.7			91	264	27.3	28.8	41.31	2.05	1990	1987
175	217	13281	216	-55.1	-44.3	-65.3			80	265	24.9	26.9	44.68	2.03	1988	1987
150	197	14247	197	-61.3	-51.3	-72.3			76	264	21.7	24.2	52.80	2.28	1985	1979
125	178	15355	178	-67.8	-55.9	-81.1			68	271	16.8	19.6	70.41	3.66	1987	1979
100	151	16672	151	-73.1	-62.9	-86.3			58	281	9.4	12.9	75.49	3.17	1983	1979
80	127	17969	127	-72.3	-63.5	-84.1			48	332	2.1	9.0	84.20	3.05	1983	1979
70	112	18765	112	-68.9	-59.1	-77.0			39	028	3.6	8.3	91.78	3.50	1984	1978
60	96	19701	96	-64.3	-53.3	-76.1			30	074	4.0	7.7	104.51	4.76	1981	1983
50	86	20836	85	-58.7	-44.5	-74.0			21	086	6.4	8.9	93.26	6.71	1981	1978
40	71	22266	71	-52.7	-40.9	-67.9			17	077	4.9	8.9	112.19	6.21	1981	1988
30	50	24115	49	-47.5	-35.3	-57.1			8	073	8.3	10.9	149.84	4.49	1986	1983
25	36	25298	36	-45.1	-34.7	-53.7			4	087	9.2	9.5	139.19	3.46	1984	1983
20	23	26817	23	-43.6	-34.3	-49.5							184.17	3.94	1986	1984
15	18	28758	18	-41.3	-30.5	-47.7									1986	1984
10	10	31503	10	-38.2	-33.5	-45.1									1985	1984
7	7	33902	7	-36.4	-29.7	-43.1									1985	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

320	579	465		5	194	1254	-52.9		138	101	1666	-74.5
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NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

JUNE 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	359	989	359	25.2	30.8	21.6	359	23.9	359	050	1.0	1.4	1.44	0.51	1989	1985
<i>1000</i>	301	14											10.09			
<i>950</i>	300	441	300	24.6	30.2	18.8	300	22.0	231	059	2.4	4.1	17.12	0.71	1979	1982
<i>900</i>	300	941	300	22.7	29.8	15.0	300	19.6	232	122	1.0	4.1	10.34	0.70	1990	1979
<i>850</i>	300	1438	300	20.2	26.8	12.8	300	17.1	231	207	2.0	4.4	10.90	0.65	1990	1979
<i>800</i>	300	1961	300	17.4	23.8	10.4	300	14.2	229	213	2.8	5.0	10.97	0.65	1988	1981
<i>750</i>	300	2509	300	14.4	22.0	7.8	300	11.1	226	221	3.2	5.5	10.95	0.61	1978	1981
<i>700</i>	300	3092	300	11.3	18.4	5.2	300	7.8	228	224	3.8	6.0	12.50	0.57	1988	1981
<i>650</i>	299	3708	298	8.2	13.8	1.6	298	4.0	175	218	3.4	5.7	11.56	0.53	1986	1979
<i>600</i>	295	4366	294	4.8	11.2	-4.9	290	0.1	155	225	3.8	6.6	14.02	0.48	1984	1979
<i>550</i>	289	5093	288	1.3	7.4	-5.9	280	-3.8	146	231	4.0	7.2	22.35	0.45	1985	1983
<i>500</i>	281	5834	280	-2.5	4.8	-11.7	264	-8.5	138	236	5.2	8.5	17.30	0.48	1990	1983
<i>450</i>	275	6675	274	-6.7	3.6	-12.9	247	-13.8	122	245	5.8	8.2	21.53	0.66	1990	1988
<i>400</i>	270	7579	269	-11.6	-1.1	-19.7	222	-19.4	113	246	6.2	8.1	21.23	0.89	1990	1985
<i>350</i>	260	8593	259	-17.8	-7.1	-27.5	186	-26.0	103	250	6.6	8.7	20.73	0.86	1990	1987
<i>300</i>	250	9728	250	-25.3	-17.5	-35.5	139	-34.0	95	249	7.3	9.2	24.03	0.99	1984	1985
<i>250</i>	242	11026	242	-35.0	-27.1	-48.1	75	-43.0	84	253	8.5	10.2	28.79	1.42	1986	1985
<i>200</i>	223	12541	223	-47.5	-38.9	-59.1			75	265	9.1	11.7	35.78	1.76	1983	1990
<i>175</i>	198	13411	198	-54.7	-45.9	-64.9			67	276	9.1	11.7	49.44	2.21	1983	1981
<i>150</i>	179	14376	179	-62.3	-52.7	-71.1			59	293	8.8	12.0	55.51	2.28	1983	1982
<i>125</i>	156	15478	156	-70.1	-59.5	-80.1			56	313	6.0	10.4	65.25	2.34	1983	1982
<i>100</i>	135	16789	135	-75.0	-66.9	-82.3			47	010	6.1	10.6	77.51	1.36	1983	1982
<i>80</i>	120	18092	120	-73.4	-61.9	-82.5			39	056	8.6	11.1	81.39	2.14	1986	1982
<i>70</i>	109	18881	108	-70.1	-57.5	-80.1			35	075	10.3	12.1	79.47	2.94	1986	1987
<i>60</i>	92	19817	91	-64.2	-52.1	-78.9			31	086	11.3	11.8	101.71	2.68	1986	1981
<i>50</i>	85	20951	85	-57.9	-47.5	-71.1			22	075	11.4	11.9	123.70	2.84	1986	1981
<i>40</i>	69	22376	69	-52.7	-43.1	-63.1			16	087	12.2	12.5	100.97	2.71	1981	1981
<i>30</i>	48	24231	48	-48.6	-41.1	-57.5			7	094	15.4	15.7	117.41	2.33	1982	1981
<i>25</i>	40	25413	40	-45.9	-37.9	-56.5			3	083	14.3	14.7	140.54	1.71	1986	1981
<i>20</i>	25	26943	25	-42.9	-32.9	-55.1							195.07	4.95	1986	1981
<i>15</i>	18	28895	18	-39.2	-30.1	-53.3									1988	1981
<i>10</i>	3	31645	3	-35.5	-30.1	-39.1									1983	1985
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
287	532	535					130	100	1684	-75.8

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

JULY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	372	990	372	25.2	31.4	21.0	372	24.4	372	060	0.6	1.2	0.87	0.28	1979	1978
<i>1000</i>	313	21							1	237	7.0	7.0	5.63			
<i>950</i>	313	446	313	24.3	30.0	20.0	313	22.6	192	120	1.1	4.2	10.90	0.28	1978	1983
<i>900</i>	313	946	313	22.5	29.4	16.4	313	20.2	193	205	2.7	5.2	5.73	0.28	1983	1990
<i>850</i>	313	1444	313	20.0	26.8	12.2	313	17.8	193	217	3.8	5.8	5.94	0.31	1983	1990
<i>800</i>	313	1966	312	17.4	22.4	11.2	312	15.2	192	223	4.4	6.2	5.82	0.37	1988	1990
<i>750</i>	313	2517	312	14.6	19.8	9.2	311	12.4	189	227	4.3	6.1	8.70	0.32	1982	1990
<i>700</i>	313	3099	313	11.7	17.4	5.0	313	9.1	190	234	4.3	6.5	6.76	0.45	1989	1984
<i>650</i>	308	3716	305	8.6	14.0	2.0	305	5.6	134	233	3.2	5.8	6.71	0.61	1989	1984
<i>600</i>	304	4378	301	5.3	11.0	-2.1	300	1.9	121	234	3.0	5.7	10.83	0.75	1989	1985
<i>550</i>	297	5104	294	1.8	8.0	-4.7	292	-1.8	115	235	3.2	6.0	18.46	0.87	1985	1990
<i>500</i>	289	5850	287	-1.8	3.6	-6.9	285	-6.2	107	248	2.5	6.2	12.13	1.02	1984	1979
<i>450</i>	278	6691	277	-6.1	0.2	-11.5	273	-11.8	86	271	1.9	5.8	19.24	1.17	1984	1979
<i>400</i>	273	7600	273	-11.0	-4.9	-18.0	247	-17.9	83	269	2.0	6.0	20.03	1.23	1983	1978
<i>350</i>	268	8619	268	-17.0	-9.7	-27.0	221	-25.2	82	286	0.8	6.1	27.87	1.46	1983	1978
<i>300</i>	257	9755	257	-24.6	-17.1	-35.0	170	-33.1	82	008	1.0	6.8	30.32	1.63	1984	1978
<i>250</i>	244	11059	244	-34.2	-25.7	-46.3	88	-42.3	76	028	2.3	7.4	38.41	1.99	1984	1990
<i>200</i>	224	12582	223	-46.8	-36.5	-59.9	2	-47.6	70	053	3.3	9.1	45.21	2.34	1984	1990
<i>175</i>	206	13450	205	-54.3	-45.5	-66.9			66	041	4.8	10.3	57.59	2.60	1983	1990
<i>150</i>	181	14415	180	-62.1	-51.9	-72.3			62	045	6.2	11.3	70.13	2.73	1983	1981
<i>125</i>	158	15515	158	-70.2	-59.7	-78.1			57	055	7.5	11.2	86.10	2.81	1983	1990
<i>100</i>	130	16816	129	-74.6	-62.5	-82.0			50	057	11.2	12.9	95.39	2.43	1985	1978
<i>80</i>	106	18122	105	-71.5	-59.3	-81.0			36	069	15.0	15.7	93.86	4.02	1981	1978
<i>70</i>	103	18918	103	-67.3	-52.5	-79.0			35	075	16.8	17.6	123.61	5.02	1981	1978
<i>60</i>	89	19859	88	-62.0	-47.5	-76.0			29	081	16.3	17.0	111.01	5.24	1981	1978
<i>50</i>	79	21001	78	-56.7	-41.5	-66.7			25	079	17.4	17.6	131.16	4.34	1981	1982
<i>40</i>	64	22410	63	-52.5	-40.9	-61.1			25	085	19.8	20.1	107.03	3.88	1981	1982
<i>30</i>	46	24238	46	-48.8	-36.7	-58.0			21	088	20.9	21.2	108.36	4.64	1985	1978
<i>25</i>	33	25417	33	-47.2	-38.9	-53.1			13	091	20.4	20.7	94.81	3.78	1986	1984
<i>20</i>	12	26962	12	-44.7	-36.7	-52.3			1	108	27.0	27.0			1981	1984
<i>15</i>	11	28875	11	-42.5	-31.1	-50.5			1	091	17.0	17.0			1983	1984
<i>10</i>	6	31520	6	-41.9	-34.5	-47.9									1984	1982
<i>7</i>	3	34001	3	-36.4	-33.5	-40.1									1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

291 524 548

1 158 1390 -71.9

122 105 1558 -75.7

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

AUGUST 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	990	390	25.7	30.6	22.0	390	24.5	390	060	0.6	1.2	1.04	0.26	1979	1987
<i>1000</i>	344	25											9.75			
<i>950</i>	343	451	342	25.0	31.4	19.8	342	22.6	243	073	1.4	3.9	6.94	0.60	1979	1983
<i>900</i>	343	952	343	23.2	29.6	17.2	343	20.1	246	135	0.4	4.0	8.99	0.85	1985	1983
<i>850</i>	343	1451	342	20.7	26.6	14.2	342	17.5	246	195	0.9	4.0	8.65	0.76	1985	1983
<i>800</i>	343	1974	342	18.0	23.8	11.2	341	14.6	246	206	1.2	3.9	8.85	0.83	1985	1983
<i>750</i>	343	2524	341	15.1	20.8	8.2	340	11.6	243	204	1.7	4.2	8.58	0.91	1985	1983
<i>700</i>	343	3108	340	12.0	18.8	5.4	340	8.2	245	205	2.2	4.7	9.45	0.76	1985	1983
<i>650</i>	337	3723	332	8.6	16.2	2.6	331	4.6	182	197	1.9	4.3	12.35	0.66	1985	1983
<i>600</i>	328	4386	323	5.3	13.8	0.0	321	1.2	155	187	2.1	4.6	11.01	0.67	1985	1983
<i>550</i>	323	5115	321	1.5	7.8	-4.3	318	-2.9	136	176	1.7	4.5	19.82	0.69	1988	1983
<i>500</i>	316	5855	312	-2.3	4.4	-8.0	306	-7.4	126	156	0.9	4.7	13.03	0.76	1986	1978
<i>450</i>	303	6694	299	-6.4	0.0	-13.7	287	-12.8	107	156	0.6	4.9	19.47	0.83	1988	1989
<i>400</i>	295	7601	291	-11.3	-5.9	-21.3	257	-18.9	94	088	0.7	5.0	19.58	0.93	1988	1989
<i>350</i>	287	8622	285	-17.2	-11.5	-25.5	213	-25.7	83	074	1.6	5.7	22.73	1.07	1989	1983
<i>300</i>	282	9757	282	-24.8	-17.1	-33.0	156	-33.4	71	064	1.9	5.8	27.90	1.34	1989	1978
<i>250</i>	266	11057	266	-34.5	-25.3	-43.0	77	-42.9	67	053	2.3	6.7	34.50	1.72	1989	1978
<i>200</i>	243	12572	243	-47.2	-38.3	-57.0			61	068	2.7	7.5	47.03	2.14	1984	1978
<i>175</i>	229	13439	229	-54.9	-47.1	-64.9			59	059	3.6	8.3	58.21	2.10	1984	1981
<i>150</i>	208	14403	208	-62.8	-52.5	-72.7			57	052	5.5	9.4	71.56	2.31	1990	1979
<i>125</i>	174	15501	174	-70.0	-61.9	-81.1			51	063	7.8	10.7	95.89	2.79	1984	1981
<i>100</i>	140	16816	140	-74.1	-67.1	-83.1			45	070	12.5	14.0	126.79	2.38	1983	1981
<i>80</i>	116	18128	116	-70.6	-58.5	-83.0			35	077	15.9	16.1	142.40	3.17	1985	1978
<i>70</i>	109	18928	109	-66.5	-54.1	-79.0			28	082	17.3	17.6	147.32	3.18	1981	1978
<i>60</i>	98	19885	98	-61.5	-53.7	-71.0			19	080	16.5	16.8	146.84	3.48	1985	1978
<i>50</i>	83	21027	83	-56.1	-49.9	-64.1			13	085	17.2	17.4	164.71	2.48	1985	1984
<i>40</i>	67	22446	67	-52.3	-41.1	-60.1			10	085	19.7	19.9	192.83	4.43	1987	1990
<i>30</i>	46	24298	46	-48.5	-36.7	-56.1			9	088	20.5	20.7	135.16	4.57	1985	1979
<i>25</i>	37	25464	37	-47.6	-35.1	-54.9			8	075	18.5	21.7	149.35	4.84	1985	1979
<i>20</i>	20	27028	20	-44.7	-40.1	-51.3									1981	1984
<i>15</i>	11	28917	11	-42.9	-39.1	-48.5									1984	1984
<i>10</i>	4	31704	4	-38.6	-35.3	-41.1									1984	1984
<i>7</i>	3	34140	3	-38.6	-37.7	-39.3									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

316 528 542

136 107 1648 -74.8

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

SEPTEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	390	994	390	24.4	29.6	21.4	390	23.5	390	046	0.8	1.1	0.55	0.44	1990	1984
1000	354	61	3	22.7	23.4	22.0	3	22.2	3	045	1.3	1.3	4.80		1986	1986
950	353	480	353	23.8	30.2	18.0	353	21.5	259	060	2.2	3.5	9.46	0.62	1989	1990
900	353	984	353	21.8	28.6	15.2	353	18.8	260	111	0.9	3.6	4.83	0.67	1990	1986
850	353	1480	353	19.3	26.8	13.2	353	16.1	261	190	1.5	4.0	4.34	0.73	1989	1986
800	353	2001	353	16.5	23.8	10.4	353	13.0	258	201	2.4	4.2	5.17	0.69	1990	1986
750	353	2543	353	13.5	21.2	6.8	352	10.0	257	205	3.2	5.1	7.28	0.71	1990	1986
700	353	3128	353	10.3	18.6	4.4	353	6.6	259	217	4.0	5.7	7.26	0.73	1990	1990
650	348	3738	348	7.1	17.0	-1.1	345	3.2	195	218	3.6	5.9	9.95	0.83	1978	1982
600	339	4397	338	3.7	11.2	-3.9	333	-0.6	173	229	4.2	6.2	11.22	0.90	1990	1981
550	334	5120	334	0.2	8.0	-6.0	323	-4.6	156	242	4.8	6.7	16.74	0.93	1990	1978
500	330	5859	330	-3.5	4.6	-10.0	305	-9.1	143	251	6.1	7.8	15.68	0.89	1990	1978
450	325	6693	325	-7.8	1.0	-15.7	282	-14.4	130	253	5.9	7.2	23.86	0.98	1990	1982
400	316	7596	314	-12.9	-6.7	-19.9	246	-20.8	123	261	6.2	7.8	21.87	1.04	1980	1985
350	313	8603	312	-19.2	-10.7	-27.9	208	-28.1	111	260	7.4	8.6	24.00	1.18	1989	1979
300	301	9732	301	-27.1	-19.3	-35.9	144	-36.0	104	261	8.3	10.3	32.56	1.40	1989	1985
250	284	11022	284	-36.8	-29.1	-46.7	50	-44.2	89	264	10.8	12.9	40.34	1.58	1988	1982
200	259	12526	259	-49.2	-40.3	-61.7			79	276	11.6	14.6	56.39	1.99	1989	1982
175	243	13389	243	-56.3	-46.3	-66.9			77	281	11.9	14.5	67.98	2.30	1989	1982
150	222	14345	222	-63.7	-54.3	-74.1			71	281	10.3	12.9	72.43	2.48	1990	1987
125	192	15443	191	-70.7	-59.5	-81.0			63	287	7.7	10.7	87.87	2.71	1990	1978
100	168	16753	166	-74.4	-64.1	-86.0			60	293	3.7	7.5	141.71	2.79	1990	1978
80	151	18062	151	-70.9	-50.1	-82.0			53	063	1.7	6.4	107.08	3.33	1985	1978
70	135	18866	135	-66.1	-56.3	-84.0			45	074	3.6	6.0	119.47	3.64	1981	1978
60	129	19809	129	-60.9	-51.7	-80.0			42	085	5.6	7.1	130.89	3.21	1987	1978
50	113	20956	113	-56.4	-48.1	-68.3			32	083	7.9	9.1	149.59	2.35	1981	1979
40	98	22377	98	-52.4	-42.7	-64.9			30	080	10.0	11.0	115.44	2.58	1981	1979
30	87	24255	87	-48.0	-33.5	-55.5			27	086	12.8	13.1	135.38	2.98	1985	1979
25	62	25454	61	-46.4	-34.9	-53.7			19	093	13.6	14.2	171.64	3.33	1985	1979
20	46	26926	46	-44.9	-35.7	-52.3			14	097	12.8	13.1	145.58	1.80	1984	1983
15	32	28909	32	-42.3	-33.1	-50.9			8	108	12.0	13.5	161.24	2.22	1984	1983
10	15	31588	15	-40.5	-29.1	-48.5			4	096	9.4	9.5			1984	1983
7	5	34001	5	-41.2	-37.1	-46.9			1	055	7.9	8.0			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
335	548	515					166	107	1641	-75.3

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

OCTOBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	403	999	403	21.3	27.2	15.6	403	20.2	403	047	0.7	0.9	1.41	0.95	1983	1986
1000	357	99	148	19.8	24.2	16.0	147	18.4	143	045	0.7	0.8	11.47	0.82	1987	1982
950	356	514	356	21.9	28.6	16.4	355	17.2	317	046	2.9	3.9	12.27	0.66	1983	1989
900	356	1014	356	20.0	26.8	13.6	355	14.2	316	046	1.4	3.1	9.54	0.89	1989	1986
850	356	1505	356	17.3	24.4	10.8	355	10.3	317	097	0.4	3.1	8.30	0.91	1983	1980
800	356	2021	355	14.3	23.0	7.6	351	6.5	316	187	1.1	3.4	7.82	0.96	1983	1989
750	356	2559	355	11.0	20.8	4.2	346	3.3	315	214	2.0	4.1	9.22	0.98	1983	1989
700	356	3136	356	7.4	17.2	0.8	338	-0.4	314	222	2.9	4.6	7.14	1.02	1983	1989
650	355	3738	352	3.8	12.0	-2.5	318	-3.7	276	233	3.3	5.2	9.82	1.06	1983	1979
600	353	4389	349	0.3	7.6	-6.5	288	-7.1	254	244	4.6	6.5	9.44	1.14	1983	1979
550	350	5108	347	-3.0	8.2	-12.1	238	-10.6	231	252	8.3	9.9	15.10	1.19	1989	1980
500	347	5833	343	-6.6	2.2	-18.5	189	-14.5	227	255	10.7	12.0	13.19	1.39	1984	1982
450	341	6657	340	-10.9	-3.1	-20.7	152	-19.4	198	257	13.6	14.7	22.96	1.54	1984	1979
400	338	7549	334	-16.3	-7.1	-27.9	124	-25.1	193	258	16.9	17.8	22.25	1.83	1984	1987
350	333	8546	330	-22.7	-12.9	-34.9	88	-31.1	163	258	20.7	21.8	26.96	1.98	1981	1979
300	324	9656	323	-30.3	-20.3	-43.3	49	-37.4	143	258	23.6	24.6	36.33	2.19	1983	1979
250	303	10926	302	-39.6	-26.5	-51.3	11	-44.9	118	259	26.4	27.5	47.08	2.40	1989	1979
200	281	12415	281	-51.2	-40.3	-61.1	1	-57.9	96	261	28.0	29.3	61.29	2.15	1983	1981
175	254	13263	254	-57.8	-45.1	-68.9			88	261	26.5	28.1	67.00	2.04	1983	1981
150	227	14214	227	-64.6	-51.5	-76.1			86	261	23.9	25.4	77.02	2.16	1987	1981
125	204	15309	203	-70.9	-59.9	-79.3			74	264	18.9	20.9	94.92	2.38	1987	1979
100	181	16615	180	-74.0	-64.5	-86.9			64	268	11.1	12.6	94.69	2.54	1986	1981
80	159	17935	159	-69.8	-56.9	-80.1			56	257	4.2	8.8	100.16	3.22	1986	1988
70	152	18739	152	-65.7	-52.1	-79.9			54	202	0.6	5.9	105.24	4.02	1986	1988
60	138	19674	138	-61.5	-46.1	-74.1			48	077	1.4	5.0	106.44	4.17	1986	1988
50	130	20814	130	-57.2	-41.3	-68.9			43	065	3.9	5.6	117.62	3.85	1986	1988
40	115	22238	115	-52.7	-39.1	-61.9			37	080	6.4	8.1	142.50	3.59	1985	1979
30	86	24109	86	-48.9	-32.5	-57.5			34	093	7.5	8.7	142.76	3.24	1985	1979
25	70	25277	70	-47.0	-34.9	-55.3			23	097	5.6	8.1	161.36	3.42	1985	1979
20	53	26731	53	-45.3	-34.3	-52.9			18	106	5.2	6.6	192.10	3.04	1984	1983
15	28	28708	28	-43.2	-35.5	-51.7			6	126	2.2	4.8	222.32	3.84	1984	1979
10	10	31556	10	-40.5	-28.9	-49.1									1983	1983
7	4	34221	4	-38.4	-31.7	-47.7									1986	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
346	594	448	2	162	1352	-64.3	170	108	1621	-75.1

NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

NOVEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	1002	390	15.5	22.2	8.8	390	14.5	390	045	0.6	0.7	0.88	1.34	1989	1984
<i>1000</i>	318	128	269	15.9	22.0	10.0	269	14.3	257	046	0.7	0.7	8.38	1.26	1989	1982
<i>950</i>	318	540	318	18.8	25.0	11.8	317	12.0	306	037	3.4	3.8	7.18	1.64	1983	1990
<i>900</i>	318	1032	317	16.9	27.8	10.0	316	8.8	306	046	2.6	3.2	8.01	2.09	1983	1978
<i>850</i>	318	1517	317	14.3	24.0	7.4	313	5.3	307	070	1.6	3.0	9.76	1.87	1983	1981
<i>800</i>	318	2027	318	11.1	20.6	3.0	311	1.8	308	100	0.9	2.9	13.50	1.65	1990	1981
<i>750</i>	318	2556	317	7.5	16.0	-1.9	296	-1.7	308	146	0.8	3.3	11.13	1.48	1990	1986
<i>700</i>	318	3127	315	3.9	12.0	-4.9	273	-5.5	307	211	1.1	3.9	18.17	1.38	1990	1981
<i>650</i>	315	3721	311	0.5	6.2	-7.1	247	-9.0	291	239	2.7	5.3	14.72	1.26	1990	1981
<i>600</i>	311	4365	307	-2.5	6.0	-10.5	201	-13.1	271	251	6.5	8.4	22.15	1.27	1987	1981
<i>550</i>	307	5072	305	-5.5	5.8	-14.7	145	-17.1	260	258	10.8	12.3	28.53	1.28	1981	1981
<i>500</i>	305	5795	302	-9.3	1.4	-18.9	91	-21.5	252	263	14.7	16.0	26.96	1.50	1981	1982
<i>450</i>	303	6605	301	-14.4	-3.5	-25.9	65	-26.7	228	264	18.4	19.6	31.98	1.56	1990	1984
<i>400</i>	298	7485	296	-20.2	-8.9	-31.7	43	-30.6	207	265	22.9	24.4	31.01	1.72	1990	1982
<i>350</i>	285	8466	283	-26.5	-14.5	-36.3	31	-35.7	175	265	28.0	30.0	38.11	1.88	1990	1982
<i>300</i>	273	9562	272	-33.3	-22.5	-43.7	12	-41.3	155	265	33.5	35.5	44.21	2.00	1990	1982
<i>250</i>	252	10820	252	-41.4	-31.7	-52.7	2	-45.5	131	266	39.5	41.9	57.30	2.19	1988	1982
<i>200</i>	220	12294	220	-51.6	-39.3	-61.1			95	271	41.8	45.2	82.18	2.39	1989	1990
<i>175</i>	201	13145	201	-57.3	-45.3	-67.7			81	272	39.6	43.2	91.96	2.24	1984	1981
<i>150</i>	178	14099	178	-63.4	-53.5	-73.5			74	273	37.1	39.7	80.72	2.19	1984	1980
<i>125</i>	153	15201	153	-68.4	-58.7	-78.3			64	269	31.6	35.2	92.32	2.88	1984	1981
<i>100</i>	126	16525	126	-71.9	-61.9	-82.1			52	274	22.7	24.8	118.05	2.98	1984	1979
<i>80</i>	99	17849	99	-70.7	-60.1	-83.1			41	274	14.3	16.9	139.70	3.06	1984	1979
<i>70</i>	90	18645	90	-68.2	-55.9	-84.1			34	282	9.9	11.2	158.76	2.97	1984	1979
<i>60</i>	80	19574	80	-63.5	-50.3	-76.1			30	272	8.0	9.1	141.86	3.27	1984	1979
<i>50</i>	68	20690	68	-58.5	-44.5	-72.3			28	257	3.6	7.3	106.83	2.33	1984	1979
<i>40</i>	59	22095	58	-53.2	-40.9	-65.5			24	263	4.6	6.8	132.32	2.38	1984	1984
<i>30</i>	38	23962	38	-49.8	-38.3	-61.9			15	267	0.3	5.7	129.92	4.87	1982	1984
<i>25</i>	29	25118	29	-48.4	-40.5	-57.1			13	107	1.7	6.0	141.14	2.71	1982	1979
<i>20</i>	22	26605	22	-46.9	-39.1	-55.1			13	156	4.1	7.4	226.15	3.36	1979	1979
<i>15</i>	9	28419	9	-46.5	-40.3	-53.1			4	127	5.6	8.2			1982	1979
<i>10</i>	3	31296	3	-42.1	-36.5	-46.9			1	108	12.0	12.0			1982	1979

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

311	640	386		11	191	1257	-59.3		118	105	1627	-72.9
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NORMALS OF RADIOSONDE DATA

42314 MOHANBARI (DBH)

DECEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	1004	403	10.9	19.8	4.8	403	10.2	403	050	0.4	0.4	1.24	1.10	1984	1982
1000	296	146	288	11.6	19.0	5.6	288	10.1	285	042	1.0	1.1	9.42	0.87	1979	1982
950	296	555	296	15.6	22.4	9.0	296	8.8	291	039	3.0	3.5	12.27	0.82	1981	1978
900	296	1039	296	13.8	22.0	8.0	296	5.3	291	051	2.3	3.2	9.12	0.86	1990	1980
850	296	1520	296	11.3	18.0	4.8	289	1.4	291	068	1.6	2.9	9.23	0.93	1990	1989
800	296	2023	296	8.2	16.2	1.8	273	-2.1	291	113	0.8	3.1	9.78	1.00	1986	1989
750	296	2549	296	4.8	11.6	-2.1	245	-5.0	291	166	0.7	3.9	12.09	1.14	1986	1979
700	296	3112	295	1.4	10.4	-5.9	218	-8.1	291	228	0.9	4.3	13.04	1.33	1986	1981
650	292	3702	290	-1.7	8.0	-10.9	187	-12.1	276	262	3.1	5.9	19.53	1.64	1987	1981
600	290	4340	288	-4.3	8.0	-15.3	146	-15.3	264	271	8.1	10.4	18.79	1.61	1982	1981
550	287	5041	283	-7.3	4.0	-18.9	91	-18.5	253	268	13.0	15.2	24.25	1.60	1979	1981
500	285	5769	282	-11.6	-1.7	-22.5	69	-23.1	244	268	16.3	17.9	24.19	1.75	1987	1981
450	277	6561	275	-16.9	-7.7	-28.1	58	-28.3	210	268	20.5	22.0	33.14	1.84	1987	1981
400	269	7436	269	-23.0	-13.5	-34.3	37	-33.6	188	268	24.7	26.3	33.97	1.89	1981	1981
350	259	8403	258	-29.4	-18.7	-41.1	18	-38.7	158	266	31.2	33.1	40.41	2.17	1982	1981
300	245	9488	243	-36.5	-25.1	-49.5	6	-42.6	140	266	38.8	40.5	44.20	2.47	1982	1979
250	230	10731	230	-44.8	-34.1	-58.1			113	263	44.5	46.3	53.08	2.50	1982	1979
200	203	12198	203	-53.6	-45.1	-63.3			88	262	48.8	50.5	69.09	1.60	1982	1979
175	189	13044	188	-58.0	-47.5	-70.1			77	263	46.4	47.9	71.94	1.85	1982	1981
150	163	14012	163	-61.9	-50.1	-75.5			66	264	43.9	44.8	72.79	1.76	1982	1981
125	140	15131	140	-65.8	-54.5	-77.1			55	264	36.6	38.3	84.61	2.89	1981	1979
100	117	16468	117	-69.2	-56.9	-79.5			43	266	28.8	29.6	81.23	3.38	1989	1981
80	102	17808	102	-69.0	-57.7	-81.0			35	272	19.1	19.9	88.34	2.97	1986	1978
70	90	18614	90	-67.1	-55.7	-74.9			27	278	12.7	14.8	89.65	2.44	1986	1982
60	85	19555	85	-63.4	-50.3	-74.5			23	278	8.4	11.3	91.58	2.69	1980	1980
50	76	20702	76	-58.4	-44.1	-71.1			20	295	5.0	9.9	109.59	3.40	1980	1982
40	67	22130	66	-52.6	-41.5	-65.5			14	283	6.5	7.9	99.59	3.17	1980	1982
30	45	23988	45	-49.4	-38.9	-59.3			7	253	4.7	7.1	137.23	4.03	1985	1982
25	31	25182	31	-48.0	-36.5	-57.1			3	046	3.8	7.3	135.23	2.68	1985	1982
20	24	26697	23	-44.7	-33.5	-54.3							199.43	3.49	1985	1982
15	12	28633	12	-43.1	-35.3	-52.9									1982	1986
10	6	31296	6	-43.6	-35.1	-48.5									1989	1982
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

294	672	345						30	199	1228	-58.1						115	107	1616	-70.3
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NORMALS OF RADIOSONDE DATA

43369 MINICOY

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1011	620	24.6	28.0	20.0	620	21.8	620	017	1.2	1.7	0.84	0.71	1973	1976
1000	567	95	566	24.3	28.4	20.0	565	21.4	564	020	1.9	2.8	6.89	0.67	1990	1972
950	566	528	566	22.4	30.2	18.0	564	18.3	564	039	2.7	3.8	19.50	0.68	1990	1972
900	566	1012	566	19.6	28.4	15.0	562	13.2	563	067	3.6	4.5	6.95	0.80	1989	1972
850	566	1503	565	16.7	25.0	11.8	551	8.2	562	080	4.2	5.4	7.38	0.87	1990	1986
800	566	2018	566	13.9	22.0	8.0	514	3.0	561	085	3.7	5.2	7.78	1.00	1971	1971
750	566	2552	564	11.7	20.0	5.0	440	-1.8	562	088	2.7	5.1	13.19	0.98	1971	1976
700	566	3134	564	9.1	18.0	4.0	372	-4.6	562	089	2.3	5.3	9.49	0.87	1971	1971
650	562	3744	559	5.9	13.8	-5.3	316	-8.0	552	091	3.0	5.6	13.31	0.78	1990	1986
600	558	4395	555	2.4	11.0	-3.7	264	-11.4	548	086	3.9	6.4	12.22	0.83	1990	1985
550	553	5092	551	-1.4	7.8	-8.3	222	-14.4	541	084	4.7	7.1	16.13	0.92	1990	1981
500	550	5847	547	-5.7	2.0	-10.7	172	-18.3	538	081	5.1	7.8	15.92	0.95	1990	1981
450	542	6660	540	-10.5	-2.9	-18.0	135	-22.4	527	076	4.9	8.6	20.81	0.98	1990	1971
400	534	7563	533	-16.2	-6.9	-26.0	98	-27.6	521	070	3.9	8.8	21.62	1.07	1990	1971
350	515	8551	515	-23.1	-14.0	-30.1	71	-33.2	498	073	2.4	8.7	26.52	1.17	1971	1979
300	495	9669	489	-31.4	-22.9	-39.9	41	-41.0	476	138	1.7	8.8	31.31	1.37	1990	1979
250	465	10931	461	-41.8	-32.1	-51.3	4	-48.0	449	167	4.0	10.6	38.56	1.52	1990	1979
200	434	12404	434	-54.3	-42.0	-66.7			417	172	4.7	12.6	50.52	1.55	1971	1979
175	391	13245	390	-61.2	-49.0	-72.0			374	176	4.3	13.1	57.93	1.72	1971	1978
150	349	14178	348	-68.4	-55.0	-82.0			333	177	3.2	13.4	63.67	2.39	1971	1978
125	310	15252	310	-75.3	-61.0	-86.5			294	143	2.9	12.6	80.50	3.20	1971	1989
100	263	16521	263	-80.3	-65.0	-90.0			249	101	2.6	10.6	105.80	3.53	1971	1978
80	202	17789	202	-78.4	-64.0	-89.0			188	082	2.7	8.1	112.30	2.77	1971	1978
70	179	18565	178	-74.9	-60.0	-90.0			168	075	2.4	8.9	130.59	3.04	1972	1978
60	151	19474	151	-70.8	-53.0	-87.0			139	082	2.9	10.0	141.22	2.69	1972	1978
50	109	20573	109	-67.4	-57.0	-82.0			99	080	4.7	13.5	147.78	2.75	1977	1978
40	72	21944	72	-62.8	-51.1	-77.0			60	099	9.2	15.5	160.62	3.72	1990	1978
30	42	23789	42	-56.3	-42.1	-72.0			38	100	6.4	16.4	189.89	5.52	1990	1978
25	29	24959	29	-53.2	-41.3	-70.0			26	074	2.9	13.6	208.26	5.86	1990	1978
20	20	26414	20	-50.3	-38.5	-59.1			19	256	3.4	11.9			1990	1985
15	14	28260	14	-49.7	-39.9	-57.1			13	266	12.7	20.7			1985	1985
10	8	30935	8	-47.2	-39.9	-54.5			8	280	11.1	18.6			1990	1985
7	2	33524	2	-45.4	-38.3	-52.5			2	031	9.8	26.0			1990	1985

FREEZING LEVEL

N P ALT

554 567 484

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

241 098 1664 -82.6

NORMALS OF RADIOSONDE DATA

43369 MINICOY

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	1010	565	25.0	28.6	20.0	565	22.3	565	003	1.4	1.8	1.22	0.61	1988	1974
<i>1000</i>	498	91	498	24.8	28.0	21.0	498	21.8	498	003	2.2	2.9	10.85	0.59	1988	1975
<i>950</i>	498	523	498	22.6	29.4	17.2	498	19.1	498	021	2.5	3.6	19.50	0.57	1988	1988
<i>900</i>	498	1009	498	20.0	29.6	14.0	498	14.1	497	071	2.9	4.3	11.36	0.76	1989	1976
<i>850</i>	498	1501	498	17.3	29.4	10.8	489	9.0	497	091	4.5	5.7	11.83	0.88	1989	1987
<i>800</i>	497	2016	497	14.5	25.6	8.0	471	3.4	495	092	4.6	6.1	12.21	0.98	1989	1971
<i>750</i>	497	2551	497	12.0	21.8	6.6	426	-1.9	496	091	3.6	5.6	17.54	1.05	1989	1990
<i>700</i>	497	3134	495	9.2	19.2	3.0	357	-6.2	496	095	2.8	5.6	13.47	1.06	1989	1972
<i>650</i>	488	3745	485	5.9	15.4	-4.0	305	-9.3	483	092	2.6	6.0	17.51	1.03	1989	1978
<i>600</i>	488	4395	485	2.3	11.0	-10.0	262	-12.4	483	087	2.7	6.2	15.03	0.99	1989	1972
<i>550</i>	486	5093	484	-1.5	7.2	-7.0	191	-16.0	479	083	2.9	6.9	21.15	1.10	1988	1976
<i>500</i>	483	5846	481	-5.8	5.2	-11.0	142	-19.0	476	086	2.7	7.4	18.28	1.03	1986	1978
<i>450</i>	480	6660	477	-10.5	0.8	-17.1	102	-23.1	472	072	2.7	8.3	26.71	1.11	1988	1983
<i>400</i>	477	7563	476	-16.2	-4.5	-23.0	69	-28.3	469	061	1.8	8.8	24.45	1.27	1988	1978
<i>350</i>	472	8550	469	-23.2	-11.9	-32.1	46	-35.0	461	092	0.7	8.9	33.65	1.48	1990	1981
<i>300</i>	459	9669	459	-31.6	-24.1	-38.9	26	-41.3	447	162	1.9	9.3	36.11	1.62	1988	1983
<i>250</i>	446	10933	446	-41.8	-33.1	-51.0	2	-47.2	432	171	3.5	10.5	44.26	1.78	1990	1978
<i>200</i>	418	12406	415	-54.1	-45.3	-64.0			400	174	3.6	12.5	58.34	1.84	1985	1978
<i>175</i>	380	13248	377	-61.0	-52.0	-70.1			360	160	3.3	13.4	67.35	2.01	1971	1983
<i>150</i>	344	14192	343	-68.1	-58.0	-81.0			328	156	2.8	13.3	79.04	2.26	1971	1978
<i>125</i>	296	15262	296	-74.9	-65.5	-88.0			279	131	1.3	11.9	94.77	2.60	1990	1978
<i>100</i>	255	16540	255	-79.8	-69.0	-94.0			244	081	2.6	10.0	106.32	2.68	1971	1978
<i>80</i>	201	17807	200	-78.5	-65.0	-92.0			184	085	1.5	8.6	115.30	2.89	1972	1978
<i>70</i>	172	18590	171	-75.7	-63.0	-89.0			156	053	0.8	7.8	114.00	2.53	1972	1978
<i>60</i>	154	19488	153	-71.3	-61.0	-86.1			138	054	1.5	10.3	124.60	2.64	1972	1985
<i>50</i>	122	20579	122	-66.6	-56.5	-78.9			111	085	2.0	12.2	137.62	2.74	1990	1985
<i>40</i>	90	21974	90	-62.1	-50.1	-71.0			81	097	1.8	14.1	167.18	2.59	1989	1973
<i>30</i>	64	23819	64	-56.3	-43.9	-67.0			56	145	2.3	14.0	198.04	4.19	1990	1972
<i>25</i>	49	25008	49	-53.5	-44.1	-63.5			44	215	1.2	14.9	225.49	4.69	1989	1985
<i>20</i>	33	26534	33	-49.6	-43.3	-61.1			31	252	6.3	17.3	249.47	3.51	1980	1985
<i>15</i>	22	28361	22	-48.3	-40.5	-59.1			20	255	12.1	18.2	242.26	4.55	1980	1985
<i>10</i>	12	30929	12	-46.3	-38.1	-56.1			11	278	9.9	13.0			1990	1985
<i>7</i>	4	33060	4	-47.7	-43.1	-53.5			3	195	12.5	23.0			1985	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
488	568	483					241	097	1672	-82.2

NORMALS OF RADIOSONDE DATA

43369 MINICOY

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1010	620	26.0	29.0	21.0	620	23.0	620	340	1.2	1.7	0.84	0.52	1971	1972
<i>1000</i>	537	87	537	25.7	29.0	17.0	536	22.6	537	342	1.8	2.6	6.14	0.50	1971	1976
<i>950</i>	537	519	537	23.4	29.0	19.0	536	20.1	537	359	1.9	3.5	16.49	0.53	1977	1971
<i>900</i>	537	1007	537	20.8	28.4	15.6	535	15.2	537	069	2.1	4.0	5.68	0.58	1982	1989
<i>850</i>	537	1501	537	18.3	26.6	8.0	532	10.4	537	087	4.6	5.9	6.20	0.71	1990	1971
<i>800</i>	537	2018	537	15.2	21.8	8.0	523	5.7	537	087	6.3	7.6	6.35	0.77	1990	1971
<i>750</i>	537	2552	537	12.1	18.4	0.0	498	0.2	537	086	6.6	7.9	13.33	0.91	1990	1977
<i>700</i>	537	3137	537	8.9	16.2	0.2	418	-5.1	537	091	5.2	6.9	8.11	0.98	1983	1984
<i>650</i>	530	3748	530	5.7	19.0	-9.1	323	-8.7	530	091	3.8	6.0	11.43	1.01	1973	1983
<i>600</i>	529	4398	528	2.3	9.2	-4.5	254	-11.5	527	089	3.4	5.9	11.65	1.01	1990	1989
<i>550</i>	515	5094	514	-1.5	5.0	-7.9	200	-14.6	514	082	3.4	6.2	16.48	1.14	1988	1979
<i>500</i>	510	5850	510	-5.6	1.0	-12.7	161	-18.8	510	072	3.5	6.8	16.83	1.27	1988	1979
<i>450</i>	501	6666	500	-10.4	-1.9	-19.0	127	-22.9	500	063	2.3	7.1	23.69	1.49	1988	1977
<i>400</i>	495	7570	495	-16.1	-7.7	-24.0	105	-28.2	494	030	1.2	7.7	25.32	1.63	1988	1971
<i>350</i>	491	8558	491	-22.8	-14.0	-31.0	71	-33.6	487	296	0.7	8.4	32.42	1.79	1976	1977
<i>300</i>	485	9678	485	-31.0	-22.9	-39.0	52	-42.0	477	245	2.0	9.3	40.43	2.06	1988	1977
<i>250</i>	467	10945	463	-41.2	-31.9	-51.0	7	-46.2	457	230	2.9	10.5	51.53	2.07	1990	1977
<i>200</i>	451	12424	448	-53.4	-41.7	-63.9	1	-56.9	440	229	3.3	11.6	65.85	2.08	1990	1979
<i>175</i>	406	13270	404	-60.2	-50.5	-70.0			392	235	3.5	12.0	73.18	2.15	1990	1978
<i>150</i>	368	14215	367	-67.3	-57.3	-78.3			358	237	3.4	11.8	83.64	2.28	1985	1979
<i>125</i>	311	15291	311	-74.4	-62.1	-88.0			301	261	1.2	10.2	101.74	2.81	1985	1978
<i>100</i>	269	16571	269	-80.3	-67.0	-92.0			256	076	2.8	9.2	113.27	2.61	1977	1978
<i>80</i>	211	17827	211	-79.3	-67.3	-92.0			193	078	3.0	9.1	123.14	2.28	1989	1971
<i>70</i>	180	18609	180	-75.9	-65.0	-92.0			167	077	2.5	8.6	124.08	2.57	1977	1978
<i>60</i>	155	19507	155	-70.8	-59.3	-91.0			144	059	1.6	9.4	130.34	2.92	1990	1978
<i>50</i>	128	20615	128	-65.3	-52.7	-84.0			118	111	0.5	11.7	143.37	3.35	1980	1978
<i>40</i>	93	22027	93	-59.5	-45.1	-77.0			85	109	2.5	13.5	172.00	5.67	1980	1978
<i>30</i>	66	23884	66	-52.7	-39.1	-66.0			62	186	0.7	14.3	179.58	4.66	1980	1971
<i>25</i>	53	25071	53	-49.5	-34.9	-59.1			49	128	4.0	17.4	201.74	4.59	1980	1989
<i>20</i>	34	26511	34	-46.7	-34.1	-55.1			33	115	2.3	18.1	170.16	2.87	1990	1989
<i>15</i>	20	28482	20	-44.8	-37.1	-52.5			19	110	3.5	19.6			1989	1989
<i>10</i>	9	31223	9	-42.2	-34.3	-50.9			9	126	10.8	28.9			1989	1989
<i>7</i>	4	33355	4	-44.0	-37.5	-49.9			4	096	13.5	36.8			1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
522	567	484					232	094	1690	-82.9

NORMALS OF RADIOSONDE DATA

43369 MINICOY

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1008	600	27.3	30.0	23.8	600	23.9	600	314	1.7	2.4	0.71	0.42	1972	1980
<i>1000</i>	507	74	505	27.1	30.0	24.0	504	23.7	505	314	2.4	3.4	5.64	0.47	1972	1971
<i>950</i>	505	508	504	24.7	32.0	20.6	501	21.4	505	317	2.6	4.1	17.80	0.60	1990	1990
<i>900</i>	505	999	504	22.1	29.8	17.0	501	17.1	505	338	1.2	3.9	6.26	0.67	1990	1972
<i>850</i>	505	1495	504	19.7	29.0	14.8	501	11.9	505	068	2.1	4.4	6.59	0.77	1990	1982
<i>800</i>	505	2015	505	16.7	30.0	10.0	501	8.3	505	080	4.5	5.8	7.50	0.92	1990	1972
<i>750</i>	505	2552	504	13.5	26.0	8.0	496	4.3	504	082	6.3	7.3	12.99	0.85	1990	1972
<i>700</i>	505	3139	503	10.0	19.8	5.0	476	-0.7	504	084	6.9	7.9	9.79	0.87	1990	1972
<i>650</i>	497	3752	496	6.4	16.0	1.0	432	-5.1	496	085	5.9	7.3	11.21	0.98	1983	1972
<i>600</i>	492	4403	491	2.8	10.4	-4.0	387	-9.0	490	088	4.6	6.5	13.19	1.06	1990	1972
<i>550</i>	488	5104	485	-0.9	6.2	-8.0	331	-12.6	486	092	4.2	6.5	15.57	1.06	1988	1972
<i>500</i>	485	5858	482	-5.1	3.0	-11.0	274	-16.6	482	089	3.6	6.5	17.89	1.18	1990	1978
<i>450</i>	477	6679	474	-9.7	10.0	-17.0	219	-20.8	475	083	3.5	7.0	20.74	1.43	1983	1978
<i>400</i>	467	7582	462	-15.4	-7.3	-23.0	170	-25.9	466	084	2.0	7.3	26.58	1.46	1983	1972
<i>350</i>	458	8576	455	-22.1	-11.9	-31.0	129	-31.4	453	128	0.7	7.8	31.60	1.75	1990	1978
<i>300</i>	445	9698	443	-30.2	-20.7	-40.0	105	-38.8	442	202	1.3	8.2	40.00	1.96	1988	1978
<i>250</i>	426	10972	426	-40.4	-30.7	-52.0	19	-46.0	423	195	3.0	9.3	50.60	1.97	1988	1978
<i>200</i>	408	12456	408	-52.6	-44.3	-65.3			402	188	3.9	10.6	61.97	1.98	1987	1982
<i>175</i>	365	13306	365	-59.6	-49.1	-72.0			355	181	3.8	11.3	69.00	2.04	1990	1978
<i>150</i>	323	14251	322	-67.0	-57.3	-79.0			307	160	2.9	11.0	77.82	2.13	1990	1978
<i>125</i>	287	15330	287	-74.4	-52.5	-90.0			270	123	2.6	10.1	92.33	2.42	1988	1978
<i>100</i>	247	16603	247	-80.5	-68.0	-95.0			224	099	4.3	9.2	118.00	2.86	1977	1978
<i>80</i>	179	17862	179	-78.0	-65.0	-90.0			160	088	4.6	9.6	120.62	3.29	1975	1971
<i>70</i>	151	18641	151	-74.0	-57.0	-88.0			137	064	1.7	9.5	149.80	3.89	1977	1971
<i>60</i>	125	19548	125	-69.3	-52.3	-82.0			117	255	0.6	10.6	150.52	3.08	1990	1974
<i>50</i>	99	20660	99	-64.3	-50.9	-79.9			91	182	1.1	11.5	172.94	3.19	1988	1979
<i>40</i>	77	22078	77	-58.4	-46.1	-74.3			69	099	1.7	11.8	204.26	3.74	1988	1979
<i>30</i>	51	23995	51	-50.8	-40.5	-64.7			46	099	6.7	15.3	205.11	4.20	1989	1979
<i>25</i>	35	25189	35	-48.3	-37.5	-60.1			30	098	6.7	17.3	270.52	5.45	1983	1979
<i>20</i>	27	26758	27	-43.5	-35.1	-53.7			22	095	10.9	17.5	247.90	4.48	1984	1979
<i>15</i>	17	28747	17	-40.5	-35.1	-48.5			13	056	3.9	20.8			1990	1988
<i>10</i>	11	31425	11	-37.7	-32.5	-44.9			8	097	11.9	20.3			1990	1988
<i>7</i>	4	33628	4	-37.0	-26.5	-44.5			2	105	37.2	37.5			1989	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
490	561	495					215	099	1669	-83.0

NORMALS OF RADIOSONDE DATA

43369 MINICOY

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1008	620	27.7	32.6	23.0	619	24.4	620	289	3.6	4.3	0.89	0.41	1979	1971
1000	527	68	524	27.4	29.4	23.0	522	24.1	525	289	4.4	5.2	6.07	0.46	1980	1971
950	527	504	524	24.8	29.6	19.0	522	21.7	525	295	5.2	6.3	15.35	0.50	1987	1978
900	527	993	524	22.0	29.2	16.4	521	18.1	525	295	5.2	6.5	6.69	0.56	1987	1987
850	527	1488	525	19.3	27.2	13.0	524	13.7	525	298	3.8	5.9	7.13	0.61	1987	1982
800	527	2008	523	16.6	25.0	10.0	518	9.7	524	320	2.2	5.8	7.46	0.65	1987	1977
750	527	2543	525	13.4	19.2	2.0	518	5.9	524	008	1.3	6.1	14.69	0.84	1988	1976
700	527	3133	526	9.9	16.6	5.0	515	1.6	525	053	1.7	6.7	8.66	0.85	1988	1978
650	520	3743	517	6.2	13.8	-4.0	489	-2.1	517	070	1.8	7.2	11.61	0.95	1985	1975
600	515	4397	512	2.5	9.2	-4.0	459	-6.3	511	056	1.1	6.7	10.53	0.99	1985	1977
550	508	5095	504	-1.2	5.0	-6.9	414	-10.1	505	024	0.6	6.3	14.04	0.97	1985	1979
500	498	5851	496	-5.2	4.0	-10.7	370	-14.4	495	052	0.4	6.2	14.17	1.07	1975	1979
450	490	6670	489	-9.6	8.0	-18.0	317	-18.6	485	077	0.6	6.3	17.36	1.18	1985	1976
400	484	7575	484	-15.1	-8.9	-23.1	283	-23.8	479	113	0.6	6.2	20.34	1.20	1990	1979
350	470	8571	468	-21.7	-14.7	-29.3	228	-29.5	460	116	1.0	6.1	24.02	1.39	1989	1979
300	459	9693	458	-29.7	-21.7	-37.7	184	-36.6	446	108	1.9	6.5	33.46	1.69	1985	1981
250	440	10967	440	-39.8	-28.3	-48.0	55	-45.2	431	105	3.2	7.8	41.98	1.81	1989	1978
200	414	12453	413	-52.4	-41.9	-63.0			402	107	6.8	10.7	54.15	2.12	1990	1978
175	370	13303	369	-59.6	-45.9	-70.0			361	107	9.1	13.0	64.64	2.34	1983	1978
150	336	14247	336	-67.5	-56.3	-78.0			326	101	11.5	14.8	76.03	2.36	1990	1978
125	274	15322	274	-75.0	-64.1	-86.0			262	099	12.6	15.5	90.20	2.48	1990	1978
100	228	16606	228	-79.9	-65.1	-90.0			219	095	11.4	14.3	104.27	3.01	1987	1971
80	158	17886	158	-78.3	-67.1	-90.0			148	094	10.2	13.1	121.80	3.59	1983	1971
70	142	18674	142	-74.2	-60.7	-88.0			131	093	7.8	11.4	131.59	3.35	1983	1971
60	106	19588	106	-69.1	-57.7	-87.0			100	096	5.1	10.7	152.26	4.15	1990	1971
50	90	20686	90	-64.2	-50.3	-82.0			81	103	5.7	11.7	162.46	4.67	1989	1971
40	64	22105	64	-58.4	-45.3	-71.0			59	098	7.1	12.8	209.73	4.51	1989	1975
30	46	24000	46	-52.7	-42.5	-68.0			39	092	12.7	18.3	255.52	6.65	1990	1973
25	36	25218	36	-48.6	-38.1	-66.0			32	098	14.8	18.0	248.74	6.50	1984	1978
20	29	26735	29	-45.5	-39.1	-60.3			27	098	17.1	20.8	129.06	3.70	1990	1988
15	23	28690	23	-43.3	-36.9	-57.5			22	093	16.9	22.2	147.60	3.21	1990	1988
10	19	31416	19	-40.1	-33.1	-53.3			18	092	21.0	27.5			1989	1988
7	5	33572	5	-43.8	-38.5	-49.7			4	098	34.8	38.3			1987	1988

FREEZING LEVEL

N P ALT

505 565 487

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

199 098 1673 -82.3

NORMALS OF RADIOSONDE DATA

43369 MINICOY

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1008	600	27.2	29.2	22.6	600	24.1	600	272	6.3	6.8	0.74	0.46	1980	1982
1000	485	70	483	26.8	29.0	22.8	482	23.8	483	272	7.4	8.0	6.24	0.42	1987	1982
950	484	503	483	24.1	28.0	15.2	482	21.1	482	275	9.9	10.5	16.60	0.58	1972	1989
900	484	994	483	21.2	26.4	13.4	482	17.5	482	281	12.1	12.6	5.14	0.63	1989	1989
850	484	1488	482	18.2	25.0	8.8	482	13.8	482	284	12.3	12.9	5.09	0.64	1989	1989
800	484	2006	483	15.2	25.0	10.0	481	9.6	482	285	11.5	12.1	5.37	0.68	1978	1985
750	484	2538	483	12.3	19.0	3.0	473	5.2	483	283	10.3	11.2	14.12	0.77	1978	1978
700	484	3126	484	9.2	15.0	2.0	472	0.4	483	279	9.5	10.5	6.36	0.83	1989	1981
650	477	3734	476	5.9	15.0	-0.7	456	-3.7	476	277	8.9	10.1	10.55	0.79	1971	1983
600	476	4388	472	2.3	7.6	-4.9	440	-7.6	475	275	7.9	9.5	8.82	0.96	1988	1983
550	471	5087	466	-1.3	4.4	-7.9	411	-10.9	470	272	7.5	9.1	16.70	1.10	1982	1983
500	467	5842	463	-5.4	1.0	-17.9	390	-14.5	466	269	6.4	8.7	13.68	1.26	1989	1981
450	460	6660	459	-10.0	-4.1	-19.9	374	-18.9	454	266	4.5	7.8	21.17	1.36	1990	1983
400	455	7564	454	-15.7	-9.7	-27.1	362	-23.8	451	260	1.7	6.7	21.46	1.41	1983	1983
350	450	8558	449	-22.5	-15.7	-35.3	329	-29.9	441	086	2.4	7.4	26.17	1.55	1983	1983
300	443	9677	442	-30.5	-21.5	-44.7	281	-38.0	432	082	6.7	9.4	34.73	1.75	1990	1983
250	434	10948	433	-40.8	-30.9	-54.1	57	-46.4	420	081	12.0	13.8	44.15	1.86	1983	1983
200	411	12429	408	-53.4	-40.3	-63.9			390	084	19.7	21.3	56.93	2.11	1986	1983
175	372	13274	371	-60.7	-47.5	-70.0			347	086	24.6	25.6	66.38	2.12	1983	1978
150	322	14215	320	-68.0	-53.3	-78.3			298	088	31.1	32.0	81.25	2.72	1986	1990
125	275	15284	275	-75.4	-61.3	-88.0			256	093	32.4	33.5	105.30	2.84	1983	1971
100	222	16552	221	-78.7	-70.0	-91.0			205	098	24.0	25.3	121.00	2.62	1972	1971
80	164	17832	164	-74.9	-61.5	-86.0			147	094	14.2	16.4	114.92	2.38	1990	1978
70	128	18625	128	-71.6	-61.0	-84.0			115	096	12.2	14.5	125.88	2.51	1971	1978
60	94	19550	94	-67.2	-57.3	-79.0			84	093	12.0	13.9	129.13	2.95	1989	1978
50	72	20669	72	-62.6	-51.0	-72.9			64	093	11.7	14.0	152.93	2.61	1977	1979
40	42	22098	42	-58.1	-49.5	-66.0			37	093	10.9	14.5	188.73	2.63	1987	1974
30	31	23988	31	-52.7	-43.9	-62.1			26	094	17.5	22.2	219.53	4.55	1989	1983
25	27	25176	27	-49.4	-40.3	-58.7			20	102	20.3	25.1	259.51	4.24	1989	1983
20	19	26713	19	-47.5	-36.5	-55.1			15	092	19.4	24.9			1989	1983
15	12	28634	12	-45.9	-40.3	-50.1			10	102	26.3	28.6			1990	1983
10	9	31407	9	-42.6	-36.9	-47.1			8	101	26.4	28.9			1987	1988
7	3	33613	3	-43.3	-41.1	-44.7			3	102	67.3	67.7			1990	1988

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

467 567 484

211 105 1631 -80.9

NORMALS OF RADIOSONDE DATA

43369 MINICOY

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1008	620	26.8	29.0	22.8	620	23.6	620	280	5.9	6.5	0.84	0.33	1972	1979
1000	478	76	478	26.4	29.0	22.8	478	23.5	478	281	7.3	7.9	6.95	0.37	1972	1984
950	478	513	478	23.5	29.0	18.2	478	20.6	478	285	9.8	10.4	18.68	0.58	1979	1981
900	478	998	478	20.7	25.0	14.8	477	16.8	478	290	12.2	12.8	7.28	0.73	1978	1981
850	478	1491	478	17.7	23.0	12.2	478	12.9	478	295	13.0	13.7	7.48	0.77	1978	1981
800	478	2008	478	14.7	26.0	9.0	476	8.6	477	294	12.3	12.9	7.60	0.82	1975	1981
750	478	2542	478	11.8	22.4	5.2	471	4.6	477	291	10.7	11.3	16.22	0.90	1982	1981
700	478	3127	478	8.7	20.0	2.2	469	-0.4	477	288	8.9	9.7	9.86	1.03	1982	1981
650	474	3735	474	5.4	11.4	-1.1	457	-4.1	469	286	7.3	8.3	13.48	0.94	1989	1981
600	470	4387	470	1.9	8.2	-4.7	449	-7.4	466	282	5.7	7.1	13.86	1.00	1990	1981
550	465	5086	465	-1.6	4.0	-10.0	420	-10.7	458	278	4.7	6.9	20.88	1.16	1978	1978
500	463	5840	463	-5.6	3.6	-14.0	409	-14.8	455	272	3.2	6.7	18.88	1.40	1980	1978
450	459	6658	459	-10.4	-1.5	-17.9	385	-19.6	452	243	1.0	6.2	26.00	1.54	1987	1981
400	454	7561	454	-16.0	-6.5	-23.3	367	-24.6	446	113	2.2	6.8	28.33	1.66	1987	1981
350	449	8551	449	-22.9	-12.7	-30.9	324	-30.9	438	097	6.1	8.3	31.83	1.77	1987	1981
300	442	9669	440	-31.1	-19.3	-39.3	279	-38.8	430	092	10.3	11.6	42.41	2.09	1987	1981
250	433	10936	433	-41.5	-26.3	-50.3	54	-45.9	419	089	15.7	16.9	53.49	2.32	1987	1980
200	414	12410	413	-53.9	-41.1	-63.3	2	-60.0	394	088	24.0	24.8	66.86	2.42	1989	1980
175	352	13251	351	-61.0	-49.1	-71.1			331	088	29.9	30.7	78.61	2.62	1985	1980
150	309	14186	309	-68.4	-55.1	-79.0			293	088	36.1	36.8	90.94	2.69	1985	1977
125	265	15257	265	-75.1	-61.5	-88.0			254	094	37.2	37.9	107.67	3.04	1985	1977
100	211	16545	210	-76.4	-60.9	-90.0			199	096	24.6	26.3	127.79	2.76	1990	1978
80	155	17832	154	-71.9	-61.7	-82.1			142	093	18.5	19.8	135.54	2.71	1980	1982
70	132	18626	132	-69.0	-54.7	-85.0			117	096	15.8	16.7	139.37	4.19	1983	1978
60	109	19559	109	-65.5	-52.1	-79.0			97	095	16.2	17.4	148.70	3.61	1983	1978
50	81	20694	81	-62.3	-50.3	-72.0			71	094	16.2	18.0	168.18	3.59	1990	1978
40	46	22130	46	-57.7	-45.5	-64.0			43	100	17.2	19.3	193.87	2.84	1990	1971
30	30	24003	30	-53.2	-42.9	-62.0			28	094	21.1	23.8	212.79	3.65	1990	1978
25	25	25161	25	-50.1	-41.1	-63.0			20	098	26.7	28.8	244.88	4.31	1983	1978
20	17	26690	17	-46.6	-39.3	-52.5			16	099	25.6	28.5			1990	1988
15	12	28639	12	-43.5	-36.1	-49.9			11	099	22.4	24.2			1990	1986
10	3	31288	3	-43.2	-41.5	-45.1			3	248	6.8	31.0			1990	1990
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

466 571 478

1 127 1511 -80.3

209 111 1598 -79.2

NORMALS OF RADIOSONDE DATA

43369 MINICOY

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1009	620	26.4	29.0	24.0	620	23.5	620	286	5.4	6.0	0.67	0.31	1971	1971
1000	484	80	484	26.0	29.0	23.0	484	23.3	484	290	6.8	7.3	6.27	0.33	1977	1976
950	484	515	484	23.2	29.8	19.0	484	20.3	484	293	8.8	9.4	16.41	0.54	1987	1971
900	484	1001	484	20.3	26.0	15.0	483	16.6	483	297	10.6	11.1	6.06	0.65	1987	1972
850	484	1493	483	17.4	24.8	12.4	482	12.9	483	299	11.0	11.6	6.60	0.78	1987	1980
800	485	2010	485	14.5	22.2	9.0	483	8.9	485	298	10.4	11.0	7.12	0.80	1987	1985
750	485	2543	485	11.7	19.4	5.2	479	4.6	485	295	9.4	10.0	15.21	0.82	1987	1985
700	485	3127	485	8.6	17.6	1.6	477	0.0	483	291	8.2	8.9	9.32	0.82	1987	1985
650	474	3735	474	5.3	15.8	-5.5	455	-4.0	465	286	6.8	7.8	13.70	0.90	1987	1984
600	467	4387	467	1.9	11.0	-3.7	443	-7.5	455	282	5.7	7.1	11.66	0.91	1987	1985
550	456	5084	456	-1.7	8.0	-9.7	418	-11.5	444	280	4.5	6.4	18.42	0.98	1987	1987
500	447	5840	447	-5.7	3.6	-11.0	384	-15.5	435	272	2.8	5.7	16.63	1.10	1987	1977
450	441	6659	441	-10.2	9.4	-15.1	360	-19.8	428	241	0.2	6.0	21.94	1.14	1981	1980
400	437	7560	437	-16.0	-6.7	-22.0	339	-25.1	426	102	2.2	6.1	23.76	1.30	1987	1971
350	427	8551	426	-22.9	-14.0	-29.0	290	-31.7	414	096	5.1	7.6	28.59	1.42	1978	1971
300	425	9669	424	-31.2	-23.1	-37.7	228	-39.3	410	096	9.1	10.7	35.72	1.61	1987	1981
250	405	10936	405	-41.4	-32.9	-50.1	27	-46.0	382	096	14.1	15.3	44.27	1.76	1987	1988
200	380	12411	379	-53.9	-43.9	-66.0			354	093	24.0	24.9	55.81	1.92	1987	1978
175	333	13252	333	-60.8	-51.1	-70.0			308	091	30.1	30.7	64.14	2.05	1990	1978
150	293	14194	293	-68.0	-58.7	-80.0			276	091	34.4	35.3	80.41	2.29	1987	1978
125	243	15256	243	-74.9	-66.1	-84.0			227	094	34.4	35.1	90.62	2.95	1989	1977
100	206	16537	206	-75.8	-66.3	-89.0			194	094	21.1	22.5	95.75	2.23	1989	1972
80	161	17840	161	-71.7	-62.1	-86.0			148	092	14.3	15.9	115.07	3.01	1988	1978
70	141	18638	141	-68.3	-56.3	-84.0			127	096	14.9	16.0	143.67	3.97	1988	1978
60	105	19574	105	-64.7	-51.5	-82.0			93	095	14.0	15.6	125.21	2.80	1990	1978
50	81	20702	81	-60.6	-46.3	-76.0			72	095	16.0	18.1	143.17	3.34	1989	1978
40	47	22154	47	-56.5	-41.5	-65.0			40	097	17.0	18.9	182.65	3.76	1989	1972
30	31	24079	31	-51.3	-35.3	-62.0			27	096	22.8	24.3	194.21	4.18	1989	1971
25	22	25268	22	-49.7	-39.5	-60.0			17	097	25.4	27.4	206.58	5.43	1990	1971
20	14	26781	14	-46.1	-35.1	-53.3			12	101	25.3	27.6			1989	1990
15	6	28672	6	-45.9	-42.5	-52.5			5	097	30.1	31.6			1989	1990
10	4	31474	4	-43.4	-39.1	-51.3			4	099	29.2	29.4			1989	1990
7	3	33816	3	-42.9	-39.1	-50.1			3	099	28.8	30.0			1989	1990

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
461	572	476					203	110	1598	-78.9

NORMALS OF RADIOSONDE DATA

43369 MINICOY

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	600	1009	600	26.3	30.0	23.0	600	23.5	600	297	4.2	4.7	0.89	0.40	1972	1973
1000	500	82	500	25.9	28.8	22.0	500	23.1	500	298	5.3	5.9	7.40	0.43	1989	1975
950	500	518	500	23.2	30.6	18.0	500	20.3	500	302	6.6	7.2	20.27	0.62	1988	1971
900	500	1003	499	20.5	29.6	14.4	497	15.8	500	302	7.3	7.9	7.50	0.77	1982	1990
850	500	1495	499	17.6	23.8	9.4	496	13.2	500	300	7.0	7.7	7.64	0.88	1988	1990
800	500	2013	500	14.8	25.0	8.0	498	9.0	500	296	6.7	7.5	8.02	1.01	1972	1990
750	500	2546	500	11.9	21.0	6.2	494	4.4	500	292	6.3	7.3	13.44	0.82	1982	1990
700	500	3132	499	8.9	17.4	2.0	483	0.1	500	289	5.8	7.1	9.84	0.85	1982	1986
650	495	3742	494	5.5	16.2	-6.3	471	-3.9	493	286	5.4	6.9	13.51	1.00	1989	1980
600	491	4393	489	2.1	9.8	-4.1	451	-6.9	487	285	4.1	6.1	11.69	0.91	1987	1982
550	489	5091	486	-1.6	7.4	-10.3	434	-10.3	478	290	2.7	5.3	15.52	0.94	1988	1980
500	484	5845	482	-5.6	3.2	-12.0	389	-14.7	474	302	1.0	4.9	14.20	0.92	1980	1971
450	479	6664	477	-10.3	0.0	-20.0	349	-19.1	465	091	0.9	5.1	21.57	1.05	1971	1972
400	475	7566	475	-16.0	-7.3	-32.5	319	-25.0	455	098	2.9	5.8	20.48	1.17	1989	1985
350	466	8555	465	-22.8	-12.1	-30.0	255	-31.4	440	100	5.2	7.2	27.63	1.34	1989	1978
300	458	9675	458	-31.1	-20.1	-40.0	191	-39.5	432	103	8.4	9.6	31.14	1.53	1989	1978
250	434	10943	433	-41.3	-29.1	-51.1	22	-46.3	410	100	13.6	14.6	40.69	1.73	1989	1981
200	401	12422	400	-53.8	-41.3	-63.3			370	096	19.7	20.5	52.03	1.74	1989	1980
175	355	13266	355	-60.9	-49.3	-71.1			326	094	23.7	24.5	61.59	2.03	1988	1980
150	316	14205	315	-68.3	-55.7	-78.0			296	095	26.6	27.6	66.19	1.99	1990	1971
125	245	15272	244	-74.9	-63.9	-84.0			229	097	25.9	27.0	80.76	2.22	1990	1977
100	207	16562	207	-76.2	-65.7	-86.0			192	099	15.3	17.0	88.88	2.29	1984	1977
80	168	17863	168	-71.6	-58.7	-85.0			156	093	11.9	13.5	107.48	2.18	1990	1977
70	145	18662	145	-68.5	-54.7	-84.0			134	093	10.1	12.4	135.63	3.08	1990	1976
60	120	19586	120	-65.0	-49.9	-82.0			113	097	11.1	13.3	142.79	2.64	1990	1976
50	98	20715	98	-61.4	-44.5	-78.0			90	091	11.7	14.3	160.04	2.57	1990	1976
40	62	22111	62	-58.0	-43.9	-72.0			57	091	14.2	16.5	187.73	3.42	1990	1976
30	45	23982	45	-53.7	-46.1	-71.0			37	102	19.5	20.9	220.19	4.14	1984	1976
25	37	25173	37	-50.9	-40.1	-69.0			31	097	18.3	22.3	237.37	4.26	1984	1976
20	25	26690	25	-47.4	-36.3	-57.7			21	089	20.1	23.0	242.95	5.25	1984	1981
15	18	28625	18	-45.1	-37.1	-53.1			14	104	26.0	28.1			1989	1980
10	11	31295	11	-42.3	-37.3	-50.1			10	096	25.0	31.8			1989	1980
7	4	33626	4	-40.3	-34.5	-47.1			3	096	31.2	31.3			1984	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

487 571 480

207 109 1611 -78.7

NORMALS OF RADIOSONDE DATA

43369 MINICOY

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1009	620	26.0	28.2	21.0	620	23.3	620	288	2.4	3.3	0.71	0.38	1982	1976
<i>1000</i>	538	84	538	25.7	28.0	21.0	538	23.1	538	288	3.1	4.2	4.83	0.40	1976	1976
<i>950</i>	538	515	538	23.3	33.0	18.0	538	20.5	538	292	3.8	5.3	18.85	0.70	1990	1980
<i>900</i>	538	1005	538	20.6	30.4	16.0	537	16.8	538	294	3.4	5.5	4.33	0.82	1990	1971
<i>850</i>	538	1498	538	17.8	29.0	12.0	537	12.8	538	297	2.9	5.7	4.81	0.92	1990	1978
<i>800</i>	538	2016	538	15.0	26.2	9.0	534	8.7	538	299	2.2	5.8	5.82	0.90	1990	1978
<i>750</i>	538	2550	538	12.0	22.0	5.0	531	4.1	538	300	2.2	6.0	12.73	0.77	1990	1989
<i>700</i>	538	3135	538	8.9	16.0	2.0	521	0.0	537	297	2.4	5.9	7.97	0.78	1989	1989
<i>650</i>	531	3746	531	5.6	12.0	-3.0	499	-3.5	527	291	2.0	5.7	8.93	0.82	1981	1978
<i>600</i>	524	4396	523	2.1	9.8	-4.1	476	-7.2	521	291	1.3	5.4	10.28	0.78	1989	1988
<i>550</i>	515	5096	515	-1.6	6.0	-16.9	453	-11.1	511	325	0.2	5.2	16.33	0.84	1990	1981
<i>500</i>	510	5849	506	-5.8	2.4	-14.9	409	-15.2	503	087	0.8	5.1	13.97	0.96	1990	1981
<i>450</i>	498	6668	494	-10.4	-2.1	-18.1	356	-19.9	486	100	1.9	5.4	21.24	1.06	1981	1980
<i>400</i>	490	7569	487	-16.0	-6.9	-22.3	316	-25.6	477	093	2.6	5.5	20.99	1.14	1981	1981
<i>350</i>	476	8561	475	-22.8	-14.3	-30.0	241	-31.8	461	101	3.3	5.9	28.26	1.30	1981	1972
<i>300</i>	460	9679	457	-31.2	-21.9	-39.0	171	-39.6	444	107	5.7	7.7	31.63	1.46	1987	1972
<i>250</i>	440	10944	438	-41.6	-29.1	-50.0	28	-46.5	418	105	8.7	10.5	39.75	1.69	1987	1977
<i>200</i>	409	12420	408	-54.0	-40.5	-64.0			386	100	13.0	15.0	50.34	1.70	1987	1977
<i>175</i>	376	13264	376	-61.1	-51.5	-71.9			352	101	15.0	17.2	54.47	1.70	1989	1990
<i>150</i>	321	14201	321	-68.6	-58.0	-78.0			304	103	15.6	17.6	69.56	1.78	1976	1976
<i>125</i>	270	15274	270	-75.5	-65.7	-86.0			256	107	13.3	15.7	79.10	1.87	1989	1977
<i>100</i>	234	16550	234	-79.6	-67.5	-88.0			219	098	8.7	10.9	86.64	2.16	1990	1972
<i>80</i>	185	17818	185	-75.6	-60.9	-88.0			169	091	6.7	9.6	98.36	2.40	1990	1977
<i>70</i>	162	18607	162	-72.0	-58.3	-87.0			145	095	6.4	9.4	109.04	2.37	1990	1977
<i>60</i>	138	19520	138	-68.2	-53.9	-83.0			118	091	6.5	9.5	116.00	2.51	1990	1977
<i>50</i>	105	20625	105	-64.0	-48.1	-78.0			91	101	9.3	12.6	145.42	3.76	1990	1977
<i>40</i>	81	22026	81	-59.8	-45.1	-71.0			66	100	12.1	15.5	160.32	3.51	1990	1977
<i>30</i>	57	23879	57	-54.2	-42.1	-63.0			46	093	18.8	21.0	188.97	2.92	1990	1977
<i>25</i>	51	25062	51	-51.3	-40.5	-59.7			41	094	19.0	23.0	198.70	2.95	1990	1988
<i>20</i>	36	26570	36	-48.1	-37.5	-56.1			27	097	22.0	25.9	218.26	2.49	1990	1988
<i>15</i>	31	28482	31	-45.0	-35.7	-52.7			23	099	26.0	30.0	273.50	2.28	1990	1984
<i>10</i>	18	31097	18	-43.1	-35.5	-48.9			15	089	23.7	29.2			1984	1984
<i>7</i>	11	33448	11	-41.6	-38.5	-45.5			10	100	15.1	20.5			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

523	571	479		1	158	1366	-74.0		229	102	1642	-81.1
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NORMALS OF RADIOSONDE DATA

43369 MINICOY

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	1009	599	25.5	29.0	21.0	599	23.0	599	291	0.8	2.2	0.92	0.50	1972	1974
<i>1000</i>	518	85	518	25.2	28.8	20.0	517	22.6	518	305	0.9	3.0	6.56	0.56	1990	1974
<i>950</i>	518	517	518	23.2	29.2	16.6	517	20.1	518	323	1.3	4.4	18.98	0.70	1988	1983
<i>900</i>	518	1006	518	20.5	28.8	14.0	515	16.0	518	012	1.0	4.7	5.98	0.70	1990	1983
<i>850</i>	518	1499	518	17.7	27.6	11.8	514	12.0	518	043	1.1	5.0	6.16	0.74	1990	1983
<i>800</i>	518	2016	518	14.8	24.8	9.4	506	8.2	518	050	1.3	5.2	6.77	0.75	1990	1983
<i>750</i>	518	2551	517	11.9	22.8	6.0	486	4.2	517	052	0.9	5.2	12.40	0.71	1988	1985
<i>700</i>	518	3134	516	9.1	20.8	4.0	459	-0.1	517	058	0.5	5.0	8.56	0.65	1988	1983
<i>650</i>	514	3746	513	5.8	18.6	-6.0	428	-3.6	508	089	0.4	5.1	11.75	0.73	1988	1974
<i>600</i>	510	4396	509	2.3	14.6	-3.5	393	-6.7	503	093	1.3	5.3	11.58	0.81	1988	1982
<i>550</i>	499	5096	499	-1.4	10.0	-8.1	354	-10.4	492	084	2.1	5.5	16.84	0.92	1988	1990
<i>500</i>	493	5850	492	-5.5	5.2	-13.7	303	-14.4	485	077	2.8	6.0	16.23	0.97	1988	1986
<i>450</i>	485	6667	484	-10.3	0.0	-16.1	264	-19.5	475	081	3.5	6.3	21.75	1.00	1990	1983
<i>400</i>	478	7569	478	-16.0	-5.5	-23.3	223	-25.3	466	082	3.6	6.5	22.43	1.16	1990	1983
<i>350</i>	470	8559	470	-22.9	-13.1	-30.7	176	-32.1	452	091	3.5	6.5	27.69	1.39	1988	1983
<i>300</i>	465	9679	464	-31.2	-21.7	-39.0	124	-39.7	444	104	3.8	7.0	33.46	1.70	1988	1977
<i>250</i>	449	10943	448	-41.6	-31.1	-50.3	16	-47.8	424	122	5.3	9.0	42.35	2.02	1989	1983
<i>200</i>	415	12419	414	-54.1	-42.3	-65.7			389	127	7.1	11.7	58.67	2.44	1990	1982
<i>175</i>	370	13260	369	-61.1	-50.7	-73.0			342	127	7.0	12.0	67.25	2.64	1989	1977
<i>150</i>	338	14201	336	-68.3	-56.5	-81.3			309	134	5.6	11.2	78.99	2.82	1990	1983
<i>125</i>	288	15269	288	-75.8	-65.0	-88.0			262	119	2.9	8.5	95.61	3.09	1971	1977
<i>100</i>	244	16538	244	-80.7	-69.9	-91.0			225	098	5.4	8.4	116.84	2.51	1989	1977
<i>80</i>	201	17803	201	-77.1	-66.0	-88.7			181	094	4.5	7.8	136.36	3.17	1976	1989
<i>70</i>	176	18598	176	-72.7	-61.1	-84.1			157	095	3.7	7.7	133.47	2.38	1990	1988
<i>60</i>	152	19513	152	-68.0	-55.9	-80.9			133	092	3.9	9.4	130.13	2.69	1990	1988
<i>50</i>	117	20628	117	-63.7	-52.3	-77.1			101	097	6.1	12.0	146.76	2.71	1990	1988
<i>40</i>	83	22030	83	-59.3	-44.5	-72.1			67	096	10.4	15.8	132.26	3.36	1990	1988
<i>30</i>	55	23907	55	-52.9	-40.7	-64.9			47	091	13.4	19.5	176.77	4.25	1983	1988
<i>25</i>	44	25086	44	-50.0	-36.3	-60.1			35	091	15.6	22.0	218.65	5.35	1983	1988
<i>20</i>	30	26667	30	-45.1	-35.7	-55.5			23	108	9.2	22.5	209.30	4.97	1983	1986
<i>15</i>	16	28604	16	-44.0	-37.9	-55.1			9	087	2.3	22.6			1990	1987
<i>10</i>	10	31269	10	-40.5	-34.9	-45.9			5	072	6.7	25.4			1989	1990
<i>7</i>	2	33812	2	-39.2	-32.9	-45.5									1988	1990

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

504 568 485

235 100 1652 -82.9

NORMALS OF RADIOSONDE DATA

43369 MINICOY

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1010	620	25.1	28.2	20.0	520	22.6	620	034	1.0	1.8	0.71	0.72	1987	1971
1000	559	91	559	24.9	28.6	19.0	558	22.2	559	035	1.5	2.9	4.52	0.64	1982	1978
950	559	525	558	23.0	31.2	18.0	557	19.4	559	047	2.4	4.1	20.84	0.76	1990	1975
900	559	1010	558	20.3	29.2	8.0	555	14.9	559	069	3.4	4.9	6.07	0.94	1990	1975
850	559	1502	558	17.4	26.0	12.0	553	10.4	559	074	3.8	5.4	7.29	0.88	1990	1971
800	559	2018	558	14.5	22.0	8.4	543	6.1	559	077	3.4	5.3	8.54	0.77	1990	1981
750	559	2553	557	11.8	18.6	5.0	513	2.0	559	085	3.0	5.2	12.95	0.71	1987	1971
700	559	3136	556	8.9	16.6	-9.9	468	-1.7	559	089	2.8	5.2	11.10	0.62	1987	1983
650	544	3749	540	5.8	14.4	-4.3	418	-5.4	542	092	3.3	5.6	13.12	0.67	1987	1982
600	537	4398	533	2.2	10.6	-6.5	371	-8.7	533	094	4.2	6.3	12.14	0.78	1987	1984
550	531	5096	527	-1.6	6.4	-8.5	332	-12.6	524	091	4.6	6.8	13.52	0.84	1987	1989
500	526	5848	522	-5.9	6.5	-13.9	277	-17.0	519	092	4.9	7.4	15.76	0.92	1983	1989
450	520	6666	517	-10.6	0.8	-18.9	224	-20.9	516	089	4.8	7.6	19.49	1.00	1989	1988
400	512	7565	509	-16.3	-8.1	-24.0	175	-26.4	507	086	4.2	8.0	21.94	1.08	1987	1976
350	497	8555	494	-23.3	-13.1	-35.1	136	-32.9	487	095	3.1	8.0	28.73	1.20	1990	1989
300	483	9570	481	-31.8	-23.5	-42.0	91	-40.4	470	144	3.3	8.7	32.80	1.46	1989	1976
250	454	10933	453	-42.1	-32.1	-52.0	10	-46.2	441	158	4.9	10.0	41.66	1.73	1989	1976
200	429	12405	428	-54.5	-39.7	-64.0			415	169	5.5	11.9	53.27	1.89	1982	1976
175	393	13244	393	-61.5	-50.1	-71.3			378	174	5.3	12.6	59.10	1.89	1989	1979
150	353	14182	353	-68.5	-56.1	-78.0			335	196	4.0	12.1	71.11	1.92	1989	1976
125	296	15249	296	-75.4	-61.1	-86.0			281	227	2.2	10.8	80.19	1.84	1989	1976
100	245	16520	245	-81.0	-65.7	-89.1			234	087	1.9	8.7	92.29	1.95	1989	1984
80	189	17779	188	-78.7	-64.3	-89.0			171	088	4.1	8.5	95.65	2.53	1989	1977
70	169	18550	168	-74.2	-59.5	-86.3			152	081	3.5	8.8	110.10	2.81	1989	1989
60	137	19459	137	-69.3	-55.5	-81.1			124	108	2.3	10.3	113.54	2.96	1989	1989
50	111	20564	111	-64.7	-50.3	-77.0			101	101	3.8	13.2	114.18	2.78	1989	1973
40	71	21945	71	-59.7	-44.9	-70.0			64	101	3.5	14.4	95.20	3.61	1987	1973
30	43	23801	43	-53.5	-38.9	-63.0			37	091	6.4	17.1	109.19	3.35	1989	1973
25	28	24972	28	-51.2	-37.7	-61.9			25	082	4.1	18.9	147.33	4.75	1989	1986
20	21	26537	21	-46.9	-36.9	-54.1			19	099	7.1	18.1	256.50	3.28	1989	1988
15	15	28478	15	-42.9	-35.5	-48.1			14	222	1.6	20.1			1989	1989
10	10	31310	10	-40.9	-34.9	-47.1			9	273	9.8	23.3			1989	1989
7	5	33776	5	-41.2	-38.5	-46.7			5	248	10.4	28.6			1988	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

530 569 451

227 097 1666 -83.0

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	617	1011	617	18.4	26.0	12.0	617	13.6	617	043	0.4	0.5	0.77	0.98	1984	1974
1000	566	106	564	19.8	27.2	14.0	564	12.8	560	028	2.9	3.7	6.44	0.84	1990	1975
950	566	525	564	21.9	28.0	10.0	559	8.6	561	025	3.0	4.9	13.06	0.92	1974	1979
900	566	1018	566	19.4	29.0	11.0	539	5.7	561	023	1.1	4.4	7.29	1.06	1974	1988
850	566	1507	565	16.3	25.0	8.6	516	3.6	558	186	1.7	4.7	8.04	1.15	1974	1987
800	566	2019	563	13.0	20.6	6.0	473	0.6	560	187	3.0	5.6	9.67	1.17	1990	1976
750	566	2560	560	10.0	17.2	2.0	391	-3.1	560	212	2.8	6.3	10.95	1.33	1989	1987
700	566	3127	558	7.4	15.0	0.4	283	-7.4	562	257	4.2	7.3	12.53	1.33	1989	1981
650	557	3738	551	4.4	12.6	-6.0	221	-10.7	550	271	6.6	9.2	18.74	1.21	1990	1976
600	556	4381	547	0.9	7.0	-8.1	198	-13.7	549	269	8.6	10.7	15.98	1.11	1989	1982
550	553	5086	546	-3.3	5.6	-13.5	185	-16.6	550	268	10.7	12.6	17.83	1.20	1986	1982
500	552	5823	544	-8.1	1.0	-17.7	182	-20.9	549	268	12.9	15.0	20.62	1.41	1975	1982
450	549	6634	540	-13.4	-5.0	-20.9	168	-25.2	546	267	15.4	17.7	22.53	1.48	1975	1982
400	546	7521	541	-19.3	-10.0	-28.3	163	-30.6	544	266	18.5	20.7	28.71	1.72	1977	1982
350	537	8507	535	-26.0	-15.3	-36.3	155	-36.6	533	264	21.5	23.7	30.80	1.84	1988	1982
300	526	9602	526	-34.0	-20.9	-45.5	149	-43.7	522	261	23.7	26.2	41.52	1.94	1988	1988
250	510	10854	510	-43.7	-34.0	-58.1	138	-52.2	504	256	25.0	27.5	50.98	2.03	1978	1988
200	487	12318	486	-55.0	-45.0	-72.1	3	-58.7	482	253	25.3	27.6	61.60	2.20	1978	1988
175	466	13161	465	-61.2	-48.5	-75.9			459	253	25.0	26.9	67.94	2.19	1983	1988
150	449	14103	448	-67.5	-56.1	-79.9			443	254	22.7	24.4	74.92	2.29	1983	1988
125	420	15188	419	-73.2	-62.0	-87.5			414	255	18.7	20.5	80.98	2.66	1975	1988
100	389	16478	389	-78.4	-68.0	-89.9			382	257	13.3	15.2	89.07	2.68	1975	1988
80	322	17748	322	-78.4	-65.3	-89.9			315	258	8.2	10.7	101.72	2.30	1989	1988
70	295	18521	295	-75.5	-56.7	-89.9			288	257	6.0	8.9	106.35	2.51	1989	1988
60	258	19419	258	-70.8	-55.0	-86.3			250	256	3.7	7.8	116.40	2.92	1973	1988
50	205	20506	205	-66.0	-53.1	-77.5			198	272	1.2	6.8	127.14	3.01	1981	1988
40	128	21875	128	-61.7	-50.0	-76.3			122	307	0.9	6.4	128.82	3.09	1974	1983
30	63	23661	63	-57.4	-47.5	-68.3			60	077	0.9	7.5	152.56	2.97	1981	1983
25	36	24777	36	-56.0	-43.1	-65.7			34	015	0.9	8.3	147.72	3.08	1981	1985
20	23	26202	23	-54.1	-43.5	-66.7			21	304	3.8	9.1	140.44	3.18	1980	1985
15	13	28007	13	-52.2	-43.7	-63.1			11	265	7.3	10.1			1980	1985
10	7	30606	7	-51.2	-46.7	-57.7			6	274	8.9	12.0			1983	1985
7	5	32882	5	-49.7	-44.7	-54.9			5	267	14.3	16.0			1983	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

545	589	453		3	200	1228	-58.3		354	096	1671	-80.4
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NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	563	1010	563	19.5	27.6	12.0	563	14.0	563	017	0.5	0.7	1.32	0.77	1985	1972
1000	521	97	518	20.5	27.4	12.0	517	13.0	517	009	3.1	3.8	9.60	0.78	1985	1975
950	521	514	517	22.2	30.2	7.0	500	7.4	516	007	4.0	5.6	14.70	1.52	1980	1974
900	521	1010	519	20.0	28.4	8.6	479	3.4	518	351	2.6	5.2	10.49	1.79	1981	1983
850	521	1500	521	17.1	25.0	5.6	455	0.9	519	274	1.6	5.4	11.76	1.64	1971	1983
800	521	2014	520	13.9	21.0	5.0	424	-1.2	519	217	3.2	6.1	13.21	1.35	1976	1983
750	521	2550	519	10.4	17.0	3.0	374	-3.7	518	216	3.9	7.1	14.41	1.24	1971	1971
700	521	3123	516	6.9	15.0	0.0	316	-7.2	516	240	4.5	8.0	16.32	1.30	1989	1971
650	517	3731	513	3.5	10.6	-8.1	255	-11.6	512	260	5.6	9.3	20.01	1.29	1985	1989
600	515	4373	511	0.0	6.0	-10.1	208	-15.1	511	266	9.0	11.0	19.18	1.32	1985	1982
550	512	5073	507	-4.2	2.0	-11.1	181	-18.9	507	267	11.2	13.1	20.30	1.40	1972	1984
500	511	5810	507	-8.9	-3.0	-17.3	171	-23.0	508	268	13.5	15.3	23.49	1.49	1972	1979
450	508	6618	506	-14.2	-6.0	-27.5	162	-27.7	506	268	16.6	18.6	25.50	1.62	1977	1983
400	505	7503	505	-19.9	-11.7	-31.1	155	-32.7	501	267	19.6	21.7	30.56	1.83	1986	1988
350	497	8486	496	-26.5	-18.1	-38.5	133	-38.3	494	266	22.6	24.9	32.69	2.02	1990	1981
300	492	9580	490	-34.3	-24.1	-47.1	125	-45.1	489	262	25.1	27.3	42.24	1.99	1987	1988
250	482	10832	479	-43.8	-35.5	-57.1	114	-53.6	476	259	26.3	28.7	50.55	2.13	1987	1988
200	471	12296	469	-54.8	-46.3	-68.1	6	-59.2	465	257	25.7	28.1	62.84	2.20	1987	1988
175	451	13141	450	-61.0	-44.0	-75.3			443	257	24.2	26.6	69.65	2.42	1974	1988
150	434	14084	434	-67.3	-56.0	-79.1			424	256	22.3	24.6	77.23	2.55	1976	1988
125	403	15164	403	-73.6	-62.0	-84.7			396	258	18.8	20.7	84.01	2.42	1975	1988
100	367	16456	367	-79.0	-66.1	-89.1			356	257	14.2	16.1	94.55	2.64	1982	1985
80	318	17726	318	-79.4	-70.5	-89.1			306	259	8.7	11.1	104.67	2.40	1986	1985
70	283	18494	283	-76.3	-61.0	-86.5			273	258	7.0	9.3	107.55	2.35	1974	1987
60	253	19395	253	-71.5	-60.5	-80.9			246	255	5.6	8.3	111.33	2.39	1990	1988
50	207	20484	207	-66.1	-52.1	-77.1			199	254	3.4	7.9	120.31	2.41	1980	1988
40	111	21854	111	-62.5	-54.0	-76.0			105	268	2.3	7.6	104.57	2.49	1974	1976
30	50	23619	50	-58.6	-47.0	-66.7			46	295	2.0	7.8	141.93	3.66	1977	1985
25	31	24717	31	-57.3	-47.7	-65.5			28	291	2.0	7.2	135.76	3.83	1986	1980
20	16	26098	16	-54.5	-47.7	-60.1			13	274	1.6	8.1			1980	1987
15	5	28015	5	-49.1	-42.9	-53.7			5	348	1.7	8.2			1980	1983
10	3	30634	3	-47.9	-44.7	-51.9			2	244	5.6	6.5			1984	1983
7	2	32863	2	-46.0	-41.7	-50.3			2	266	5.4	5.5			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
513	602	436					337	096	1673	-81.0

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	589	1009	589	22.3	30.0	16.0	589	18.0	589	007	0.3	0.5	0.76	0.91	1977	1971
1000	547	88	544	22.8	30.0	17.2	542	17.0	544	005	2.5	3.0	6.00	0.94	1977	1983
950	547	509	544	24.2	32.0	12.8	526	10.1	544	360	4.4	5.7	9.49	1.68	1973	1982
900	547	1007	545	22.7	30.0	10.4	494	4.5	543	358	4.3	6.2	5.91	1.86	1986	1981
850	547	1502	544	20.2	28.4	9.6	465	1.4	543	335	3.2	6.0	7.15	1.65	1986	1990
800	547	2021	546	16.9	24.2	5.4	433	-0.4	543	271	2.3	6.0	8.72	1.49	1986	1990
750	547	2560	546	12.8	19.4	4.0	417	-2.2	544	220	3.3	6.5	10.77	1.26	1986	1987
700	547	3140	546	8.4	14.0	2.0	409	-4.7	543	210	3.9	7.2	12.58	1.13	1977	1971
650	543	3747	542	4.1	14.0	-3.7	375	-7.9	539	227	4.1	7.6	22.12	1.14	1984	1981
600	540	4393	537	0.2	6.6	-6.7	313	-12.1	535	255	5.1	8.1	15.08	1.23	1986	1983
550	536	5094	528	-3.8	6.2	-11.7	250	-17.5	531	268	6.9	9.5	12.66	1.26	1986	1989
500	531	5833	525	-8.5	-0.9	-15.9	198	-22.3	526	271	9.4	11.6	19.53	1.34	1988	1981
450	528	6641	524	-13.8	-2.3	-22.3	181	-27.1	521	269	11.7	14.2	20.01	1.49	1990	1983
400	524	7528	523	-20.0	-9.1	-29.3	170	-32.0	519	272	14.3	16.9	26.26	1.61	1990	1984
350	519	8510	516	-26.7	-14.7	-36.3	154	-37.9	513	271	17.6	20.2	27.38	1.72	1988	1981
300	507	9603	504	-34.3	-23.5	-47.1	138	-44.8	500	266	21.0	23.9	36.15	1.71	1987	1981
250	488	10854	486	-43.4	-32.3	-52.9	117	-52.6	479	261	23.1	26.2	43.33	1.67	1987	1981
200	477	12320	475	-53.9	-45.0	-67.1	10	-58.8	469	259	23.3	26.1	50.28	1.61	1976	1982
175	448	13162	448	-59.9	-51.0	-68.5			442	256	22.2	24.5	55.99	1.58	1977	1986
150	426	14110	426	-66.1	-54.0	-76.3			420	255	20.1	22.0	62.11	1.90	1977	1989
125	389	15197	389	-72.1	-60.0	-83.9			385	257	16.8	18.6	69.78	2.43	1977	1980
100	361	16495	361	-77.4	-66.0	-89.0			354	259	11.2	13.4	79.62	2.35	1977	1978
80	304	17768	303	-77.9	-64.0	-87.1			295	259	5.7	9.5	89.59	1.58	1971	1988
70	272	18536	270	-75.4	-60.0	-84.9			262	258	4.9	8.1	89.76	1.82	1971	1985
60	242	19433	242	-71.2	-60.0	-86.3			227	260	3.4	7.6	95.27	2.20	1974	1982
50	194	20529	194	-66.1	-54.7	-77.3			176	266	2.3	6.9	95.22	2.39	1990	1987
40	122	21910	122	-61.3	-49.5	-76.1			111	302	1.3	7.0	101.25	2.81	1980	1989
30	62	23706	62	-56.0	-40.7	-65.1			58	359	1.5	7.7	111.14	2.81	1980	1985
25	39	24802	39	-54.2	-46.0	-61.5			36	331	2.4	7.1	122.36	3.23	1972	1985
20	26	26242	26	-51.8	-41.1	-57.9			25	293	2.5	8.1	51.73	1.54	1984	1986
15	16	28102	16	-49.3	-44.9	-53.7			16	288	2.5	8.3			1980	1985
10	5	30714	5	-44.3	-40.7	-48.1			4	323	4.7	12.0			1983	1985
7	2	33163	2	-41.3	-40.1	-42.5			2	253	6.7	25.5			1983	1987

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

539 598 442

319 093 1690 -79.7

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	570	1007	570	25.0	29.0	20.4	570	22.0	570	019	0.1	0.3	0.92	0.82	1972	1986
1000	551	71	550	25.1	30.0	20.8	549	21.3	550	352	1.0	1.6	6.37	0.75	1972	1981
950	551	496	547	24.9	32.6	16.6	542	15.3	548	339	3.1	4.9	10.81	0.82	1989	1987
900	551	993	545	23.9	30.0	14.4	516	7.8	548	338	4.4	6.1	5.79	0.93	1971	1983
850	551	1490	550	21.8	30.0	9.0	503	3.1	547	331	4.4	6.6	5.70	1.02	1973	1977
800	551	2012	548	18.8	26.0	7.4	482	0.4	549	308	3.6	6.8	6.04	1.11	1990	1983
750	551	2557	548	14.9	26.0	3.4	475	-1.1	546	257	2.5	6.6	7.41	1.04	1977	1983
700	551	3139	548	10.3	19.0	0.4	459	-2.9	547	203	2.9	6.7	8.05	1.05	1990	1983
650	543	3751	539	5.5	13.6	-3.9	442	-5.7	538	193	3.6	7.1	14.39	1.04	1990	1989
600	540	4398	535	1.0	8.0	-9.9	381	-9.3	535	213	3.1	7.0	11.20	1.11	1990	1989
550	536	5104	531	-3.3	5.0	-11.5	319	-15.5	531	260	3.8	7.2	11.52	1.22	1980	1980
500	535	5841	529	-7.7	0.2	-15.9	258	-22.1	528	277	5.7	8.5	15.21	1.32	1987	1980
450	532	6657	526	-12.9	-2.5	-22.9	230	-27.1	527	275	7.6	10.5	18.75	1.36	1990	1980
400	528	7542	524	-19.1	-9.5	-37.3	209	-32.0	523	269	10.1	13.0	23.77	1.50	1990	1988
350	518	8525	513	-26.0	-16.3	-38.1	184	-38.0	509	267	12.9	15.9	28.44	1.63	1990	1983
300	510	9623	506	-33.9	-24.9	-44.1	157	-45.2	501	261	15.7	18.9	37.22	1.84	1990	1983
250	501	10877	497	-43.1	-32.7	-52.9	116	-53.0	494	256	18.0	21.3	47.34	2.06	1987	1983
200	486	12348	482	-53.6	-41.7	-63.5	9	-58.2	481	252	18.5	21.1	58.71	1.93	1990	1987
175	456	13200	453	-59.5	-49.1	-69.3			450	251	17.2	19.5	62.46	1.73	1987	1987
150	440	14151	437	-65.4	-54.1	-76.1			432	251	14.8	17.2	69.04	1.57	1988	1983
125	411	15238	409	-71.8	-60.7	-82.3			404	249	10.9	13.6	80.07	1.73	1987	1989
100	389	16535	388	-77.5	-65.5	-88.5			379	251	5.4	9.7	87.80	1.54	1987	1989
80	335	17810	334	-77.9	-63.0	-88.5			325	188	0.7	7.3	91.10	1.49	1971	1985
70	298	18578	298	-74.7	-59.5	-86.7			290	085	1.1	6.7	93.85	1.82	1981	1987
60	276	19482	276	-69.9	-52.1	-81.5			266	074	1.5	6.2	92.05	2.35	1981	1988
50	224	20577	224	-64.4	-48.0	-80.3			211	070	2.0	6.2	116.25	2.29	1973	1987
40	138	21948	138	-58.9	-48.0	-78.7			129	058	2.9	6.2	146.70	3.11	1978	1987
30	80	23775	80	-53.6	-43.0	-66.0			73	061	4.6	7.4	115.49	3.21	1976	1973
25	54	24920	54	-51.4	-41.1	-64.0			49	066	5.5	8.0	166.10	3.89	1980	1973
20	30	26364	30	-48.9	-40.9	-56.7			28	066	6.8	9.3	131.60	3.56	1986	1983
15	16	28279	16	-46.4	-37.3	-54.1			15	058	6.3	10.5			1981	1983
10	10	30943	10	-44.2	-35.7	-50.5			8	033	4.6	13.5			1985	1983
7	4	33433	4	-42.5	-37.5	-47.5			4	346	8.9	14.0			1986	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

534 588 456

343 094 1695 -79.5

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1005	620	27.3	30.0	23.0	620	23.8	620	241	0.4	0.6	0.92	0.55	1972	1976
<i>1000</i>	571	58	567	27.2	31.0	21.8	566	23.3	566	280	0.8	1.5	10.20	0.45	1989	1990
<i>950</i>	571	485	567	25.0	31.6	19.0	564	20.4	571	280	2.2	4.2	12.86	0.99	1989	1973
<i>900</i>	571	982	566	22.9	31.0	13.0	560	14.4	569	291	3.3	5.3	10.20	1.03	1987	1977
<i>850</i>	571	1478	565	21.6	29.0	13.2	541	7.7	569	309	4.2	6.3	9.68	0.76	1978	1987
<i>800</i>	570	2001	569	19.3	25.6	11.0	521	3.3	568	311	3.8	6.3	9.52	0.83	1989	1985
<i>750</i>	570	2549	569	15.8	22.6	7.2	504	0.4	567	299	2.1	5.9	9.60	0.91	1989	1981
<i>700</i>	570	3132	565	11.5	19.0	5.0	484	-2.2	566	218	1.1	5.7	8.58	0.96	1989	1974
<i>650</i>	569	3747	562	6.9	14.0	0.6	452	-5.0	564	180	1.4	5.9	15.89	0.87	1976	1984
<i>600</i>	566	4396	560	2.4	9.0	-7.9	393	-8.6	560	167	0.7	5.7	9.20	0.91	1973	1989
<i>550</i>	562	5104	553	-1.7	7.0	-9.1	311	-13.8	555	354	1.3	5.9	11.05	0.97	1978	1982
<i>500</i>	560	5846	556	-6.0	1.0	-14.1	251	-19.8	554	342	2.9	6.9	12.12	1.04	1978	1981
<i>450</i>	554	6666	549	-10.9	8.6	-18.3	214	-24.6	549	330	3.6	8.0	14.69	1.22	1990	1990
<i>400</i>	550	7562	546	-16.7	-6.9	-24.9	186	-30.0	545	307	3.9	9.0	16.21	1.43	1990	1982
<i>350</i>	541	8554	536	-23.3	-12.1	-32.1	165	-36.0	533	285	4.7	9.6	22.37	1.67	1990	1982
<i>300</i>	530	9666	528	-31.1	-19.7	-40.5	154	-43.4	519	268	6.0	10.3	28.64	1.72	1990	1987
<i>250</i>	515	10934	513	-40.4	-28.7	-49.1	134	-51.1	510	252	7.0	10.8	37.41	1.79	1990	1979
<i>200</i>	494	12420	494	-51.8	-40.5	-60.3	22	-58.1	487	235	7.0	11.0	53.00	1.79	1990	1979
<i>175</i>	461	13272	460	-58.3	-42.1	-68.0	1	-61.0	454	228	6.8	11.2	59.43	1.95	1987	1977
<i>150</i>	443	14228	443	-65.4	-53.7	-74.5			437	215	5.4	10.6	68.32	2.02	1990	1981
<i>125</i>	392	15315	391	-72.3	-55.1	-82.0			386	181	3.5	9.8	80.96	2.20	1989	1977
<i>100</i>	360	16609	360	-78.1	-67.0	-89.1			353	116	4.4	9.3	93.02	2.43	1976	1981
<i>80</i>	310	17878	309	-77.9	-66.0	-89.0			303	097	7.4	9.4	99.05	2.49	1972	1978
<i>70</i>	282	18652	281	-74.1	-62.0	-86.0			275	087	7.2	9.2	100.55	2.06	1972	1978
<i>60</i>	246	19557	245	-68.3	-57.0	-82.1			240	076	7.2	8.9	112.02	1.93	1977	1984
<i>50</i>	201	20661	200	-62.3	-51.3	-72.9			193	076	8.7	9.8	112.39	1.76	1986	1983
<i>40</i>	130	22028	130	-58.0	-47.5	-69.7			125	078	10.7	11.6	122.27	2.08	1981	1983
<i>30</i>	79	23864	79	-52.6	-44.1	-63.5			77	080	12.0	12.5	142.85	3.83	1981	1983
<i>25</i>	58	25020	58	-50.1	-40.5	-62.0			57	080	12.6	13.3	150.12	3.18	1981	1974
<i>20</i>	31	26467	31	-46.9	-35.5	-54.9			28	079	12.7	13.8	148.95	2.61	1981	1983
<i>15</i>	12	28251	12	-46.5	-39.5	-54.3			11	066	14.5	16.5			1983	1987
<i>10</i>	8	30919	8	-44.3	-41.1	-50.1			6	070	16.9	17.7			1983	1982
<i>7</i>	3	33172	3	-43.6	-40.9	-46.1			2	067	25.3	25.5			1986	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
553	569	432					321	094	1693	-80.1

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1002	600	27.5	30.4	23.0	600	24.6	598	232	2.0	2.7	0.84	0.49	1981	1972
1000	571	28	449	27.5	31.0	19.0	449	24.5	450	236	2.1	2.8	6.83	0.54	1988	1975
950	571	456	570	24.7	32.0	19.6	570	22.1	571	237	5.4	6.9	10.18	0.78	1988	1986
900	571	952	570	21.8	29.0	16.0	570	19.0	569	240	6.6	8.3	6.72	0.79	1988	1971
850	571	1446	569	19.2	27.6	14.0	569	15.4	570	241	6.3	8.3	7.38	0.74	1984	1971
800	571	1966	571	16.7	26.6	11.0	570	11.2	568	243	5.2	7.9	8.22	0.87	1987	1986
750	571	2513	570	14.0	23.0	6.2	564	6.5	566	244	3.9	7.7	10.66	0.70	1988	1985
700	571	3091	569	11.1	19.4	3.6	558	2.1	566	249	2.5	7.6	9.62	0.68	1988	1986
650	565	3708	563	7.4	15.0	-0.3	545	-1.4	560	255	1.6	7.3	14.40	0.84	1988	1986
600	562	4360	556	3.4	10.8	-5.3	521	-4.2	555	271	0.8	6.9	10.41	0.95	1988	1986
550	561	5072	555	-0.5	9.0	-10.1	500	-8.0	551	305	0.3	6.4	16.65	1.04	1974	1989
500	558	5817	551	-4.2	4.8	-12.0	449	-12.0	551	347	0.4	6.1	12.88	1.11	1981	1974
450	554	6646	548	-8.4	-0.1	-16.7	412	-16.6	547	038	0.8	6.0	16.72	1.31	1987	1979
400	552	7548	549	-13.7	-4.9	-23.7	390	-22.1	546	072	1.4	5.8	19.87	1.42	1990	1986
350	546	8554	544	-20.2	-11.5	-33.5	372	-29.1	539	081	2.5	6.1	26.48	1.56	1990	1986
300	540	9678	536	-28.4	-18.9	-40.7	317	-36.8	535	088	4.0	7.0	30.52	1.59	1990	1986
250	533	10959	529	-38.3	-27.7	-50.5	222	-45.8	528	087	6.1	8.9	38.90	1.72	1983	1986
200	523	12456	521	-50.6	-39.1	-61.9	53	-56.1	516	091	10.3	12.7	50.62	1.95	1990	1989
175	500	13313	498	-57.7	-48.5	-72.0	1	-61.0	491	093	12.5	15.0	55.74	2.04	1990	1974
150	482	14270	480	-65.2	-50.0	-76.5			474	091	15.2	17.3	63.49	2.16	1974	1983
125	440	15357	438	-72.8	-55.0	-83.5			432	088	18.1	19.9	68.81	2.25	1978	1979
100	403	16647	403	-78.8	-68.0	-88.3			395	085	21.0	22.0	89.24	2.13	1976	1979
80	345	17921	345	-77.3	-68.0	-90.1			338	082	19.5	20.2	101.39	2.32	1976	1981
70	321	18693	321	-73.2	-59.7	-84.7			314	081	17.6	18.3	105.64	2.30	1982	1983
60	285	19605	285	-68.2	-55.5	-81.1			279	078	16.1	16.8	105.37	2.08	1981	1988
50	233	20700	233	-63.0	-50.5	-75.7			228	077	16.3	17.0	115.79	1.86	1981	1988
40	157	22083	157	-58.7	-45.0	-70.0			152	080	17.6	18.2	147.09	2.21	1977	1978
30	97	23901	97	-53.4	-42.0	-66.0			92	080	19.3	19.9	168.06	2.36	1976	1978
25	62	25028	62	-51.6	-38.3	-61.1			58	077	20.4	21.1	228.99	3.81	1979	1984
20	35	26443	35	-49.4	-40.9	-57.9			35	075	22.3	23.2	305.08	3.21	1990	1984
15	23	28341	23	-46.0	-35.9	-54.1			22	079	25.0	25.8	339.08	4.36	1990	1984
10	12	30951	12	-44.0	-37.7	-50.5			12	074	25.0	26.1			1982	1988
7	8	33356	8	-41.3	-38.1	-48.9			7	073	31.1	31.7			1983	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

552 555 498

371 097 1681 -80.5

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	1002	619	26.7	29.0	23.4	619	24.6	619	247	3.3	3.8	0.97	0.36	1974	1981
1000	581	29	470	26.7	28.8	23.0	470	24.4	458	249	3.5	3.9	8.75	0.33	1987	1989
950	581	453	580	23.8	34.6	19.0	579	21.6	567	247	8.6	9.5	14.45	0.70	1989	1974
900	581	949	580	20.9	28.0	16.0	580	18.6	567	250	9.9	10.7	8.77	0.89	1976	1972
850	581	1442	579	17.9	24.8	7.0	579	15.5	568	249	9.3	10.1	9.48	0.98	1989	1974
800	581	1958	580	15.0	22.6	9.4	579	12.4	561	246	8.8	9.7	10.20	1.05	1990	1986
750	581	2504	581	12.5	25.0	5.8	580	8.5	561	251	8.0	9.1	12.13	0.99	1976	1986
700	581	3079	579	10.2	17.6	2.2	576	2.9	560	260	7.2	8.7	11.83	0.82	1990	1982
650	576	3696	574	7.1	15.0	-5.0	566	-1.3	548	271	5.6	7.8	13.17	0.89	1975	1973
600	569	4345	567	3.3	10.6	-5.5	555	-4.4	539	280	4.1	7.1	13.21	0.97	1989	1986
550	565	5058	557	-0.5	7.0	-8.0	539	-7.7	534	291	2.9	6.3	20.61	1.05	1988	1972
500	558	5803	545	-4.4	4.8	-10.9	519	-11.9	529	307	1.5	5.4	17.16	1.10	1988	1986
450	552	6631	543	-8.9	-1.1	-21.0	493	-16.4	524	043	1.1	5.2	21.58	1.19	1988	1974
400	551	7533	544	-14.3	-5.5	-23.0	484	-22.1	523	072	2.4	5.4	23.63	1.29	1988	1978
350	540	8535	537	-21.0	-11.7	-30.1	460	-28.7	513	077	4.9	6.6	26.50	1.40	1990	1986
300	534	9658	532	-29.0	-19.9	-38.3	407	-36.7	508	079	7.8	8.9	32.06	1.48	1988	1986
250	515	10936	514	-39.0	-29.1	-48.1	223	-45.6	492	080	12.1	13.0	38.82	1.68	1990	1982
200	497	12429	496	-51.3	-39.7	-62.7	51	-55.2	474	081	19.2	19.9	48.56	2.00	1988	1982
175	462	13280	461	-58.6	-48.5	-71.1	2	-55.5	445	080	22.6	23.4	50.62	1.97	1988	1981
150	436	14231	435	-66.4	-54.1	-78.7			421	080	26.9	27.8	55.62	1.94	1983	1987
125	400	15315	400	-73.8	-59.0	-87.1			385	082	30.0	31.0	68.16	2.29	1974	1984
100	363	16602	363	-78.3	-62.7	-88.7			350	082	29.6	30.6	80.15	2.34	1988	1986
80	302	17877	301	-74.9	-61.0	-85.7			287	079	25.0	25.8	98.52	2.96	1976	1987
70	271	18665	270	-70.7	-56.0	-81.0			257	077	22.8	23.5	102.00	2.90	1976	1978
60	236	19590	235	-66.7	-56.1	-80.0			225	076	21.0	21.6	116.07	2.39	1989	1978
50	194	20719	194	-62.7	-50.7	-78.0			183	077	21.6	22.3	126.54	2.63	1980	1978
40	130	22103	130	-58.6	-43.0	-75.0			122	078	23.3	23.9	136.06	3.26	1977	1978
30	81	23953	81	-53.2	-37.0	-70.0			71	080	23.4	23.9	150.93	4.62	1977	1978
25	54	25131	54	-51.2	-39.5	-68.0			49	078	25.0	25.8	142.24	5.17	1988	1978
20	30	26609	30	-48.3	-33.1	-68.9			24	083	27.8	28.7	232.69	4.89	1988	1983
15	17	28596	17	-45.5	-37.5	-54.7			13	082	28.2	29.0			1988	1985
10	10	31341	10	-42.2	-38.9	-47.9			9	084	32.0	33.0			1988	1988
7	4	33619	4	-42.3	-39.3	-44.3			3	075	38.4	42.3			1988	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
557	556	495					340	102	1646	-79.5

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	615	1003	615	26.1	28.6	23.0	614	24.2	615	257	2.9	3.2	0.74	0.35	1987	1971
1000	582	37	522	25.9	28.4	23.0	522	23.9	519	259	3.3	3.6	6.48	0.36	1987	1971
950	582	461	582	23.2	29.4	18.6	582	20.9	577	255	8.3	8.9	11.63	0.70	1983	1987
900	582	956	582	20.3	26.4	15.8	582	18.1	577	256	9.2	9.8	6.50	0.91	1982	1987
850	582	1447	582	17.4	27.2	13.0	582	15.1	576	255	9.0	9.6	7.06	0.97	1987	1971
800	582	1964	580	14.6	20.4	10.0	580	12.0	575	253	8.3	9.1	7.93	1.04	1990	1973
750	582	2508	575	12.1	20.0	5.8	574	8.1	573	260	7.6	8.7	10.38	0.94	1985	1981
700	582	3082	576	9.7	17.0	4.4	573	2.8	573	271	6.5	8.1	9.55	0.82	1984	1989
650	577	3698	572	6.7	14.4	-3.5	565	-1.2	564	281	5.4	7.4	12.84	0.94	1989	1981
600	574	4346	567	3.1	10.0	-2.7	554	-4.4	559	290	4.2	6.8	12.44	1.00	1989	1979
550	571	5060	566	-0.5	5.6	-5.5	541	-7.9	556	303	3.0	5.9	19.48	1.10	1990	1980
500	564	5804	558	-4.4	3.0	-10.1	517	-11.9	549	332	1.7	5.2	16.42	1.12	1990	1982
450	554	6633	548	-8.9	8.0	-14.5	496	-16.6	539	013	1.4	4.9	19.10	1.20	1983	1982
400	551	7532	544	-14.4	-6.1	-20.7	473	-22.2	535	058	2.5	5.1	22.57	1.26	1990	1979
350	540	8534	536	-21.0	-10.3	-28.9	442	-28.8	526	070	4.5	6.1	24.93	1.44	1990	1981
300	533	9656	530	-29.2	-16.3	-38.9	394	-37.0	522	078	7.4	8.3	32.91	1.88	1990	1981
250	517	10933	517	-39.2	-22.7	-48.9	230	-45.9	504	081	11.1	11.9	42.58	2.19	1990	1981
200	494	12423	492	-51.6	-42.1	-62.9	46	-56.6	485	083	17.5	18.2	55.06	2.42	1988	1981
175	459	13275	457	-58.9	-48.3	-71.5	1	-58.0	447	083	21.1	21.9	63.77	2.49	1990	1981
150	435	14225	433	-66.8	-54.9	-78.1			428	082	24.5	25.5	73.08	2.55	1990	1981
125	399	15302	399	-74.6	-60.9	-84.5			392	082	27.4	28.3	85.21	2.63	1990	1981
100	341	16580	341	-79.1	-59.5	-90.5			337	086	26.5	27.2	100.19	2.56	1984	1979
80	282	17862	280	-74.8	-58.0	-87.5			278	080	22.1	22.7	117.96	2.65	1976	1987
70	250	18647	248	-71.0	-61.3	-85.1			246	078	20.7	21.3	131.64	2.47	1990	1987
60	224	19568	224	-67.1	-55.5	-80.0			220	079	20.0	20.6	138.04	2.54	1983	1978
50	186	20680	186	-63.1	-51.3	-76.0			180	078	20.7	21.3	145.09	2.66	1981	1973
40	124	22081	124	-59.1	-48.1	-69.9			117	080	22.2	22.6	139.15	2.47	1981	1982
30	73	23920	73	-54.5	-40.0	-60.3			64	082	23.4	23.9	171.31	4.46	1976	1983
25	48	25056	48	-52.9	-46.1	-59.1			45	083	25.8	26.2	177.15	1.95	1986	1987
20	29	26581	29	-49.7	-42.1	-57.7			27	082	29.0	29.6	194.17	1.96	1983	1984
15	12	28367	12	-48.6	-40.5	-53.5			11	085	33.3	33.8			1980	1984
10	5	30918	5	-45.8	-40.5	-51.5			4	082	37.9	38.5			1986	1984
7	1	33600	1	-44.5	-44.5	-44.5			1	080	45.0	45.0			1986	1986

FREEZING LEVEL

N	P	A-T
568	557	494

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
317	105	1632	-80.5

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	593	1005	593	25.5	28.2	23.0	593	23.8	593	263	0.5	0.9	1.22	0.37	1986	1973
1000	565	61	554	25.3	29.0	21.2	553	23.5	555	284	0.9	1.7	9.76	0.37	1973	1990
950	566	484	566	23.2	29.0	18.2	566	20.4	565	274	2.6	5.1	12.94	0.59	1971	1986
900	556	979	566	20.5	27.0	16.0	565	17.2	565	271	2.8	5.6	10.04	0.71	1972	1971
850	566	1471	566	17.7	25.0	11.4	565	13.9	565	266	2.1	5.7	10.44	0.73	1986	1983
800	566	1988	566	14.8	22.6	9.6	562	10.5	565	251	1.4	5.6	10.84	0.75	1985	1982
750	566	2529	564	12.0	18.6	6.0	559	6.2	564	241	0.9	5.8	10.58	0.69	1985	1974
700	566	3106	561	8.9	14.8	3.0	550	1.8	563	239	0.6	5.6	10.70	0.75	1989	1987
650	560	3717	555	5.7	14.0	0.0	529	-2.0	555	287	0.5	5.3	11.76	0.80	1973	1987
600	559	4366	554	2.5	11.4	-3.0	498	-5.7	553	278	0.4	4.9	11.06	0.89	1989	1978
550	550	5077	543	-0.9	9.6	-10.3	450	-9.6	544	343	0.4	4.7	15.36	0.89	1988	1987
500	542	5821	533	-4.8	1.2	-10.1	416	-13.8	536	025	0.8	4.7	12.42	0.87	1990	1982
450	537	6648	531	-9.6	-2.7	-16.3	437	-18.3	532	047	1.6	4.8	14.63	0.92	1990	1987
400	532	7546	529	-15.3	-9.5	-22.1	402	-24.2	527	069	2.4	5.0	16.85	1.07	1990	1981
350	527	8545	525	-22.2	-14.3	-29.3	376	-30.8	522	080	3.7	5.9	13.15	1.29	1988	1982
300	520	9659	518	-30.4	-22.3	-36.9	327	-38.8	516	085	5.3	6.8	23.33	1.56	1988	1980
250	507	10931	505	-40.5	-31.3	-47.3	184	-47.9	503	092	7.3	8.7	29.61	1.63	1982	1981
200	496	12410	491	-53.2	-43.7	-63.3	26	-56.4	493	097	10.5	12.2	40.11	1.97	1990	1984
175	479	13259	479	-60.2	-50.5	-69.5	3	-66.1	475	096	12.6	14.4	47.75	2.17	1990	1981
150	457	14202	457	-67.9	-57.3	-79.0			452	095	15.2	16.7	57.74	2.30	1990	1977
125	420	15277	420	-75.0	-59.3	-85.9			413	092	16.6	17.9	71.36	2.46	1980	1979
100	378	16557	378	-78.9	-65.0	-92.0			372	086	16.6	17.4	85.98	2.26	1976	1978
80	327	17839	327	-74.6	-56.0	-88.5			320	080	13.7	14.5	96.72	2.86	1976	1981
70	290	18623	290	-70.9	-54.0	-82.0			284	078	13.1	13.8	104.02	3.13	1976	1977
60	254	19540	254	-66.8	-46.0	-78.0			247	078	13.9	14.5	106.88	3.06	1976	1973
50	205	20649	208	-62.6	-49.0	-73.0			204	079	15.6	16.2	112.32	2.77	1973	1978
40	133	22017	133	-59.1	-47.5	-68.1			125	079	16.9	17.5	137.83	3.10	1981	1981
30	72	23834	72	-54.7	-42.7	-65.3			66	082	18.9	19.4	219.56	3.42	1986	1981
25	43	25002	43	-52.8	-37.7	-63.9			42	082	21.9	22.6	186.97	3.78	1986	1981
20	29	26479	29	-50.1	-39.9	-62.3			25	080	21.0	21.6	172.39	3.53	1988	1981
15	13	28300	13	-49.1	-42.1	-60.1			13	083	24.8	25.5			1984	1981
10	6	31083	6	-44.2	-40.5	-49.5			5	072	23.6	23.8			1987	1982
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
545	565	485					360	104	1633	-80.3

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1008	620	24.7	28.8	19.0	620	21.9	620	077	0.2	0.4	1.14	0.61	1985	1971
<i>1000</i>	606	80	604	24.9	29.0	19.0	603	21.1	602	043	1.3	2.0	8.45	0.65	1972	1971
<i>950</i>	606	503	604	25.0	31.6	18.0	599	15.9	600	039	2.7	5.1	16.36	1.08	1980	1976
<i>900</i>	606	1003	604	22.5	29.0	14.0	596	11.6	600	047	2.8	5.7	10.13	1.25	1978	1973
<i>850</i>	606	1496	604	19.3	26.0	13.0	589	8.4	602	052	3.2	5.8	11.30	1.14	1975	1973
<i>800</i>	607	2014	605	15.5	24.0	8.4	590	5.5	605	058	3.1	5.6	12.68	1.04	1975	1984
<i>750</i>	607	2556	603	11.6	21.0	4.0	582	2.7	605	063	2.5	5.2	14.15	0.87	1975	1973
<i>700</i>	607	3130	597	7.9	17.0	-4.7	541	-0.7	603	061	2.1	5.1	14.24	1.01	1975	1984
<i>650</i>	602	3743	594	5.2	14.6	-3.7	464	-4.9	598	052	1.9	5.1	14.58	1.26	1988	1988
<i>600</i>	599	4388	592	2.5	10.0	-5.1	368	-8.8	596	026	1.7	5.5	14.97	1.42	1989	1982
<i>550</i>	592	5099	585	-0.9	6.4	-9.1	291	-12.7	589	003	1.9	5.7	15.47	1.30	1990	1982
<i>500</i>	590	5843	584	-5.2	2.4	-14.1	252	-17.8	586	354	2.1	5.8	18.03	1.28	1990	1982
<i>450</i>	583	6665	579	-10.3	5.4	-19.9	227	-22.8	580	339	1.9	6.0	18.57	1.37	1989	1982
<i>400</i>	578	7561	575	-16.2	-8.1	-27.9	208	-28.3	576	313	2.0	6.4	22.52	1.47	1988	1988
<i>350</i>	570	8555	567	-23.2	-12.7	-32.9	199	-34.5	569	280	2.4	6.8	24.93	1.63	1988	1988
<i>300</i>	562	9667	555	-31.5	-17.0	-40.1	182	-41.6	558	248	3.4	7.7	33.24	1.81	1974	1982
<i>250</i>	549	10933	547	-41.5	-28.0	-51.3	138	-50.1	546	227	5.0	9.1	42.44	1.96	1977	1982
<i>200</i>	536	12409	535	-53.7	-39.9	-63.1	21	-57.3	533	207	6.1	10.7	54.34	2.26	1988	1987
<i>175</i>	507	13254	507	-60.7	-46.9	-71.1	1	-60.0	502	198	6.3	11.3	64.45	2.46	1988	1987
<i>150</i>	481	14200	481	-67.9	-52.9	-80.0			473	187	5.6	11.3	76.08	2.65	1988	1978
<i>125</i>	432	15273	432	-74.8	-61.1	-86.3			421	160	3.8	9.6	92.14	2.66	1988	1983
<i>100</i>	399	16548	399	-79.6	-67.1	-93.0			387	106	4.6	8.5	104.15	2.59	1989	1978
<i>80</i>	343	17816	343	-76.2	-60.0	-92.0			333	084	6.1	7.8	120.29	2.56	1973	1978
<i>70</i>	311	18592	311	-72.1	-56.9	-86.0			302	080	6.2	7.4	125.02	2.48	1985	1978
<i>60</i>	266	19516	266	-67.8	-54.0	-80.0			254	077	7.4	8.3	130.22	2.43	1973	1978
<i>50</i>	216	20622	215	-63.5	-49.3	-75.0			201	074	8.8	9.7	137.39	2.82	1985	1978
<i>40</i>	127	21985	126	-59.5	-49.3	-72.0			120	076	11.2	12.0	168.64	3.79	1985	1978
<i>30</i>	78	23785	78	-55.2	-44.0	-67.1			71	078	13.4	14.1	176.85	3.93	1973	1987
<i>25</i>	51	24918	51	-53.3	-43.1	-66.1			47	080	13.9	14.7	178.15	3.37	1989	1987
<i>20</i>	17	26358	17	-51.0	-44.3	-58.1			16	070	15.2	15.9			1987	1982
<i>15</i>	9	28183	9	-49.8	-42.5	-55.1			8	075	15.6	16.1			1983	1982
<i>10</i>	2	30627	2	-50.6	-49.9	-51.3			2	082	13.4	16.0			1983	1982
<i>7</i>	1	32958	1	-47.9	-47.9	-47.9									1982	1982

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

587 567 485

367 102 1647 -80.9

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1009	600	22.2	29.0	15.0	600	17.1	600	073	0.7	0.9	1.28	1.64	1977	1972
<i>1000</i>	569	95	569	22.9	29.0	16.0	568	16.3	569	053	2.8	3.6	10.50	1.38	1976	1974
<i>950</i>	569	519	569	24.4	31.6	15.2	559	11.0	569	065	3.8	5.7	15.81	0.95	1979	1988
<i>900</i>	569	1014	567	21.5	32.2	11.6	552	8.0	569	077	3.6	5.6	10.01	1.05	1984	1988
<i>850</i>	569	1506	568	17.7	24.0	7.6	550	5.7	569	095	2.7	5.0	10.22	1.21	1974	1986
<i>800</i>	569	2021	568	14.0	24.6	5.8	540	3.0	569	112	2.2	4.7	10.75	1.26	1989	1988
<i>750</i>	569	2565	567	11.1	19.0	2.0	472	0.2	569	108	1.5	5.0	10.99	1.30	1976	1988
<i>700</i>	569	3135	568	8.6	16.0	0.6	395	-3.6	569	055	0.8	5.4	13.24	1.36	1973	1988
<i>650</i>	564	3750	562	5.8	18.0	-3.5	316	-6.7	562	002	1.2	6.0	16.59	1.29	1974	1984
<i>600</i>	561	4395	559	2.6	8.0	-5.1	268	-9.9	558	336	1.6	6.6	16.55	1.08	1973	1983
<i>550</i>	559	5105	556	-1.4	8.0	-9.3	245	-14.0	555	311	2.1	7.1	13.76	1.20	1989	1983
<i>500</i>	556	5847	555	-6.1	0.4	-13.1	233	-18.5	550	294	3.0	7.9	21.50	1.16	1990	1979
<i>450</i>	550	6665	548	-11.5	-4.9	-19.0	211	-23.6	544	280	4.5	8.8	22.31	1.19	1990	1971
<i>400</i>	546	7557	541	-17.6	-10.9	-25.5	200	-29.2	540	272	6.2	10.1	29.03	1.44	1981	1985
<i>350</i>	541	8546	534	-24.8	-16.7	-37.3	176	-35.5	533	264	8.4	11.8	29.93	1.53	1990	1986
<i>300</i>	535	9650	531	-33.0	-23.5	-42.5	162	-42.9	530	255	11.0	13.8	39.71	1.73	1989	1985
<i>250</i>	526	10907	526	-42.9	-31.1	-52.9	135	-51.5	515	244	13.5	15.9	48.22	1.98	1989	1985
<i>200</i>	506	12375	504	-54.6	-40.5	-64.5	14	-58.2	495	234	14.8	17.7	60.02	2.22	1989	1979
<i>175</i>	467	13214	467	-61.3	-45.3	-72.5			454	233	14.7	17.1	68.90	2.41	1989	1979
<i>150</i>	441	14156	441	-67.9	-50.5	-80.5			428	234	13.3	15.4	78.33	2.67	1989	1979
<i>125</i>	410	15236	409	-74.0	-56.1	-85.1			397	240	9.4	11.8	87.73	2.67	1989	1979
<i>100</i>	365	16519	365	-79.1	-69.9	-92.0			354	245	4.1	8.1	99.68	2.38	1989	1978
<i>80</i>	314	17791	313	-77.8	-66.0	-93.0			303	080	1.0	6.7	103.93	2.51	1971	1978
<i>70</i>	285	18564	285	-74.5	-62.7	-89.0			274	083	2.1	6.2	109.06	2.71	1985	1978
<i>60</i>	249	19464	248	-69.7	-56.3	-84.0			232	080	2.7	6.0	115.84	3.04	1985	1978
<i>50</i>	216	20556	216	-64.6	-49.9	-80.3			197	078	3.1	6.6	124.73	3.03	1985	1987
<i>40</i>	129	21935	128	-59.8	-48.0	-73.0			117	069	5.1	7.1	127.91	3.18	1973	1977
<i>30</i>	67	23752	67	-55.0	-42.9	-69.0			60	075	6.0	8.0	148.28	3.54	1985	1977
<i>25</i>	42	24870	42	-53.7	-42.7	-67.0			40	075	5.0	7.9	206.79	4.76	1985	1977
<i>20</i>	24	26400	24	-50.8	-41.3	-56.9			23	074	6.1	8.9	200.32	3.92	1990	1984
<i>15</i>	14	28269	14	-49.4	-40.5	-56.1			14	078	3.3	8.8			1990	1984
<i>10</i>	7	30935	7	-46.9	-40.1	-54.9			6	057	2.3	7.8			1982	1984
<i>7</i>	2	33417	2	-41.2	-36.3	-46.1			2	271	3.2	3.5			1982	1982

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
556	568	484					335	098	1663	-80.5

NORMALS OF RADIOSONDE DATA

43003 SANTACRUZ (BMB)

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1011	620	20.0	29.2	13.0	620	14.8	620	070	0.7	0.9	0.84	1.07	1984	1986
<i>1000</i>	576	109	575	21.1	27.4	13.6	574	13.7	575	057	3.1	3.9	6.43	0.91	1984	1986
<i>950</i>	576	530	575	22.8	30.0	14.6	566	9.2	574	071	3.3	5.1	13.93	0.92	1976	1986
<i>900</i>	576	1023	576	19.9	25.6	11.8	559	6.6	574	101	2.4	4.6	5.59	0.96	1990	1987
<i>850</i>	576	1512	574	16.5	22.4	8.6	542	4.3	574	139	2.2	4.4	5.82	0.90	1987	1986
<i>800</i>	576	2025	571	13.1	20.6	3.0	494	1.7	574	163	2.0	4.7	6.34	1.05	1983	1983
<i>750</i>	576	2566	571	10.7	19.0	2.0	393	-2.5	574	196	1.2	5.3	8.04	1.19	1973	1976
<i>700</i>	575	3137	567	8.1	15.0	-1.1	297	-6.5	572	263	1.9	6.0	8.69	1.12	1975	1990
<i>650</i>	571	3748	562	5.1	16.0	-4.5	244	-9.3	566	274	3.3	6.9	13.71	1.10	1974	1982
<i>600</i>	569	4393	561	1.3	12.0	-8.5	208	-12.0	565	273	4.9	7.9	12.86	1.00	1988	1982
<i>550</i>	563	5097	556	-2.9	5.0	-9.9	198	-15.5	558	268	6.7	9.3	12.15	1.03	1976	1980
<i>500</i>	560	5837	555	-7.8	3.2	-15.1	185	-19.7	554	264	8.5	10.9	17.18	1.11	1979	1981
<i>450</i>	555	6648	552	-13.3	-4.1	-21.1	180	-24.2	548	262	10.4	12.8	18.59	1.24	1987	1980
<i>400</i>	553	7535	551	-19.6	-8.7	-27.5	179	-29.6	546	259	13.2	15.5	25.17	1.39	1987	1980
<i>350</i>	547	8517	543	-26.4	-14.9	-36.3	173	-35.8	544	259	16.4	18.8	27.95	1.58	1987	1990
<i>300</i>	534	9614	532	-34.7	-21.9	-43.1	164	-43.1	532	256	19.6	22.5	36.48	1.72	1987	1981
<i>250</i>	512	10862	510	-44.5	-21.0	-53.7	125	-51.9	509	250	22.4	25.6	45.67	1.85	1978	1979
<i>200</i>	485	12321	483	-56.0	-43.1	-66.9	11	-59.1	481	247	23.8	26.9	57.26	2.04	1987	1979
<i>175</i>	452	13161	449	-62.0	-49.9	-72.9			449	246	23.5	26.0	66.21	2.17	1989	1979
<i>150</i>	437	14101	435	-68.0	-56.5	-78.3			431	248	21.5	23.5	74.50	2.24	1989	1979
<i>125</i>	389	15183	389	-73.0	-62.0	-86.5			384	251	17.8	19.6	82.33	2.14	1975	1990
<i>100</i>	356	16482	356	-77.7	-66.0	-89.9			352	255	12.1	14.1	92.28	2.01	1976	1990
<i>80</i>	301	17754	301	-77.9	-63.0	-89.5			296	259	5.0	8.4	97.09	2.07	1974	1987
<i>70</i>	267	18530	267	-74.9	-63.0	-86.3			262	253	2.6	7.0	101.59	2.60	1974	1990
<i>60</i>	219	19438	219	-70.4	-58.7	-82.3			215	249	1.1	6.5	110.84	2.84	1988	1987
<i>50</i>	180	20537	180	-64.9	-51.5	-77.9			174	059	0.5	5.8	121.97	3.19	1988	1987
<i>40</i>	95	21920	95	-59.9	-50.7	-71.7			89	070	2.4	6.1	133.76	3.48	1989	1984
<i>30</i>	41	23723	41	-55.6	-43.5	-68.7			40	067	4.4	8.3	225.28	5.35	1988	1989
<i>25</i>	23	24931	23	-53.1	-38.9	-65.5			23	075	4.4	8.1	285.38	7.08	1988	1984
<i>20</i>	9	26203	9	-53.1	-42.5	-61.3			7	065	8.5	9.4			1986	1984
<i>15</i>	3	27955	3	-52.5	-48.1	-56.5			3	081	6.1	6.3			1986	1984
<i>10</i>																
<i>7</i>																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

557	586	458		2	133	1480	-76.2		314	096	1676	-79.6
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NORMALS OF RADIOSONDE DATA

42867 NAGPUR

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	618	979	618	14.2	20.4	8.0	617	9.9	618	016	1.0	1.5	1.00	1.53	1985	1971
<i>1000</i>	588	132											7.07			
<i>950</i>	588	541	588	17.5	26.0	9.0	584	8.4	587	056	2.9	5.0	14.60	1.17	1988	1986
<i>900</i>	588	1029	588	17.3	24.2	8.0	572	6.1	587	152	1.2	5.2	6.59	1.10	1988	1974
<i>850</i>	588	1516	588	14.5	21.0	5.2	565	3.0	587	245	2.2	5.4	7.60	1.11	1986	1987
<i>800</i>	588	2025	588	11.5	20.0	1.6	540	-0.6	586	269	3.9	6.2	7.42	1.14	1972	1981
<i>750</i>	588	2554	588	8.5	19.0	-0.3	480	-3.9	585	279	5.5	7.4	16.04	1.38	1972	1983
<i>700</i>	588	3128	588	5.7	16.0	-3.1	412	-8.3	585	281	6.9	8.7	10.74	1.67	1972	1983
<i>650</i>	579	3733	579	2.7	13.0	-5.9	356	-13.1	572	281	8.9	10.5	23.00	1.71	1972	1987
<i>600</i>	576	4375	575	-0.7	9.4	-10.3	311	-17.3	567	278	11.2	12.8	16.45	1.66	1985	1985
<i>550</i>	570	5071	570	-4.7	5.6	-13.5	283	-21.6	562	276	13.6	15.2	26.31	1.74	1989	1985
<i>500</i>	565	5809	564	-9.4	-0.5	-20.3	256	-25.9	556	274	16.5	18.0	25.01	1.84	1989	1985
<i>450</i>	557	6613	557	-14.6	-5.0	-25.5	230	-30.5	547	272	19.5	21.1	32.99	1.95	1975	1983
<i>400</i>	553	7499	552	-20.6	-11.0	-39.7	214	-35.3	544	271	22.7	24.6	35.69	2.18	1975	1983
<i>350</i>	547	8477	546	-27.1	-17.1	-40.7	200	-40.9	536	269	26.5	28.3	44.26	2.26	1990	1982
<i>300</i>	541	9571	540	-34.8	-25.1	-48.5	168	-47.9	529	266	29.8	31.7	51.54	2.32	1990	1982
<i>250</i>	528	10823	527	-43.6	-27.5	-54.7	91	-54.6	513	262	31.3	33.2	61.37	2.21	1987	1979
<i>200</i>	502	12289	502	-54.5	-43.5	-65.1			488	259	31.7	33.6	69.73	1.79	1987	1979
<i>175</i>	472	13134	472	-60.4	-48.9	-72.1			463	259	30.7	32.5	76.67	1.72	1987	1979
<i>150</i>	442	14078	442	-66.3	-55.0	-76.1			434	259	29.0	30.7	79.00	1.70	1976	1980
<i>125</i>	409	15168	409	-72.0	-60.1	-82.5			397	260	24.0	25.3	84.83	1.88	1983	1988
<i>100</i>	383	16462	383	-76.7	-63.0	-87.1			371	262	18.3	19.6	83.47	1.83	1976	1982
<i>80</i>	340	17742	339	-77.4	-64.0	-89.7			327	263	11.2	12.8	90.93	1.39	1978	1988
<i>70</i>	313	18520	312	-74.9	-61.7	-87.1			305	264	8.2	10.3	93.52	1.40	1987	1988
<i>60</i>	277	19418	277	-70.4	-56.1	-83.0			262	275	5.7	8.4	99.31	1.86	1990	1978
<i>50</i>	236	20515	236	-65.1	-49.7	-80.0			223	289	3.6	8.0	127.54	3.09	1990	1978
<i>40</i>	157	21898	157	-59.9	-44.1	-72.9			148	293	3.1	7.7	139.01	4.29	1990	1985
<i>30</i>	81	23756	81	-55.0	-43.1	-68.9			73	298	2.7	7.4	161.55	5.54	1989	1985
<i>25</i>	63	24915	63	-52.9	-44.9	-66.5			59	289	2.2	7.9	178.05	4.71	1988	1985
<i>20</i>	40	26399	40	-50.6	-43.1	-56.3			39	348	1.2	7.2	178.78	2.75	1989	1990
<i>15</i>	22	28329	22	-48.5	-41.5	-52.7			22	331	1.1	8.0	176.65	2.02	1990	1990
<i>10</i>	9	30943	9	-46.4	-39.5	-49.7			8	291	5.5	9.6			1990	1990
<i>7</i>	1	33180	1	-46.7	-46.7	-46.7			1	253	11.0	11.0			1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
578	613	421					346	095	1678	-78.8

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	564	977	564	16.6	35.0	9.0	564	9.4	564	009	1.3	1.8	1.24	0.83	1985	1975
<i>1000</i>	529	115											10.45			
<i>950</i>	529	531	529	19.5	30.0	10.6	525	8.2	528	037	3.3	5.7	19.81	1.44	1974	1983
<i>900</i>	529	1019	529	19.6	28.0	9.8	512	6.0	528	108	0.7	6.0	11.04	1.43	1975	1985
<i>850</i>	529	1508	527	16.7	25.0	7.8	503	3.4	528	238	2.7	6.0	11.79	1.32	1975	1983
<i>800</i>	529	2021	528	13.2	22.0	5.8	501	0.6	527	251	4.6	6.8	13.11	1.19	1975	1983
<i>750</i>	529	2550	528	9.3	18.0	0.8	483	-2.3	525	261	6.8	8.5	14.07	1.08	1973	1979
<i>700</i>	529	3128	529	5.4	14.0	-4.5	445	-6.1	526	269	8.4	10.1	14.13	1.15	1985	1980
<i>650</i>	522	3727	520	2.1	13.8	-7.1	389	-10.4	513	276	10.3	11.8	16.26	1.34	1980	1982
<i>600</i>	519	4371	517	-1.3	6.4	-12.1	336	-15.7	508	277	12.4	13.9	15.93	1.50	1985	1982
<i>550</i>	513	5069	513	-5.2	3.0	-14.3	284	-20.2	500	279	14.5	15.9	17.48	1.52	1977	1982
<i>500</i>	512	5804	511	-9.6	1.0	-17.1	244	-24.5	498	275	17.1	18.6	20.00	1.68	1977	1982
<i>450</i>	511	6609	511	-14.8	-5.1	-22.9	223	-29.8	495	274	19.8	21.4	20.93	1.89	1990	1987
<i>400</i>	507	7491	506	-20.5	-10.0	-29.5	208	-34.8	491	272	23.1	24.9	29.58	2.30	1975	1981
<i>350</i>	503	8469	502	-27.0	-14.3	-38.9	195	-40.8	482	269	26.8	28.9	34.43	2.34	1986	1983
<i>300</i>	497	9564	496	-34.5	-24.1	-45.1	155	-47.3	478	267	30.3	32.3	44.73	2.07	1985	1981
<i>250</i>	484	10814	483	-43.7	-33.1	-57.1	72	-54.8	465	265	32.0	34.4	55.26	2.15	1989	1982
<i>200</i>	459	12278	459	-54.1	-43.1	-64.9			440	262	31.9	34.3	65.66	2.27	1986	1979
<i>175</i>	422	13123	422	-59.9	-49.9	-72.1			414	262	30.1	32.2	77.06	2.28	1990	1982
<i>150</i>	397	14067	397	-66.1	-54.9	-77.7			393	264	28.8	30.7	86.54	2.62	1990	1979
<i>125</i>	371	15154	371	-72.2	-63.0	-83.1			368	264	24.4	25.9	89.41	2.59	1978	1979
<i>100</i>	342	16445	342	-77.1	-62.3	-87.9			337	264	18.8	20.2	100.94	2.70	1983	1982
<i>80</i>	304	17726	304	-77.2	-63.3	-88.1			296	268	12.5	13.8	106.16	2.81	1987	1985
<i>70</i>	283	18501	283	-74.9	-59.1	-85.7			276	265	9.2	11.1	109.73	2.74	1987	1981
<i>60</i>	258	19399	258	-70.4	-55.9	-85.5			250	269	7.2	9.4	119.63	3.15	1988	1981
<i>50</i>	190	20499	190	-65.1	-52.5	-79.5			181	286	4.6	8.0	124.74	3.90	1989	1985
<i>40</i>	132	21871	132	-60.1	-47.5	-76.3			129	293	4.0	8.3	144.19	4.76	1989	1985
<i>30</i>	76	23705	76	-55.5	-47.1	-66.7			74	307	2.7	7.1	165.42	2.60	1989	1988
<i>25</i>	59	24849	59	-53.5	-45.9	-63.5			57	330	1.6	6.6	187.15	2.74	1981	1988
<i>20</i>	36	26316	36	-51.2	-44.3	-59.7			36	273	2.3	7.4	151.97	3.82	1981	1988
<i>15</i>	23	28221	23	-49.2	-37.5	-57.7			23	266	3.8	9.8	242.10	4.30	1990	1988
<i>10</i>	8	30777	8	-48.0	-42.3	-53.5			8	273	9.3	12.0			1987	1984
<i>7</i>	1	33260	1	-49.1	-49.1	-49.1			1	278	3.0	3.0			1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
519	619	412					309	096	1673	-79.0

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	975	619	20.6	30.4	11.0	619	8.3	619	004	1.0	1.6	0.74	1.10	1985	1975
<i>1000</i>	582	94											6.92			
<i>950</i>	580	513	580	23.6	32.0	15.0	571	7.5	578	025	2.7	5.8	14.48	1.63	1973	1981
<i>900</i>	580	1011	580	23.7	34.4	14.0	558	4.8	578	015	1.0	6.2	6.60	1.62	1985	1971
<i>850</i>	580	1507	580	20.6	31.2	9.0	554	2.6	579	279	1.9	6.1	7.28	1.50	1985	1973
<i>800</i>	580	2026	580	16.6	27.8	7.0	553	0.3	578	267	3.6	6.3	8.35	1.44	1985	1973
<i>750</i>	580	2552	579	12.3	22.8	4.0	542	-1.7	577	264	5.3	7.2	17.39	1.41	1985	1971
<i>700</i>	580	3144	579	7.6	16.4	0.0	529	-4.6	576	266	6.4	8.4	12.22	1.30	1985	1971
<i>650</i>	577	3740	576	3.1	14.0	-5.1	493	-8.0	570	272	7.9	9.7	20.04	1.27	1973	1987
<i>600</i>	573	4392	572	-1.1	8.6	-8.9	435	-12.4	564	277	9.2	11.1	15.82	1.31	1985	1987
<i>550</i>	569	5086	568	-4.9	4.0	-14.7	344	-18.9	560	280	10.6	12.4	17.79	1.45	1985	1983
<i>500</i>	566	5825	566	-9.4	-0.9	-20.0	283	-24.0	558	280	12.6	14.4	21.17	1.60	1990	1978
<i>450</i>	558	6628	558	-14.6	-5.1	-28.0	235	-28.9	548	278	14.7	16.6	27.39	1.72	1990	1978
<i>400</i>	552	7513	552	-20.7	-10.1	-34.9	212	-34.7	542	275	17.1	19.2	30.33	1.96	1990	1980
<i>350</i>	535	8490	535	-27.5	-15.9	-39.9	191	-40.8	519	274	20.3	22.6	35.81	2.18	1990	1982
<i>300</i>	524	9583	524	-34.9	-24.9	-48.1	163	-47.3	507	268	24.0	26.6	44.31	2.31	1990	1982
<i>250</i>	509	10832	509	-43.4	-29.0	-55.9	83	-54.3	491	264	26.8	29.9	52.23	1.95	1972	1981
<i>200</i>	479	12301	478	-53.1	-41.1	-63.1	2	-59.0	462	262	28.3	31.0	60.36	1.73	1987	1981
<i>175</i>	446	13148	445	-58.7	-46.0	-67.5			426	262	27.1	29.3	67.33	1.95	1975	1985
<i>150</i>	417	14101	417	-64.4	-50.0	-76.0			401	262	24.7	26.6	70.50	2.23	1977	1978
<i>125</i>	380	15198	380	-70.3	-54.3	-87.5			364	263	21.0	22.4	75.66	2.46	1987	1983
<i>100</i>	343	16505	343	-75.6	-62.0	-87.9			326	264	15.0	16.6	94.19	2.56	1977	1982
<i>80</i>	307	17788	306	-76.7	-65.7	-88.5			289	267	10.8	12.7	110.99	2.27	1989	1980
<i>70</i>	277	18564	277	-74.4	-63.5	-88.5			256	271	6.8	9.4	116.59	2.48	1989	1980
<i>60</i>	245	19465	245	-70.4	-55.9	-81.0			223	283	4.6	7.8	120.19	2.97	1990	1978
<i>50</i>	198	20560	198	-64.9	-51.3	-78.1			180	284	3.1	6.9	126.30	3.10	1987	1985
<i>40</i>	136	21949	136	-59.4	-49.9	-73.5			123	303	2.6	7.1	149.34	3.44	1987	1985
<i>30</i>	86	23766	86	-55.0	-47.1	-68.1			79	353	1.0	6.0	192.28	4.62	1983	1985
<i>25</i>	69	24933	69	-52.2	-44.5	-64.3			63	033	0.8	7.1	204.68	2.67	1987	1980
<i>20</i>	39	26393	39	-49.8	-40.5	-60.1			35	288	2.3	7.6	219.49	2.83	1990	1980
<i>15</i>	20	28237	20	-48.0	-38.9	-54.7			17	274	2.2	8.2			1989	1980
<i>10</i>	6	30904	6	-46.3	-38.5	-49.7			6	258	7.2	13.0			1989	1988
<i>7</i>	4	33192	4	-46.7	-45.5	-47.1			4	273	7.7	16.7			1988	1988

FREEZING LEVEL

N	P	ALT
572	612	423

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
319	093	1696	-77.8

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	972	600	25.6	35.0	18.0	600	9.8	600	307	0.8	2.1	0.97	0.90	1975	1989
<i>1000</i>	556	60											8.09			
<i>950</i>	554	489	554	27.5	39.0	17.0	536	9.1	554	310	3.0	7.4	14.13	1.18	1980	1973
<i>900</i>	554	990	554	27.4	35.0	17.4	529	6.3	554	308	3.5	8.0	6.77	1.20	1980	1984
<i>850</i>	554	1492	554	24.4	31.4	14.0	522	3.8	554	303	3.5	6.9	7.06	1.19	1985	1983
<i>800</i>	554	2018	554	20.3	30.2	11.6	520	1.8	553	295	3.5	6.0	7.13	1.14	1990	1984
<i>750</i>	554	2548	553	15.6	25.4	8.0	524	-0.5	552	284	4.0	6.1	16.28	1.23	1990	1984
<i>700</i>	554	3150	553	10.6	20.8	2.8	521	-2.8	552	269	4.7	6.7	9.54	1.26	1984	1984
<i>650</i>	551	3748	549	5.3	19.4	-2.9	506	-5.5	550	267	5.6	7.7	22.07	1.27	1980	1984
<i>600</i>	545	4408	544	0.3	11.0	-7.3	478	-9.3	544	274	6.6	8.7	14.30	1.40	1990	1984
<i>550</i>	543	5104	542	-3.9	8.8	-11.1	408	-15.3	543	284	7.6	9.6	26.21	1.52	1990	1987
<i>500</i>	539	5848	538	-8.0	3.2	-16.1	317	-21.2	539	288	9.3	11.2	20.66	1.40	1990	1982
<i>450</i>	531	6656	531	-13.0	-1.1	-22.5	257	-26.6	530	284	11.6	13.5	32.61	1.51	1990	1982
<i>400</i>	528	7548	527	-19.0	-5.0	-30.1	239	-32.1	524	279	13.9	15.7	28.80	1.73	1976	1982
<i>350</i>	519	8528	519	-25.8	-13.3	-38.5	205	-38.1	514	274	16.4	18.5	34.41	1.83	1990	1982
<i>300</i>	508	9632	508	-33.4	-22.7	-48.1	170	-45.1	501	269	19.3	21.8	41.97	1.95	1990	1982
<i>250</i>	489	10889	489	-42.2	-30.9	-55.9	88	-53.2	481	265	22.1	25.3	51.15	2.20	1990	1982
<i>200</i>	465	12367	465	-52.4	-41.1	-63.5	4	-58.5	455	261	23.7	26.2	63.35	2.04	1990	1987
<i>175</i>	433	13215	433	-57.9	-46.1	-69.0			422	260	22.1	24.4	70.25	2.01	1990	1978
<i>150</i>	410	14170	410	-64.0	-50.5	-74.0			402	261	19.7	21.5	76.23	2.04	1981	1978
<i>125</i>	380	15264	380	-70.3	-58.5	-82.1			372	263	15.8	17.8	89.16	2.28	1990	1981
<i>100</i>	346	16572	346	-75.8	-64.1	-88.1			336	264	9.4	12.0	102.07	2.32	1990	1982
<i>80</i>	293	17844	292	-77.0	-60.9	-87.5			286	275	3.7	8.3	110.23	2.80	1990	1982
<i>70</i>	263	18618	263	-74.5	-56.1	-85.5			252	286	1.8	7.2	120.56	2.91	1990	1982
<i>60</i>	218	19534	218	-69.9	-50.1	-82.0			210	359	1.4	6.6	142.41	4.25	1990	1973
<i>50</i>	175	20634	175	-64.0	-45.9	-78.0			167	047	1.8	6.5	144.70	3.89	1990	1978
<i>40</i>	120	22030	120	-57.8	-42.5	-71.9			112	060	2.8	6.1	178.96	3.99	1990	1984
<i>30</i>	76	23891	76	-52.3	-43.1	-69.1			65	062	2.7	5.7	175.12	3.08	1988	1987
<i>25</i>	53	25071	53	-49.7	-39.9	-67.1			46	076	2.3	7.0	205.35	4.15	1990	1987
<i>20</i>	31	26532	31	-47.1	-33.5	-65.1			27	066	1.7	6.1	293.34	6.12	1990	1987
<i>15</i>	18	28411	18	-45.4	-38.3	-62.1			15	274	1.0	6.7			1980	1987
<i>10</i>	4	30803	4	-47.5	-43.3	-57.9			4	092	0.3	7.3			1983	1987
<i>7</i>	1	33334	1	-43.1	-43.1	-43.1									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
543	594	449					294	092	1710	-78.3

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	969	620	28.9	37.6	22.0	620	13.0	617	310	1.5	2.7	1.53	1.46	1984	1972
<i>1000</i>	585	30											14.46			
<i>950</i>	585	462	585	29.3	35.0	21.6	576	12.3	582	307	4.9	8.4	17.38	1.47	1973	1987
<i>900</i>	585	967	585	28.7	36.0	12.2	571	9.7	582	311	6.0	9.4	11.10	1.80	1988	1990
<i>850</i>	585	1472	585	25.7	33.0	11.6	568	6.9	583	315	5.3	8.1	9.09	1.84	1981	1983
<i>800</i>	585	2000	585	21.8	33.8	12.6	569	4.4	582	319	4.3	6.7	7.68	1.73	1981	1987
<i>750</i>	585	2534	585	17.2	25.4	8.0	570	2.0	582	320	3.5	5.8	13.69	1.69	1985	1975
<i>700</i>	585	3137	585	12.2	19.6	3.4	567	-0.4	583	316	2.6	5.6	8.63	1.65	1990	1982
<i>650</i>	580	3743	580	6.9	15.4	0.0	561	-3.2	575	304	2.4	5.9	18.61	1.50	1990	1987
<i>600</i>	576	4404	576	1.8	10.2	-5.0	545	-6.8	569	300	2.7	6.2	13.03	1.26	1990	1972
<i>550</i>	566	5106	568	-2.6	7.4	-13.1	475	-12.0	559	305	3.9	6.8	20.09	1.33	1990	1987
<i>500</i>	566	5850	564	-6.5	3.6	-16.1	380	-17.9	556	311	5.0	8.0	17.82	1.51	1990	1979
<i>450</i>	557	6672	555	-11.0	2.6	-19.1	299	-23.2	545	303	6.3	9.3	25.82	1.66	1990	1980
<i>400</i>	551	7564	551	-16.3	-3.3	-26.0	241	-28.6	539	294	7.6	10.7	27.00	2.01	1990	1978
<i>350</i>	541	8558	541	-22.7	-10.9	-32.7	207	-35.1	529	280	8.8	11.9	35.49	2.28	1990	1979
<i>300</i>	536	9672	536	-30.3	-19.0	-41.9	180	-42.3	526	266	10.1	12.9	44.42	2.43	1975	1979
<i>250</i>	522	10946	522	-39.4	-28.0	-52.9	117	-50.2	511	256	11.5	13.9	56.69	2.45	1975	1980
<i>200</i>	502	12438	502	-50.6	-34.0	-64.1	8	-56.8	492	246	11.4	14.0	72.75	2.44	1976	1980
<i>175</i>	467	13296	465	-57.1	-44.0	-68.1			456	243	10.4	13.4	81.09	2.40	1976	1980
<i>150</i>	434	14252	434	-64.1	-53.0	-76.0			427	233	8.7	11.9	90.04	2.41	1975	1971
<i>125</i>	399	15347	399	-71.2	-56.1	-82.1			387	222	5.5	10.3	99.89	2.55	1986	1988
<i>100</i>	350	16646	350	-76.8	-65.0	-89.1			341	162	2.5	9.1	112.89	2.48	1973	1979
<i>80</i>	313	17921	313	-76.5	-64.5	-90.0			301	094	4.8	8.4	131.95	2.56	1982	1978
<i>70</i>	280	18703	280	-73.1	-59.5	-89.0			272	084	6.3	8.5	124.76	2.76	1983	1978
<i>60</i>	251	19612	251	-68.2	-56.7	-86.1			240	080	7.2	8.9	122.14	2.71	1982	1988
<i>50</i>	202	20717	202	-62.4	-50.9	-82.0			191	085	8.7	10.0	119.11	2.89	1982	1973
<i>40</i>	143	22119	143	-56.5	-44.9	-70.3			134	085	9.6	10.2	122.31	2.37	1989	1988
<i>30</i>	90	23956	90	-51.3	-42.0	-67.1			82	083	10.7	11.5	141.51	2.81	1976	1988
<i>25</i>	61	25134	61	-48.5	-40.0	-64.0			52	085	10.6	11.2	161.62	3.18	1976	1978
<i>20</i>	23	26695	23	-45.4	-36.3	-55.9			20	092	8.2	9.0	142.54	2.10	1982	1988
<i>15</i>	11	28473	11	-44.7	-40.1	-52.1			8	082	6.6	7.6			1982	1988
<i>10</i>	5	31404	5	-41.1	-37.1	-44.9			3	062	8.8	9.0			1988	1989
<i>7</i>	1	33675	1	-40.3	-40.3	-40.3			1	082	3.0	3.0			1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

573 579 468

319 096 1690 -78.5

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	966	599	27.3	34.4	22.0	599	20.4	597	271	2.2	2.9	0.87	1.07	1982	1971
<i>1000</i>	577	8											7.49			
<i>950</i>	577	432	577	27.0	34.0	22.0	572	19.7	575	276	6.3	8.2	20.36	1.05	1977	1971
<i>900</i>	577	938	577	25.5	37.2	18.0	571	17.2	575	290	8.1	10.1	8.05	1.06	1987	1975
<i>850</i>	577	1438	577	22.9	32.0	12.8	570	14.6	575	300	7.2	9.3	9.20	1.00	1975	1989
<i>800</i>	577	1963	577	19.8	28.0	10.2	567	11.9	569	305	5.4	7.8	9.61	0.86	1972	1983
<i>750</i>	577	2506	575	16.0	24.0	7.8	567	8.9	568	313	3.6	6.8	13.58	0.79	1975	1983
<i>700</i>	577	3097	574	12.1	19.0	5.8	565	5.6	565	331	2.5	6.4	10.96	0.59	1976	1986
<i>650</i>	575	3714	573	8.0	19.0	1.0	562	1.8	561	346	2.4	6.3	16.00	0.89	1973	1978
<i>600</i>	572	4370	570	4.0	14.0	-3.5	553	-1.7	552	351	2.2	6.2	11.68	1.06	1978	1979
<i>550</i>	571	5086	570	0.0	10.2	-7.5	543	-5.6	546	356	1.8	6.0	19.89	1.27	1990	1982
<i>500</i>	571	5830	571	-3.9	6.6	-11.0	506	-9.9	541	357	1.3	5.9	15.44	1.36	1990	1974
<i>450</i>	566	6663	566	-7.9	2.0	-15.9	460	-15.2	535	358	0.8	6.1	22.81	1.28	1990	1979
<i>400</i>	562	7564	562	-12.9	-3.9	-22.1	435	-21.5	528	037	1.1	6.1	22.35	1.36	1990	1979
<i>350</i>	554	8569	553	-19.1	-9.5	-26.7	389	-28.0	519	070	1.8	6.3	27.82	1.55	1990	1986
<i>300</i>	537	9704	535	-27.0	-16.9	-35.1	339	-35.8	499	087	2.6	6.5	32.81	1.57	1990	1979
<i>250</i>	520	10993	518	-36.8	-25.1	-45.7	224	-44.9	481	092	4.1	7.5	40.40	1.67	1984	1979
<i>200</i>	497	12498	496	-49.2	-39.5	-59.1	33	-54.1	461	093	6.5	9.6	51.19	1.98	1986	1982
<i>175</i>	468	13361	468	-56.3	-46.1	-67.3	2	-59.0	432	093	8.0	11.0	59.41	2.12	1986	1979
<i>150</i>	435	14322	435	-64.2	-54.0	-76.1			410	092	10.7	13.3	67.27	2.37	1975	1979
<i>125</i>	390	15413	390	-72.3	-63.0	-84.3			370	088	13.7	15.7	80.94	2.72	1971	1979
<i>100</i>	351	16704	351	-78.3	-65.5	-90.1			337	087	17.4	18.4	90.57	2.82	1990	1979
<i>80</i>	307	17979	307	-77.1	-60.1	-90.1			291	086	17.2	17.9	104.40	2.86	1990	1979
<i>70</i>	280	18762	280	-72.9	-55.9	-85.0			268	083	16.2	16.8	113.37	2.76	1990	1978
<i>60</i>	246	19670	246	-67.4	-48.9	-82.0			230	081	15.7	16.2	118.45	3.08	1990	1977
<i>50</i>	198	20786	198	-62.0	-39.1	-77.0			186	084	15.2	15.7	133.16	3.21	1990	1974
<i>40</i>	134	22192	134	-56.4	-42.5	-68.0			117	083	17.5	17.9	145.82	2.66	1990	1971
<i>30</i>	73	24033	73	-51.8	-41.0	-62.0			64	086	16.7	17.3	143.84	2.38	1977	1977
<i>25</i>	49	25226	49	-49.3	-40.1	-60.1			43	086	18.1	18.6	188.60	3.86	1990	1985
<i>20</i>	21	26694	21	-46.2	-39.3	-53.9			17	083	18.4	18.9	256.07	2.12	1990	1987
<i>15</i>	7	28628	7	-44.7	-35.1	-53.1			4	097	20.8	21.0			1989	1987
<i>10</i>	1	30990	1	-52.7	-52.7	-52.7									1987	1987
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
570	549	510					324	098	1687	-79.8

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	617	967	617	24.8	28.4	21.0	617	22.9	617	257	1.7	2.2	0.97	0.42	1986	1989
<i>1000</i>	605	14											8.46			
<i>950</i>	604	437	604	24.3	28.4	20.6	604	22.1	600	266	6.3	7.5	18.82	0.38	1986	1989
<i>900</i>	604	936	604	22.6	28.2	14.4	604	19.6	599	282	8.3	9.6	7.18	0.47	1986	1983
<i>850</i>	604	1432	604	20.0	27.0	12.0	604	17.1	599	288	8.4	9.8	7.39	0.60	1982	1977
<i>800</i>	604	1953	604	17.2	24.0	11.2	602	14.3	596	287	7.2	8.8	7.96	0.67	1982	1985
<i>750</i>	604	2499	604	14.0	20.6	8.4	599	11.4	592	283	6.1	7.9	10.75	0.66	1986	1985
<i>700</i>	603	3079	603	10.8	18.6	5.4	600	7.7	591	284	4.8	7.1	8.82	0.72	1985	1987
<i>650</i>	600	3700	598	7.7	15.0	1.0	591	3.6	579	290	3.6	6.5	9.35	0.84	1990	1982
<i>600</i>	595	4349	593	4.3	12.0	-3.7	585	-0.2	572	303	2.3	6.1	11.41	0.96	1990	1982
<i>550</i>	590	5072	588	0.6	7.6	-7.5	578	-4.1	562	331	1.3	5.8	18.85	1.05	1990	1986
<i>500</i>	589	5813	587	-3.2	4.8	-12.5	570	-8.3	560	023	1.1	5.7	16.27	1.12	1990	1982
<i>450</i>	580	6649	578	-7.6	2.0	-17.1	547	-13.5	551	073	2.1	5.7	19.43	1.19	1990	1985
<i>400</i>	572	7550	571	-13.0	-3.5	-22.5	533	-19.7	542	081	3.5	6.0	22.73	1.30	1990	1985
<i>350</i>	559	8556	558	-19.5	-10.9	-29.5	493	-26.7	531	087	5.2	6.8	26.87	1.35	1990	1986
<i>300</i>	544	9687	543	-27.4	-18.9	-37.0	439	-35.0	515	086	7.6	8.5	32.24	1.58	1989	1974
<i>250</i>	528	10975	526	-37.3	-28.5	-49.3	258	-44.2	498	085	10.7	11.4	39.21	1.79	1990	1985
<i>200</i>	510	12475	510	-49.9	-40.5	-61.1	32	-54.9	482	081	16.2	17.0	51.74	2.06	1990	1985
<i>175</i>	490	13336	490	-57.2	-46.0	-69.1	1	-60.0	459	080	19.2	20.2	59.75	2.17	1977	1985
<i>150</i>	458	14294	458	-65.1	-52.1	-77.5			434	079	22.6	23.7	69.88	2.29	1983	1987
<i>125</i>	411	15386	410	-73.1	-61.0	-85.5			388	082	26.1	27.2	82.19	2.60	1977	1979
<i>100</i>	360	16674	359	-78.2	-59.0	-89.1			342	085	27.5	28.2	112.23	2.91	1975	1985
<i>80</i>	313	17956	312	-74.6	-58.0	-88.5			304	084	23.2	23.8	132.57	4.10	1976	1983
<i>70</i>	289	18746	286	-70.6	-55.9	-83.5			279	082	21.2	21.8	156.80	4.29	1989	1979
<i>60</i>	245	19665	245	-65.9	-52.0	-79.5			235	081	20.7	21.1	173.54	4.76	1976	1983
<i>50</i>	194	20794	194	-61.6	-49.0	-76.0			180	081	21.1	21.5	185.21	4.03	1976	1973
<i>40</i>	120	22229	120	-56.9	-40.5	-69.5			110	083	21.2	22.1	190.05	3.84	1990	1987
<i>30</i>	63	24111	63	-52.3	-41.7	-63.3			57	088	23.8	24.3	157.82	4.33	1981	1987
<i>25</i>	34	25303	34	-50.2	-39.3	-61.3			29	091	26.6	26.9	168.08	3.82	1990	1987
<i>20</i>	18	26794	18	-47.5	-37.1	-55.7			15	088	28.2	28.4			1990	1987
<i>15</i>	14	28761	14	-43.7	-35.5	-53.9			11	084	28.4	28.7			1990	1988
<i>10</i>	7	31397	7	-41.7	-38.5	-50.3			7	093	35.3	35.7			1988	1987
<i>7</i>	1	34110	1	-37.1	-37.1	-37.1			1	087	52.9	53.0			1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

589 541 520

340 102 1661 -79.5

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	967	620	24.3	28.4	20.0	620	22.7	620	271	1.8	2.3	0.74	0.35	1979	1989
1000	603	18											7.18			
950	601	439	601	23.8	29.8	20.0	599	21.9	596	279	6.1	7.5	15.91	0.39	1983	1972
900	601	939	601	22.0	29.0	16.4	598	19.4	596	293	7.9	9.6	6.83	0.50	1985	1985
850	601	1434	601	19.6	24.8	13.0	597	16.9	595	298	7.6	9.7	7.15	0.61	1985	1979
800	602	1954	602	16.7	23.0	8.8	597	14.1	596	297	6.5	8.6	8.01	0.62	1984	1983
750	602	2498	602	13.7	18.4	6.4	595	11.1	595	296	5.2	7.5	14.02	0.69	1985	1983
700	602	3080	602	10.7	15.4	3.8	594	7.5	585	299	4.1	6.6	9.54	0.71	1985	1983
650	601	3697	600	7.7	13.8	1.6	591	3.6	578	308	2.9	6.2	14.08	0.77	1981	1981
600	596	4351	594	4.3	14.0	-1.5	584	-0.5	567	324	2.0	6.0	12.19	0.79	1976	1982
550	590	5068	588	0.8	8.2	-5.1	570	-4.6	562	354	1.4	5.8	20.05	0.74	1986	1979
500	584	5816	582	-3.1	3.4	-10.0	558	-9.0	555	044	1.3	6.0	15.57	0.80	1986	1978
450	577	6647	575	-7.6	4.8	-14.0	537	-14.0	546	072	2.4	6.0	21.62	0.90	1981	1978
400	571	7552	569	-13.0	-6.0	-26.0	518	-20.1	540	083	3.6	6.5	20.63	1.01	1972	1975
350	564	8555	562	-19.4	-12.0	-26.7	479	-27.2	533	087	5.6	7.4	24.55	1.22	1975	1979
300	546	9667	546	-27.4	-16.9	-35.1	420	-35.4	515	089	7.7	8.8	29.36	1.36	1987	1979
250	523	10976	522	-37.4	-26.7	-46.5	271	-44.6	493	086	10.4	11.3	35.78	1.48	1981	1981
200	511	12479	510	-50.0	-40.5	-50.1	44	-55.6	484	082	14.7	15.6	45.63	1.72	1987	1981
175	477	13337	476	-57.4	-47.9	-68.1	4	-62.3	450	080	17.5	18.5	51.38	1.72	1986	1981
150	454	14293	449	-65.3	-53.1	-78.0			427	079	20.6	21.7	57.89	1.92	1986	1978
125	408	15383	407	-73.5	-59.3	-84.3			389	081	23.7	24.8	71.96	2.10	1986	1985
100	350	16671	349	-78.2	-66.1	-88.9			334	088	24.8	25.5	82.14	2.40	1981	1980
80	298	17959	298	-73.9	-59.1	-84.3			284	085	21.6	22.1	87.00	2.76	1981	1985
70	266	18761	266	-69.7	-58.0	-81.5			258	082	19.7	20.2	90.22	2.72	1976	1985
60	225	19671	225	-65.9	-53.0	-78.0			218	082	18.8	19.2	103.25	2.57	1976	1977
50	180	20793	180	-62.3	-51.5	-74.0			170	081	19.5	19.9	138.97	2.47	1987	1977
40	138	22195	138	-58.0	-48.0	-66.0			130	085	21.5	22.0	152.64	2.62	1976	1972
30	89	24042	89	-53.9	-42.0	-64.3			81	088	23.1	23.5	186.39	3.22	1976	1987
25	59	25198	59	-52.1	-43.9	-63.1			55	088	24.7	25.2	252.15	3.05	1989	1987
20	28	26787	28	-49.9	-41.5	-61.9			26	089	26.8	27.2	306.80	4.14	1986	1987
15	17	28645	17	-46.9	-35.9	-59.9			14	083	23.7	25.8			1989	1987
10	6	31102	6	-48.9	-43.5	-57.1			6	087	28.7	28.8			1986	1987
7	1	33680	1	-43.3	-43.3	-43.3									1987	1987

FREEZING LEVEL

N	P	ALT
592	539	523

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
318	103	1652	-79.7

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	598	971	598	23.7	27.0	18.0	598	22.0	598	301	0.9	1.7	0.89	0.54	1986	1972
<i>1000</i>	589	51											7.56			
<i>950</i>	588	472	588	23.8	28.8	19.8	587	20.7	586	302	4.0	6.2	16.57	0.50	1987	1984
<i>900</i>	588	972	588	22.7	30.2	18.0	587	18.0	585	311	4.1	7.0	7.58	0.77	1985	1979
<i>850</i>	588	1467	588	20.0	27.0	14.4	587	15.1	584	321	3.7	6.6	8.33	0.74	1987	1982
<i>800</i>	588	1987	588	16.8	24.8	10.2	584	11.8	584	325	3.2	6.2	8.84	0.71	1980	1980
<i>750</i>	588	2520	588	13.4	24.0	5.8	582	7.9	582	329	2.8	6.1	12.58	0.77	1975	1980
<i>700</i>	588	3111	588	10.0	19.0	1.2	579	4.1	583	337	2.5	5.9	9.67	0.87	1976	1981
<i>650</i>	588	3722	583	6.6	15.4	-0.3	568	-0.1	572	335	2.0	5.4	15.02	1.02	1981	1980
<i>600</i>	577	4376	577	3.4	11.8	-4.9	543	-3.8	563	333	1.1	5.0	12.35	1.17	1990	1981
<i>550</i>	572	5089	572	-0.1	7.6	-12.0	512	-7.6	554	360	0.5	5.1	19.86	1.17	1990	1976
<i>500</i>	558	5837	566	-4.0	3.0	-12.1	488	-12.4	552	048	0.5	5.1	16.95	1.13	1990	1980
<i>450</i>	562	6664	562	-8.6	-0.9	-17.5	454	-17.3	543	073	1.2	5.3	24.87	1.24	1986	1980
<i>400</i>	549	7566	549	-14.2	-6.9	-24.1	414	-23.1	528	085	1.9	5.5	24.33	1.24	1986	1980
<i>350</i>	536	8565	534	-20.8	-12.9	-31.9	376	-29.8	513	096	2.5	5.7	28.26	1.38	1986	1980
<i>300</i>	518	9692	516	-28.8	-20.9	-40.5	329	-37.7	500	097	3.7	6.1	34.48	1.48	1982	1980
<i>250</i>	501	10972	500	-38.8	-30.0	-49.3	201	-46.7	483	098	5.0	7.3	41.10	1.61	1973	1980
<i>200</i>	484	12464	484	-51.3	-43.1	-61.7	21	-56.0	465	097	7.6	9.9	53.15	1.82	1982	1980
<i>175</i>	448	13320	448	-58.4	-50.0	-69.0	4	-60.1	428	095	9.4	11.6	59.70	1.99	1975	1978
<i>150</i>	423	14268	423	-66.3	-57.1	-77.5			405	094	11.6	13.7	67.48	2.05	1987	1980
<i>125</i>	377	15353	377	-73.8	-62.7	-85.1			359	095	14.2	15.7	78.22	2.13	1990	1982
<i>100</i>	339	16639	339	-78.2	-63.9	-88.9			321	094	14.8	15.6	92.33	2.19	1982	1979
<i>80</i>	301	17927	301	-74.2	-56.9	-89.9			287	087	13.7	14.3	103.39	3.55	1990	1980
<i>70</i>	276	18727	276	-69.7	-53.3	-82.3			264	081	13.3	13.7	116.20	3.18	1982	1979
<i>60</i>	253	19642	253	-65.3	-48.7	-78.1			235	081	13.8	14.3	123.20	3.39	1982	1979
<i>50</i>	209	20757	209	-61.5	-40.5	-72.0			192	084	14.7	15.2	142.59	3.36	1990	1975
<i>40</i>	147	22142	147	-57.5	-38.9	-69.0			129	085	16.3	16.6	153.25	3.31	1990	1978
<i>30</i>	77	24013	77	-53.3	-40.5	-67.0			69	088	19.8	20.1	243.50	3.48	1990	1978
<i>25</i>	51	25242	51	-50.0	-37.5	-60.0			45	088	20.7	21.1	245.47	3.54	1990	1977
<i>20</i>	28	26751	28	-46.7	-30.7	-56.7			23	097	22.4	22.9	336.59	4.10	1990	1986
<i>15</i>	18	28593	18	-44.6	-31.7	-54.1			14	094	22.7	23.2			1990	1986
<i>10</i>	5	31220	5	-42.5	-32.9	-51.5			4	089	25.6	25.8			1983	1986
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
572	551	506					317	102	1656	-79.5

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	975	619	20.8	29.0	14.0	619	18.0	618	001	0.9	1.4	1.52	0.73	1974	1974
<i>1000</i>	588	93											14.40			
<i>950</i>	588	510	588	22.2	28.6	11.2	586	15.9	584	016	2.7	4.8	16.82	1.26	1980	1985
<i>900</i>	588	1008	588	21.8	29.0	11.8	586	12.0	584	047	2.3	5.1	12.45	1.33	1989	1990
<i>850</i>	588	1501	588	18.7	25.8	8.8	583	8.7	583	038	2.8	5.4	12.73	1.27	1989	1990
<i>800</i>	588	2019	588	15.1	22.4	5.8	577	5.3	583	026	3.4	5.8	12.87	1.12	1980	1990
<i>750</i>	588	2548	588	11.4	19.4	1.8	558	1.5	584	019	3.6	6.0	15.72	0.86	1990	1990
<i>700</i>	588	3135	587	8.0	17.0	-1.1	516	-2.0	581	010	3.1	5.9	13.12	0.99	1986	1990
<i>650</i>	585	3742	584	5.2	13.6	-4.5	422	-5.4	577	003	2.4	5.7	13.61	1.31	1990	1980
<i>600</i>	581	4391	580	2.2	10.8	-8.9	356	-8.9	569	343	1.5	5.6	13.81	1.41	1988	1984
<i>550</i>	577	5096	576	-1.4	7.0	-11.0	298	-12.3	561	306	1.2	5.9	20.61	1.34	1988	1977
<i>500</i>	570	5844	570	-5.6	2.8	-16.0	270	-16.7	551	279	2.0	6.5	18.21	1.51	1988	1977
<i>450</i>	562	6660	562	-10.5	-1.9	-23.0	241	-22.5	537	271	2.9	7.0	25.73	1.63	1988	1977
<i>400</i>	558	7560	558	-16.3	-7.1	-31.0	225	-28.3	532	263	4.3	8.1	26.81	1.95	1987	1977
<i>350</i>	553	8548	553	-23.0	-12.0	-40.0	211	-34.5	523	255	5.7	9.2	32.38	2.11	1975	1977
<i>300</i>	539	9666	539	-31.1	-19.9	-51.0	185	-42.4	509	250	7.3	10.5	42.58	2.32	1990	1977
<i>250</i>	526	10923	525	-40.9	-29.3	-63.0	123	-50.2	491	243	8.5	12.1	54.62	2.49	1990	1977
<i>200</i>	508	12412	507	-52.9	-40.7	-74.0	14	-56.7	473	236	9.0	12.7	71.58	2.53	1990	1977
<i>175</i>	475	13262	475	-59.8	-47.3	-73.1	1	-59.7	441	232	6.5	12.5	80.07	2.48	1990	1987
<i>150</i>	443	14212	443	-67.0	-55.1	-79.9			409	222	7.2	11.8	91.32	2.40	1990	1984
<i>125</i>	402	15294	402	-74.1	-63.1	-85.5			371	205	5.0	10.2	103.27	2.33	1989	1979
<i>100</i>	368	16581	368	-78.5	-66.0	-88.7			336	146	3.0	8.1	116.77	2.34	1977	1979
<i>80</i>	327	17865	327	-75.2	-58.0	-86.0			294	101	3.7	7.0	126.26	2.80	1977	1978
<i>70</i>	301	18660	300	-70.8	-58.5	-88.0			267	085	5.0	6.6	132.83	2.36	1990	1974
<i>60</i>	254	19578	253	-65.9	-53.9	-77.5			219	079	6.0	7.7	137.71	2.28	1990	1984
<i>50</i>	208	20707	208	-61.5	-50.0	-74.1			178	083	7.8	8.4	150.98	2.51	1976	1984
<i>40</i>	149	22121	149	-56.9	-44.0	-70.1			124	085	9.5	9.9	191.30	2.93	1976	1984
<i>30</i>	86	24032	86	-51.6	-41.5	-62.1			60	081	10.5	11.0	258.16	4.61	1990	1984
<i>25</i>	59	25278	59	-48.6	-40.7	-61.5			34	091	10.2	10.6	306.10	4.69	1990	1984
<i>20</i>	44	26834	44	-45.4	-36.5	-51.5			24	096	9.9	10.8	274.00	1.96	1990	1986
<i>15</i>	34	28807	34	-42.4	-33.5	-49.1			16	101	10.2	11.0	162.64	2.15	1990	1990
<i>10</i>	10	31623	10	-39.7	-34.3	-44.7			6	133	4.5	12.8			1990	1986
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

580 570 480

352 103 1647 -79.6

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	978	600	16.5	25.0	8.0	600	12.5	600	014	1.2	1.5	1.24	2.05	1978	1974
<i>1000</i>	584	123											10.49			
<i>950</i>	584	533	584	19.6	27.4	11.4	581	11.1	581	043	3.7	4.9	14.66	1.63	1980	1984
<i>900</i>	584	1028	584	19.2	28.2	11.2	578	7.8	581	068	3.3	5.1	9.08	1.31	1989	1988
<i>850</i>	584	1516	584	16.0	25.6	8.0	574	4.6	581	053	2.7	5.0	9.84	1.27	1989	1974
<i>800</i>	583	2029	583	12.9	22.8	5.6	537	1.2	580	028	2.3	5.1	10.34	1.09	1989	1984
<i>750</i>	583	2562	583	10.4	19.0	1.8	465	-2.7	578	359	2.4	5.6	16.33	1.15	1989	1985
<i>700</i>	583	3140	583	8.0	15.0	-0.5	392	-7.0	576	334	2.8	5.8	11.10	1.15	1976	1989
<i>650</i>	581	3752	581	5.1	11.0	-4.1	336	-10.7	571	314	2.9	6.1	18.01	1.00	1976	1988
<i>600</i>	577	4397	576	1.7	8.0	-7.1	287	-14.2	564	302	3.7	6.8	13.62	1.02	1989	1982
<i>550</i>	574	5101	574	-2.2	4.6	-9.9	251	-18.1	560	292	5.1	7.9	17.10	1.10	1989	1982
<i>500</i>	568	5844	568	-6.9	-1.0	-14.9	240	-22.2	555	286	6.7	9.3	17.49	1.23	1973	1989
<i>450</i>	559	6655	559	-12.2	-5.0	-20.5	232	-27.1	546	281	8.8	11.3	26.43	1.46	1975	1982
<i>400</i>	554	7550	553	-18.3	-10.3	-28.1	216	-32.1	538	277	11.0	13.1	25.07	1.69	1984	1988
<i>350</i>	546	8533	544	-25.1	-15.5	-34.1	204	-38.4	529	272	13.8	15.9	34.73	1.77	1984	1981
<i>300</i>	542	9639	540	-33.0	-23.7	-45.3	178	-45.1	524	263	16.3	18.1	37.16	1.86	1984	1981
<i>250</i>	538	10897	536	-42.6	-32.3	-54.1	102	-53.2	518	255	19.0	20.8	44.73	2.00	1989	1981
<i>200</i>	516	12368	515	-54.0	-43.5	-65.7	3	-60.5	490	248	20.6	22.4	55.47	2.24	1989	1981
<i>175</i>	476	13213	475	-60.5	-50.1	-74.7			448	247	20.0	21.7	64.18	2.52	1989	1981
<i>150</i>	439	14160	439	-67.0	-55.7	-78.0			417	249	17.9	19.6	72.15	2.49	1988	1978
<i>125</i>	408	15242	408	-73.2	-61.3	-86.1			388	254	13.8	15.6	87.07	2.84	1988	1979
<i>100</i>	379	16531	379	-77.9	-65.9	-89.7			357	262	8.4	11.1	104.48	2.91	1986	1985
<i>80</i>	333	17812	333	-76.8	-63.5	-90.3			309	278	2.8	7.0	119.55	2.78	1986	1981
<i>70</i>	312	18593	312	-73.5	-57.5	-88.1			291	304	0.9	5.1	122.01	2.72	1986	1981
<i>60</i>	281	19504	281	-68.8	-54.1	-84.5			258	317	1.0	5.8	129.14	2.74	1989	1981
<i>50</i>	247	20617	247	-63.6	-48.1	-79.9			218	027	1.1	5.1	129.92	3.07	1989	1979
<i>40</i>	163	22016	163	-58.5	-39.9	-77.0			145	069	2.1	5.3	174.61	2.92	1989	1976
<i>30</i>	103	23843	103	-53.4	-40.3	-68.0			85	069	4.2	8.0	175.86	2.78	1990	1976
<i>25</i>	77	25029	77	-50.4	-33.3	-64.1			60	080	3.3	8.1	255.70	4.49	1990	1979
<i>20</i>	52	26496	52	-47.9	-36.9	-62.3			38	079	1.9	8.0	299.33	4.73	1990	1979
<i>15</i>	27	28452	27	-45.3	-32.5	-54.5			19	038	0.8	5.4	274.42	3.47	1990	1990
<i>10</i>	8	31054	8	-45.3	-36.7	-52.1			4	108	2.1	3.3			1990	1985
<i>7</i>	2	33010	2	-47.3	-44.1	-50.5			1	051	2.0	2.0			1988	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
578	578	470					352	099	1663	-78.8

NORMALS OF RADIOSONDE DATA

42867 NAGPUR

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	980	620	13.6	20.2	6.2	620	9.9	620	012	1.1	1.3	0.95	1.35	1987	1983
<i>1000</i>	607	141											7.60			
<i>950</i>	607	543	607	17.3	24.6	10.0	602	8.5	604	051	3.3	4.6	14.63	1.19	1984	1983
<i>900</i>	607	1038	607	17.0	23.4	8.0	600	5.6	604	079	2.0	4.5	7.54	1.15	1984	1975
<i>850</i>	606	1523	606	14.4	22.2	6.0	581	2.3	603	360	0.5	4.6	7.73	1.00	1990	1982
<i>800</i>	606	2033	606	11.9	21.6	5.0	520	-1.4	603	301	1.7	4.9	8.16	1.19	1982	1979
<i>750</i>	606	2566	605	9.7	19.8	1.2	426	-4.9	603	295	3.1	5.8	14.54	1.26	1990	1980
<i>700</i>	605	3140	604	7.2	17.6	-1.0	348	-8.6	603	289	4.4	6.8	9.96	1.24	1990	1977
<i>650</i>	602	3750	602	4.2	16.2	-6.5	295	-12.3	597	284	5.6	7.9	17.63	1.21	1990	1981
<i>600</i>	595	4393	595	0.7	11.8	-10.1	248	-15.5	584	279	7.4	9.6	14.31	1.08	1990	1980
<i>550</i>	591	5092	591	-3.4	9.0	-14.3	225	-19.2	578	277	9.6	11.5	17.63	1.01	1984	1980
<i>500</i>	582	5833	582	-8.2	3.2	-16.9	204	-23.7	570	274	11.6	13.7	17.55	1.11	1990	1988
<i>450</i>	578	6639	577	-13.7	-2.5	-22.0	188	-28.3	560	272	14.3	16.2	21.52	1.17	1990	1978
<i>400</i>	571	7529	568	-19.9	-9.7	-29.5	185	-33.1	552	269	17.1	18.9	22.46	1.33	1990	1980
<i>350</i>	560	8504	560	-26.8	-15.9	-36.7	173	-38.8	541	266	20.5	22.4	29.43	1.55	1990	1980
<i>300</i>	552	9603	551	-34.8	-24.7	-45.7	156	-45.4	529	264	24.0	26.1	33.16	1.59	1990	1980
<i>250</i>	538	10853	538	-44.2	-30.0	-55.9	97	-53.3	513	259	27.5	30.1	39.87	1.86	1973	1981
<i>200</i>	519	12314	519	-55.3	-43.5	-69.1	6	-56.5	492	255	29.0	31.5	49.02	2.01	1986	1985
<i>175</i>	488	13156	488	-61.2	-49.1	-77.1			457	255	28.3	30.6	55.18	2.19	1982	1981
<i>150</i>	450	14101	450	-66.8	-51.9	-78.1			426	257	26.3	28.1	65.87	2.35	1989	1981
<i>125</i>	420	15188	420	-71.6	-57.1	-85.1			399	260	21.7	23.4	72.14	2.66	1982	1981
<i>100</i>	382	16489	382	-76.2	-64.1	-92.1			359	264	15.6	17.1	83.67	2.62	1986	1980
<i>80</i>	328	17775	328	-76.1	-61.3	-87.9			310	268	8.9	11.1	89.69	2.33	1985	1984
<i>70</i>	303	18560	303	-73.6	-56.1	-88.1			285	271	6.0	8.8	95.63	2.47	1987	1984
<i>60</i>	264	19467	264	-69.5	-52.0	-88.1			242	272	3.6	6.8	102.09	2.94	1976	1983
<i>50</i>	219	20568	219	-64.0	-49.1	-77.1			196	292	2.2	6.3	101.39	3.18	1981	1984
<i>40</i>	138	21943	138	-59.2	-49.1	-72.1			120	296	1.4	6.4	157.80	4.33	1987	1987
<i>30</i>	83	23773	82	-54.6	-43.1	-68.1			72	299	2.0	7.5	202.82	3.93	1986	1987
<i>25</i>	55	24961	55	-52.1	-40.5	-65.7			47	296	1.2	8.5	196.26	2.25	1990	1987
<i>20</i>	39	26435	39	-49.5	-34.9	-62.1			31	294	1.9	7.7	232.52	1.93	1990	1987
<i>15</i>	26	28283	26	-47.6	-36.1	-57.9			19	262	0.9	8.8	268.47	4.42	1982	1987
<i>10</i>	14	31023	14	-43.6	-27.1	-52.3			8	257	9.4	13.4			1982	1986
<i>7</i>	1	33520	1	-51.9	-51.9	-51.9									1986	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

598	594	447		9	139	1468	-70.4		342	097	1672	-77.8
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	983	620	10.3	18.0	4.0	620	4.2	620	307	2.5	3.9	0.89	0.87	1977	1977
<i>1000</i>	610	133											6.91			
<i>950</i>	609	561	606	13.0	20.8	5.4	601	2.8	608	309	4.3	6.6	7.70	0.96	1990	1983
<i>900</i>	609	1017	608	11.2	21.6	3.8	546	-1.5	607	308	4.1	6.3	8.72	1.32	1990	1989
<i>850</i>	609	1492	606	8.9	18.0	0.0	450	-3.8	607	296	4.6	6.7	10.01	1.52	1989	1977
<i>800</i>	609	1992	606	6.3	17.2	-5.0	378	-5.9	608	287	5.1	7.1	11.77	1.57	1990	1973
<i>750</i>	609	2517	607	3.4	14.4	-9.0	319	-8.2	609	280	6.0	7.9	14.31	1.65	1990	1973
<i>700</i>	609	3075	608	0.2	11.6	-12.0	280	-11.1	607	275	7.4	9.1	16.48	1.64	1990	1973
<i>650</i>	606	3664	603	-3.4	7.0	-14.1	237	-14.1	603	273	9.7	11.3	19.32	1.62	1990	1984
<i>600</i>	606	4294	601	-7.3	2.8	-17.0	209	-17.7	601	272	12.6	14.2	22.33	1.62	1990	1978
<i>550</i>	606	4966	601	-11.8	-1.5	-21.1	195	-21.7	604	271	15.0	17.4	25.50	1.69	1990	1982
<i>500</i>	605	5690	601	-16.7	-4.9	-28.1	191	-26.0	602	271	19.8	21.4	29.62	1.64	1989	1982
<i>450</i>	605	6472	603	-22.3	-8.7	-34.9	186	-31.1	601	271	24.2	25.8	34.10	1.95	1989	1982
<i>400</i>	603	7329	601	-28.4	-13.9	-40.5	188	-36.9	600	271	28.9	30.6	39.16	2.12	1989	1982
<i>350</i>	603	8274	600	-35.0	-21.1	-47.1	126	-42.4	600	271	34.3	36.2	45.39	2.32	1989	1982
<i>300</i>	601	9335	598	-42.0	-29.9	-55.9	21	-46.3	597	269	40.8	43.0	53.87	2.62	1989	1985
<i>250</i>	595	10550	592	-49.0	-36.0	-61.9	3	-55.9	588	268	47.0	49.2	63.37	2.81	1975	1982
<i>200</i>	590	11993	590	-55.7	-42.7	-68.3			574	267	49.9	51.8	72.19	2.14	1987	1979
<i>175</i>	576	12838	576	-58.8	-47.0	-71.3			557	266	48.2	49.8	74.53	1.34	1978	1988
<i>150</i>	555	13800	555	-62.4	-50.5	-72.7			532	267	44.7	46.0	76.54	1.13	1987	1988
<i>125</i>	518	14913	516	-66.9	-56.1	-77.5			485	266	38.8	39.7	76.23	1.26	1990	1989
<i>100</i>	473	16251	472	-70.3	-59.7	-82.5			436	266	30.6	31.3	74.98	1.32	1989	1982
<i>80</i>	398	17572	396	-70.5	-61.7	-88.1			363	266	20.9	21.7	73.23	1.28	1986	1982
<i>70</i>	365	18366	364	-69.1	-56.5	-86.3			329	267	16.1	17.4	74.78	1.76	1986	1982
<i>60</i>	320	19293	320	-66.7	-53.1	-77.9			291	269	11.8	13.7	72.91	2.01	1986	1988
<i>50</i>	283	20402	283	-63.5	-53.9	-75.1			247	275	8.1	11.0	82.06	2.55	1986	1985
<i>40</i>	203	21779	203	-59.9	-48.9	-69.9			173	280	6.8	10.2	95.94	2.83	1986	1985
<i>30</i>	130	23588	130	-56.7	-46.1	-66.9			105	278	6.5	11.2	107.38	3.38	1979	1985
<i>25</i>	91	24759	91	-54.5	-44.5	-65.9			67	285	5.2	10.7	147.37	3.49	1987	1988
<i>20</i>	42	26117	42	-54.7	-44.5	-65.3			29	280	7.1	12.2	181.70	3.70	1981	1985
<i>15</i>	14	28025	14	-51.8	-43.7	-58.3			9	294	9.5	13.3			1981	1984
<i>10</i>	5	30564	5	-49.4	-43.9	-55.1			1	267	10.0	10.0			1987	1984
<i>7</i>	1	33099	1	-38.7	-38.7	-38.7									1987	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

605	700	309			291	221	1144	-58.5		417	102	1619	-71.9
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	981	565	12.4	21.0	4.0	565	5.4	565	304	2.4	4.3	1.30	1.22	1973	1974
<i>1000</i>	562	114											11.75			
<i>950</i>	562	545	559	14.9	23.6	6.4	557	3.7	561	309	4.1	7.3	11.39	1.51	1981	1989
<i>900</i>	562	1003	560	13.0	23.6	3.0	513	-1.2	559	305	4.4	7.5	12.18	1.65	1985	1974
<i>850</i>	562	1481	560	10.3	20.8	1.0	446	-3.7	559	295	5.5	7.9	12.88	1.46	1989	1972
<i>800</i>	562	1982	561	7.3	19.8	-2.3	395	-5.5	559	288	6.3	8.3	13.78	1.36	1986	1983
<i>750</i>	562	2509	562	4.0	14.8	-5.0	339	-7.6	559	282	7.3	9.2	14.40	1.27	1988	1974
<i>700</i>	562	3067	561	0.5	11.0	-9.0	305	-10.2	560	277	8.6	10.4	15.84	1.35	1988	1974
<i>650</i>	562	3657	561	-3.2	8.0	-14.0	267	-13.4	558	273	10.4	12.1	17.50	1.34	1980	1972
<i>600</i>	562	4287	560	-7.3	2.6	-19.0	231	-17.1	558	271	12.8	14.4	18.83	1.36	1985	1972
<i>550</i>	561	4959	561	-11.8	-2.5	-22.1	213	-21.2	557	271	15.9	17.6	21.28	1.45	1985	1980
<i>500</i>	560	5683	560	-16.7	-4.0	-28.0	201	-25.9	556	271	19.3	20.9	23.99	1.53	1974	1978
<i>450</i>	560	6466	559	-22.2	-13.0	-33.0	186	-30.7	552	271	23.4	25.1	27.34	1.63	1977	1978
<i>400</i>	559	7322	558	-28.3	-18.0	-39.9	165	-35.9	552	271	27.9	29.8	31.14	1.81	1977	1982
<i>350</i>	556	8268	556	-34.8	-18.7	-47.9	130	-42.3	550	271	32.8	35.1	35.06	2.27	1990	1982
<i>300</i>	555	9330	553	-41.6	-24.5	-57.9	27	-47.1	544	271	39.3	41.7	42.32	2.85	1990	1982
<i>250</i>	552	10549	549	-48.3	-35.9	-60.5	7	-55.3	538	269	46.2	48.7	52.37	2.77	1990	1982
<i>200</i>	547	11998	543	-54.2	-42.5	-69.1			525	268	49.8	52.1	62.37	1.77	1986	1981
<i>175</i>	524	12847	519	-57.6	-45.7	-71.1			496	268	48.5	50.6	64.75	1.35	1990	1982
<i>150</i>	503	13811	502	-61.8	-51.3	-73.9			474	268	44.3	46.0	63.31	1.72	1983	1985
<i>125</i>	487	14924	486	-66.4	-56.0	-81.7			454	268	38.5	39.8	63.20	2.00	1974	1985
<i>100</i>	461	16263	461	-70.1	-59.0	-81.5			422	267	30.4	31.4	64.64	2.00	1974	1987
<i>80</i>	400	17583	400	-70.7	-58.5	-86.1			367	266	20.9	21.8	69.05	2.37	1986	1985
<i>70</i>	372	18377	372	-69.9	-59.0	-82.3			338	266	16.7	17.7	69.73	2.13	1976	1985
<i>60</i>	326	19303	326	-67.0	-54.7	-79.9			295	272	12.2	14.0	72.89	2.10	1980	1985
<i>50</i>	275	20414	275	-63.4	-55.0	-75.7			239	274	9.3	11.5	81.05	2.19	1974	1985
<i>40</i>	212	21801	212	-59.9	-49.9	-74.5			180	278	7.4	10.4	85.30	2.37	1986	1981
<i>30</i>	147	23617	147	-56.2	-45.5	-71.0			111	279	6.9	11.2	103.99	2.97	1986	1973
<i>25</i>	86	24769	86	-55.2	-44.3	-68.0			59	279	6.4	12.1	141.54	3.96	1989	1973
<i>20</i>	44	26214	44	-52.4	-42.9	-65.1			22	271	7.7	12.1	244.72	3.32	1986	1981
<i>15</i>	11	27997	11	-52.9	-43.7	-62.9			6	279	12.7	15.0			1988	1981
<i>10</i>	4	30604	4	-50.2	-47.9	-55.1			2	258	23.9	24.0			1983	1983
<i>7</i>	1	32945	1	-41.9	-41.9	-41.9			1	265	24.0	24.0			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
560	695	314	296	230	1118	-56.0	414	100	1635	-71.8

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	979	620	17.3	26.0	7.2	620	8.6	620	310	2.3	4.3	0.92	0.90	1972	1979
<i>1000</i>	612	87											8.42			
<i>950</i>	612	526	610	20.1	31.0	9.2	598	6.0	610	312	4.3	7.7	7.38	1.72	1972	1982
<i>900</i>	612	992	611	18.3	28.0	6.2	551	1.4	610	308	4.6	7.7	7.80	1.74	1971	1979
<i>850</i>	612	1479	611	15.1	24.2	3.8	511	-1.3	611	294	6.4	8.5	8.74	1.76	1984	1979
<i>800</i>	612	1989	611	11.4	20.4	-1.3	484	-3.6	611	289	7.9	9.6	10.69	1.76	1990	1982
<i>750</i>	612	2523	611	7.5	17.8	-3.5	459	-6.1	611	285	8.5	10.2	13.15	1.74	1990	1979
<i>700</i>	612	3088	611	3.4	12.4	-7.7	408	-8.8	608	282	9.4	11.1	15.76	1.67	1990	1982
<i>650</i>	612	3684	611	-0.7	8.0	-12.3	367	-12.0	610	277	10.4	12.1	18.99	1.59	1974	1982
<i>600</i>	611	4319	610	-5.0	6.2	-17.0	317	-15.5	609	275	11.8	13.4	21.88	1.66	1982	1971
<i>550</i>	611	4997	610	-9.6	-1.0	-20.0	273	-19.3	609	274	14.0	15.6	25.34	1.60	1974	1971
<i>500</i>	611	5727	609	-14.7	-6.1	-25.5	240	-24.5	610	273	16.7	18.3	28.72	1.52	1988	1980
<i>450</i>	610	6516	610	-20.4	-10.0	-30.7	223	-30.0	609	273	19.7	21.3	33.21	1.57	1972	1980
<i>400</i>	608	7378	607	-26.8	-16.1	-37.1	206	-35.5	607	273	23.1	24.9	36.34	1.50	1988	1982
<i>350</i>	606	8328	605	-33.8	-18.1	-44.5	157	-42.0	602	273	26.9	29.0	41.55	1.65	1990	1982
<i>300</i>	606	9394	606	-41.4	-24.7	-53.0	22	-48.8	595	273	31.7	34.3	46.50	1.95	1990	1978
<i>250</i>	604	10611	602	-49.0	-32.1	-61.0	4	-51.1	577	272	36.2	39.3	51.79	2.35	1990	1978
<i>200</i>	600	12055	599	-54.9	-42.5	-67.1	1	-62.1	565	271	40.5	43.3	57.77	2.20	1983	1981
<i>175</i>	581	12903	580	-57.8	-46.1	-71.3			539	269	40.3	42.6	62.51	1.59	1983	1987
<i>150</i>	557	13868	556	-61.6	-50.7	-72.1			518	271	37.4	39.4	65.68	1.60	1990	1981
<i>125</i>	530	14985	529	-66.1	-54.9	-78.0			490	268	31.6	33.2	71.67	1.64	1990	1978
<i>100</i>	502	16323	501	-70.3	-56.1	-80.7			461	268	24.8	26.0	77.24	1.52	1990	1979
<i>80</i>	452	17642	452	-71.2	-56.9	-82.1			411	268	16.2	17.5	82.98	1.63	1990	1985
<i>70</i>	417	18435	417	-70.0	-55.7	-81.1			378	268	12.5	13.9	86.44	1.84	1990	1985
<i>60</i>	369	19358	369	-67.2	-53.5	-78.1			336	276	8.7	11.0	91.13	2.17	1990	1985
<i>50</i>	314	20463	314	-63.7	-48.1	-74.0			284	290	5.4	9.1	100.19	2.13	1981	1971
<i>40</i>	247	21839	247	-59.8	-48.5	-72.0			219	301	3.8	8.6	110.94	2.15	1986	1973
<i>30</i>	175	23661	175	-55.1	-41.9	-66.0			145	308	2.7	8.1	139.76	2.49	1986	1973
<i>25</i>	122	24834	122	-52.6	-39.1	-64.1			92	295	3.1	8.3	168.44	3.11	1986	1982
<i>20</i>	63	26275	63	-50.2	-42.9	-62.1			46	287	5.4	9.4	200.90	3.14	1988	1982
<i>15</i>	23	28189	23	-47.7	-39.1	-57.7			10	274	4.9	11.3	214.93	4.13	1988	1984
<i>10</i>	8	30942	8	-45.1	-37.1	-55.3			4	278	7.9	16.0			1987	1984
<i>7</i>	6	33213	6	-43.5	-33.5	-54.1			3	276	15.2	15.3			1987	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

609	659	359			354	229	1122	-56.4		464	099	1642	-72.2
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	974	600	23.7	32.0	14.4	600	9.7	600	307	2.1	4.2	0.81	1.23	1973	1989
<i>1000</i>	594	44											5.68			
<i>950</i>	592	491	590	25.8	34.0	15.0	562	7.9	591	311	4.1	7.5	6.26	1.62	1973	1983
<i>900</i>	592	967	591	24.0	31.8	12.0	525	4.2	589	311	4.5	7.3	6.10	1.55	1984	1983
<i>850</i>	592	1463	591	20.5	29.0	7.4	513	1.0	589	301	6.1	7.9	7.34	1.51	1986	1983
<i>800</i>	592	1983	591	16.4	24.2	5.2	496	-1.6	589	296	7.6	9.0	8.75	1.44	1979	1983
<i>750</i>	592	2526	591	11.9	19.0	1.4	486	-4.2	589	293	8.8	10.3	10.54	1.28	1973	1983
<i>700</i>	592	3099	591	7.2	14.0	-3.1	473	-6.8	590	290	9.8	11.4	13.42	1.21	1973	1983
<i>650</i>	592	3703	588	2.6	9.0	-8.9	421	-9.7	590	287	10.1	11.9	15.40	1.15	1976	1987
<i>600</i>	592	4345	588	-2.1	5.0	-12.9	356	-13.5	590	285	10.6	12.5	17.72	1.03	1982	1983
<i>550</i>	592	5030	589	-6.8	1.0	-16.7	290	-17.7	590	282	11.3	13.1	19.56	0.92	1982	1983
<i>500</i>	592	5768	592	-12.0	-4.5	-22.9	225	-22.3	591	278	12.6	14.4	21.63	0.88	1982	1983
<i>450</i>	591	6564	589	-17.6	-8.0	-27.1	195	-27.6	589	277	14.6	16.4	23.35	0.92	1975	1983
<i>400</i>	590	7437	589	-24.2	-16.9	-34.0	168	-32.9	590	277	17.2	19.2	25.69	0.97	1982	1972
<i>350</i>	588	8397	587	-31.3	-20.3	-41.3	129	-39.4	586	277	20.3	22.5	27.54	0.99	1990	1983
<i>300</i>	586	9473	583	-39.2	-28.1	-48.0	55	-45.5	582	276	24.0	26.6	30.61	1.18	1990	1972
<i>250</i>	584	10701	581	-47.2	-33.0	-60.9	5	-52.7	575	275	29.0	31.8	35.70	1.60	1974	1981
<i>200</i>	580	12155	579	-54.0	-40.1	-66.7	2	-58.6	571	273	32.7	35.3	44.71	2.18	1984	1989
<i>175</i>	560	13005	559	-57.4	-45.1	-70.0			546	272	32.2	34.5	49.91	1.66	1988	1972
<i>150</i>	545	13969	545	-61.4	-48.7	-72.0			530	271	29.3	31.3	55.88	1.46	1988	1972
<i>125</i>	508	15083	508	-66.4	-50.1	-76.0			487	269	24.9	26.6	62.45	1.64	1990	1978
<i>100</i>	475	16420	475	-70.8	-60.1	-83.5			447	269	17.9	19.3	66.72	1.56	1982	1982
<i>80</i>	417	17730	417	-72.4	-61.5	-82.1			392	268	10.4	12.4	70.80	1.85	1990	1982
<i>70</i>	388	18519	388	-71.0	-58.1	-80.5			361	274	6.5	9.3	73.80	2.15	1989	1988
<i>60</i>	352	19437	352	-67.4	-53.3	-81.0			324	294	3.8	7.7	78.04	2.57	1989	1973
<i>50</i>	305	20547	305	-62.8	-48.9	-77.0			272	320	2.3	6.6	77.62	2.80	1989	1973
<i>40</i>	252	21942	252	-57.7	-44.5	-75.0			211	331	1.8	6.3	94.99	2.56	1989	1973
<i>30</i>	175	23781	175	-52.5	-42.3	-71.0			143	304	2.8	6.7	119.01	3.16	1989	1973
<i>25</i>	146	24958	146	-49.5	-38.7	-67.0			116	290	3.0	7.4	131.12	3.71	1989	1973
<i>20</i>	71	26424	71	-46.8	-35.1	-59.9			48	283	3.3	7.9	127.21	1.82	1989	1982
<i>15</i>	26	28287	26	-45.0	-37.3	-58.7			18	282	3.4	6.8	150.09	2.63	1985	1982
<i>10</i>	6	30997	6	-42.6	-38.5	-45.9			2	277	14.4	14.5			1983	1986
<i>7</i>	2	33322	2	-42.8	-40.3	-45.3			1	273	11.0	11.0			1983	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

587	623	405		253	214	1176	-56.9		418	095	1678	-73.4
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	971	620	27.5	36.0	15.4	620	11.8	620	265	1.7	4.4	1.82	1.65	1972	1987
<i>1000</i>	610	8											16.04			
<i>950</i>	610	461	608	28.8	36.0	16.6	576	11.1	608	276	3.5	8.0	13.76	1.79	1972	1987
<i>900</i>	610	942	608	27.2	35.0	15.0	530	8.3	608	287	4.1	7.8	11.64	2.00	1984	1982
<i>850</i>	610	1444	610	23.7	32.2	11.0	525	5.6	607	290	5.4	7.6	9.06	1.94	1984	1982
<i>800</i>	610	1969	609	19.7	28.0	9.2	536	2.8	608	294	6.8	8.3	7.32	1.83	1984	1982
<i>750</i>	610	2518	608	15.0	23.0	5.4	536	0.0	608	294	8.2	9.4	7.36	1.75	1984	1979
<i>700</i>	610	3099	609	10.1	18.0	1.2	520	-3.1	608	294	9.0	10.3	7.64	1.70	1984	1979
<i>650</i>	610	3708	608	5.1	13.4	-4.5	500	-6.9	606	296	9.6	11.0	10.26	1.53	1988	1985
<i>600</i>	610	4357	608	0.2	9.0	-7.9	449	-11.1	607	298	9.7	11.3	12.70	1.57	1984	1979
<i>550</i>	610	5047	608	-4.6	5.2	-13.9	363	-15.6	608	297	9.8	11.6	16.29	1.62	1984	1982
<i>500</i>	609	5792	608	-9.3	-0.7	-18.1	240	-20.4	606	292	10.2	12.2	19.86	1.64	1984	1979
<i>450</i>	608	6598	604	-14.5	-4.9	-24.1	153	-24.8	605	286	11.5	13.4	24.79	1.71	1984	1979
<i>400</i>	605	7482	601	-20.5	-8.7	-30.3	116	-30.0	603	282	13.6	15.7	30.26	1.84	1990	1979
<i>350</i>	605	8457	600	-27.2	-13.3	-38.9	95	-36.5	603	279	16.8	18.9	36.80	2.07	1990	1979
<i>300</i>	601	9553	599	-34.4	-22.9	-47.3	61	-43.2	595	276	19.3	22.2	46.13	2.17	1984	1979
<i>250</i>	600	10807	597	-42.5	-30.5	-55.9	6	-47.5	595	271	23.2	25.5	56.91	2.36	1984	1982
<i>200</i>	597	12283	595	-51.5	-41.5	-64.1			593	268	25.4	27.4	68.76	2.07	1984	1987
<i>175</i>	574	13142	571	-56.3	-47.0	-67.7			564	266	24.4	26.2	76.02	1.68	1975	1983
<i>150</i>	553	14109	551	-61.7	-52.1	-72.1			542	265	22.0	23.7	79.93	1.53	1990	1988
<i>125</i>	526	15220	525	-67.7	-57.0	-77.3			506	264	18.4	20.3	83.85	1.66	1975	1988
<i>100</i>	502	16545	502	-72.9	-61.7	-84.0			473	264	12.3	14.4	89.67	1.99	1990	1978
<i>80</i>	433	17852	433	-73.7	-59.1	-88.0			411	273	5.3	9.5	89.18	2.31	1989	1978
<i>70</i>	401	18635	401	-71.1	-56.3	-80.0			379	296	1.7	8.1	88.44	2.38	1989	1975
<i>60</i>	366	19554	366	-66.9	-52.1	-79.0			342	057	2.2	7.5	89.82	2.34	1989	1978
<i>50</i>	326	20664	325	-61.7	-48.3	-79.0			295	082	3.1	7.3	94.54	2.18	1982	1973
<i>40</i>	263	22067	263	-56.3	-44.7	-74.0			233	076	4.1	7.9	105.15	1.95	1989	1973
<i>30</i>	193	23919	193	-51.0	-40.7	-64.1			171	077	5.0	8.3	110.58	1.57	1983	1990
<i>25</i>	151	25110	151	-48.2	-35.5	-62.1			135	088	5.5	9.1	119.46	1.74	1989	1990
<i>20</i>	99	26587	99	-45.9	-31.1	-57.9			79	094	4.1	9.0	143.89	1.50	1989	1985
<i>15</i>	49	28520	49	-43.6	-35.9	-51.9			33	054	1.5	8.6	162.90	2.18	1988	1985
<i>10</i>	18	31261	18	-41.9	-36.1	-47.3			12	279	6.8	10.8			1986	1983
<i>7</i>	8	33614	8	-40.3	-37.7	-44.1			6	292	11.7	13.5			1984	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

607	596	441		99	203	1217	-57.1		443	096	1686	-75.0
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	967	600	29.2	37.0	21.0	600	18.5	600	252	1.6	4.5	1.18	0.97	1972	1986
<i>1000</i>	577	-28											11.39			
<i>950</i>	577	428	576	29.3	36.0	20.0	575	17.5	575	252	3.8	8.2	10.92	1.05	1981	1976
<i>900</i>	577	910	575	27.5	37.4	17.0	567	14.6	575	271	4.6	8.6	10.35	1.15	1990	1976
<i>850</i>	577	1414	575	24.2	32.8	14.2	566	11.8	575	288	5.2	8.0	10.41	0.95	1988	1986
<i>800</i>	577	1941	576	20.5	28.8	11.0	565	9.2	576	297	5.4	7.5	10.66	0.80	1988	1974
<i>750</i>	577	2493	577	16.3	24.2	8.0	565	6.0	574	308	5.8	7.7	12.08	0.68	1984	1974
<i>700</i>	577	3077	575	11.9	19.0	4.0	550	2.1	574	312	6.3	8.2	11.60	0.71	1984	1976
<i>650</i>	576	3692	573	7.3	17.8	-3.9	530	-2.6	571	317	6.5	8.5	12.38	0.95	1990	1985
<i>600</i>	574	4347	571	2.8	10.0	-4.1	481	-7.6	570	318	6.3	8.4	12.81	1.16	1990	1981
<i>550</i>	573	5045	571	-1.5	8.4	-9.5	423	-12.0	569	313	5.8	8.3	14.69	1.45	1990	1982
<i>500</i>	573	5800	571	-5.4	4.0	-15.9	326	-15.0	571	302	5.3	8.4	16.93	1.56	1975	1986
<i>450</i>	573	6620	572	-9.2	1.0	-19.0	255	-18.3	571	290	5.6	9.4	20.32	1.69	1973	1977
<i>400</i>	572	7524	571	-14.1	-6.1	-26.5	179	-23.7	570	282	7.1	10.9	23.91	1.78	1988	1981
<i>350</i>	569	8525	566	-20.1	-12.0	-33.9	121	-29.7	562	278	8.7	12.4	30.18	1.82	1975	1983
<i>300</i>	568	9654	567	-27.6	-18.7	-41.3	81	-36.8	560	273	9.9	13.4	37.11	1.95	1990	1983
<i>250</i>	564	10942	562	-36.9	-28.5	-48.1	32	-43.7	555	268	10.1	13.9	46.39	1.95	1988	1979
<i>200</i>	559	12450	559	-48.4	-39.7	-60.1	1	-61.1	543	265	10.0	13.9	57.62	2.00	1988	1981
<i>175</i>	540	13315	538	-55.2	-45.5	-66.3			519	265	9.6	13.6	66.19	2.10	1988	1981
<i>150</i>	520	14284	519	-62.5	-52.1	-76.0			501	264	8.2	12.4	74.59	2.24	1988	1976
<i>125</i>	504	15389	503	-69.8	-49.7	-82.0			482	265	5.5	10.6	86.16	2.46	1989	1976
<i>100</i>	472	16697	472	-75.8	-63.3	-88.7			449	315	1.4	8.6	97.68	2.48	1988	1979
<i>80</i>	417	17979	415	-75.4	-63.0	-87.0			392	073	5.4	9.4	110.45	2.30	1976	1978
<i>70</i>	385	18753	384	-72.2	-58.0	-83.0			363	081	8.1	10.1	115.19	2.34	1976	1978
<i>60</i>	352	19672	351	-67.1	-52.0	-78.3			331	088	9.9	11.1	121.46	2.30	1976	1980
<i>50</i>	323	20783	321	-61.1	-45.0	-71.0			300	087	10.6	11.6	125.10	2.16	1976	1978
<i>40</i>	270	22180	269	-56.2	-41.0	-70.0			248	084	12.3	13.2	142.59	2.13	1976	1978
<i>30</i>	206	24035	206	-51.0	-40.3	-62.7			188	086	14.7	15.4	140.86	1.95	1987	1985
<i>25</i>	163	25215	163	-48.6	-36.7	-57.1			144	091	15.0	15.3	176.53	2.26	1986	1983
<i>20</i>	105	26719	105	-45.7	-33.9	-54.9			82	091	14.3	14.7	200.46	2.87	1986	1983
<i>15</i>	58	28630	58	-43.8	-34.1	-52.3			43	089	15.5	15.9	272.46	3.06	1988	1980
<i>10</i>	24	31356	24	-41.6	-30.9	-50.7			13	089	13.8	15.4	230.07	3.11	1988	1980
<i>7</i>	7	33920	7	-36.8	-28.3	-42.3			3	092	13.0	13.3			1988	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

572 563 486

2 142 1468 -69.1

426 096 1693 -77.7

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	967	620	27.8	35.0	22.2	620	23.3	620	221	1.0	3.8	0.71	0.96	1979	1985
<i>1000</i>	612	-27											8.54			
<i>950</i>	611	426	609	27.2	34.0	19.8	609	22.7	611	236	2.4	6.8	8.83	0.95	1979	1986
<i>900</i>	611	907	609	24.9	32.6	16.6	609	20.1	609	255	2.4	7.2	8.12	0.87	1982	1989
<i>850</i>	611	1408	610	22.0	29.0	11.6	610	17.6	608	282	2.0	7.1	8.59	0.78	1982	1981
<i>800</i>	611	1933	607	18.9	24.6	12.8	607	14.8	611	312	1.6	6.7	8.51	0.71	1989	1986
<i>750</i>	611	2484	610	15.5	20.6	9.0	608	11.8	610	335	1.6	6.5	9.92	0.71	1989	1986
<i>700</i>	611	3069	611	12.1	19.0	7.0	609	7.8	610	350	1.6	6.1	9.47	0.81	1975	1979
<i>650</i>	611	3685	611	8.7	16.4	2.8	605	3.3	609	002	1.6	5.8	10.83	0.94	1989	1979
<i>600</i>	610	4346	608	5.1	12.2	-0.9	593	-1.5	605	007	1.4	5.7	11.89	1.03	1988	1982
<i>550</i>	610	5051	606	1.4	8.0	-6.0	570	-5.9	609	021	0.6	5.6	13.84	1.10	1972	1976
<i>500</i>	610	5815	607	-2.4	4.0	-8.9	535	-9.8	610	164	0.4	5.7	15.68	1.14	1972	1982
<i>450</i>	610	6644	605	-6.7	-0.9	-13.9	480	-14.3	606	162	1.0	6.1	18.92	1.22	1990	1984
<i>400</i>	606	7558	601	-11.6	-2.9	-19.5	423	-20.6	603	162	1.2	6.2	22.03	1.23	1990	1979
<i>350</i>	606	8568	603	-17.8	-11.7	-28.1	348	-26.7	604	171	1.2	6.4	26.76	1.35	1990	1979
<i>300</i>	603	9708	601	-25.5	-17.3	-34.3	276	-34.5	603	173	1.5	6.8	31.49	1.43	1990	1985
<i>250</i>	601	11005	600	-35.3	-25.1	-44.7	176	-43.2	598	165	1.8	7.7	37.85	1.60	1990	1985
<i>200</i>	591	12522	589	-47.6	-35.5	-58.3	6	-52.0	588	142	2.1	8.7	47.30	1.87	1990	1985
<i>175</i>	576	13390	574	-54.9	-42.7	-67.3	2	-55.9	564	123	2.4	9.4	55.03	2.06	1990	1985
<i>150</i>	558	14359	556	-62.8	-49.9	-74.7	1	-71.7	551	100	3.3	9.9	62.81	2.12	1990	1985
<i>125</i>	523	15460	522	-70.7	-59.1	-81.7			511	075	5.7	10.2	73.31	2.04	1988	1979
<i>100</i>	488	16760	488	-76.6	-66.1	-86.7			471	070	9.9	12.2	84.61	1.84	1990	1979
<i>80</i>	415	18040	415	-75.4	-60.9	-86.0			398	074	13.7	14.5	90.73	2.24	1989	1978
<i>70</i>	385	18819	385	-71.7	-54.9	-80.0			369	080	14.7	15.6	93.08	2.33	1989	1972
<i>60</i>	357	19745	357	-66.3	-51.1	-77.0			333	086	15.9	16.4	95.82	2.18	1989	1972
<i>50</i>	317	20854	317	-61.1	-46.1	-70.0			290	086	16.0	16.4	95.50	2.38	1989	1973
<i>40</i>	253	22256	253	-56.4	-44.0	-66.3			229	085	18.0	18.3	95.73	2.87	1976	1990
<i>30</i>	197	24105	197	-51.7	-42.7	-62.3			172	088	19.4	19.8	107.81	1.88	1986	1990
<i>25</i>	147	25317	147	-49.0	-39.9	-60.3			127	091	21.2	21.6	132.14	1.69	1986	1990
<i>20</i>	102	26819	102	-46.4	-37.5	-56.3			77	093	22.1	22.5	123.02	1.57	1986	1990
<i>15</i>	59	28713	59	-44.6	-38.1	-53.1			46	092	25.5	26.1	164.30	1.51	1984	1981
<i>10</i>	29	31436	29	-42.2	-32.5	-51.3			18	087	28.4	28.6	240.56	3.09	1988	1981
<i>7</i>	9	33735	9	-41.6	-37.1	-45.5			7	091	29.8	30.1			1982	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

606	532	533		5	111	1620	-78.7		438	098	1689	-78.1
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NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	969	620	26.9	35.0	23.0	620	23.6	620	237	0.9	3.9	1.05	0.76	1987	1972
<i>1000</i>	611	-11											9.22			
<i>950</i>	609	441	606	26.3	33.8	18.8	604	22.9	608	237	2.1	6.9	9.53	0.72	1987	1989
<i>900</i>	609	921	607	24.0	30.2	19.2	606	20.4	607	251	1.1	7.1	8.64	0.65	1987	1981
<i>850</i>	609	1421	609	21.3	27.0	16.0	608	17.7	606	354	0.5	6.9	8.48	0.52	1987	1981
<i>800</i>	609	1945	608	18.3	24.2	14.0	607	14.9	604	027	1.3	6.8	8.86	0.52	1979	1985
<i>750</i>	609	2495	607	15.1	19.8	10.2	605	11.3	606	039	1.7	6.6	10.08	0.55	1982	1979
<i>700</i>	609	3079	609	11.8	18.2	5.2	607	7.3	606	046	1.8	6.3	9.98	0.68	1989	1979
<i>650</i>	609	3696	609	8.5	16.2	0.6	604	2.9	607	050	1.6	5.8	11.52	0.83	1989	1979
<i>600</i>	609	4356	606	5.0	11.6	-3.1	588	-1.3	605	061	1.4	5.4	12.39	0.89	1982	1979
<i>550</i>	609	5061	606	1.3	8.4	-4.9	569	-5.2	606	086	1.4	5.1	14.66	0.88	1982	1987
<i>500</i>	608	5825	606	-2.5	4.0	-9.9	533	-9.4	605	109	1.5	5.2	16.16	0.87	1982	1987
<i>450</i>	607	6654	605	-6.9	-0.9	-12.1	486	-14.3	603	114	1.7	5.5	18.77	0.88	1982	1979
<i>400</i>	607	7568	603	-12.1	-4.7	-18.9	428	-20.2	601	121	1.7	5.8	20.37	1.07	1990	1979
<i>350</i>	601	8575	597	-18.5	-11.1	-26.5	358	-27.2	597	133	1.7	5.9	24.90	1.20	1990	1981
<i>300</i>	598	9712	596	-26.4	-17.3	-35.5	296	-34.7	594	141	1.8	6.3	28.61	1.38	1990	1981
<i>250</i>	597	11004	595	-36.4	-27.3	-46.5	177	-43.5	593	142	2.1	7.1	35.90	1.67	1984	1981
<i>200</i>	591	12513	588	-48.9	-38.9	-60.0	2	-59.0	587	128	2.5	8.3	46.79	1.99	1990	1976
<i>175</i>	576	13375	571	-56.3	-46.3	-70.0			566	114	2.8	8.9	54.51	2.18	1989	1976
<i>150</i>	551	14337	547	-64.1	-50.1	-75.0			537	095	3.3	9.2	63.46	2.32	1989	1976
<i>125</i>	518	15430	516	-71.9	-61.5	-82.0			502	079	5.6	9.8	74.06	2.28	1986	1978
<i>100</i>	485	16725	485	-76.9	-63.3	-87.0			464	073	9.0	10.9	85.93	2.12	1989	1978
<i>80</i>	409	18006	407	-74.6	-61.9	-86.0			393	078	12.4	13.2	92.60	2.71	1990	1977
<i>70</i>	367	18791	367	-70.6	-58.1	-84.0			350	084	13.9	14.5	93.47	2.83	1990	1978
<i>60</i>	324	19715	324	-65.5	-51.7	-78.0			310	088	13.9	14.2	96.49	2.75	1990	1974
<i>50</i>	282	20834	282	-60.8	-46.5	-73.0			265	085	14.9	15.3	98.49	2.54	1990	1974
<i>40</i>	225	22237	225	-56.4	-45.0	-67.0			206	085	16.4	16.7	104.89	2.74	1976	1978
<i>30</i>	157	24073	157	-52.2	-40.0	-62.9			140	087	19.1	19.7	126.73	3.67	1976	1988
<i>25</i>	118	25266	118	-49.8	-40.1	-60.0			105	093	20.2	20.8	139.72	2.25	1985	1978
<i>20</i>	74	26725	74	-47.8	-38.3	-55.5			61	095	20.8	21.3	131.87	1.79	1986	1988
<i>15</i>	37	28602	37	-45.7	-37.3	-52.5			35	091	21.7	22.1	124.41	1.96	1982	1988
<i>10</i>	17	31285	17	-42.5	-35.3	-50.1			14	093	24.7	25.2			1982	1988
<i>7</i>	4	33654	4	-42.7	-40.1	-48.1			4	093	37.7	37.7			1984	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

605 532 533

6 107 1636 -78.3

443 101 1671 -78.4

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	973	599	25.6	30.6	16.0	599	20.2	599	261	1.5	4.0	0.63	0.91	1983	1972
<i>1000</i>	595	30											6.94			
<i>950</i>	595	480	589	25.7	31.0	18.0	589	19.2	594	265	3.2	7.2	6.15	0.67	1974	1972
<i>900</i>	595	958	587	23.7	29.8	18.4	587	16.2	593	295	2.8	7.0	5.71	0.70	1982	1986
<i>850</i>	595	1456	591	20.5	26.6	16.0	587	13.3	594	316	3.1	7.0	5.72	0.66	1988	1985
<i>800</i>	595	1978	594	17.1	23.0	12.0	581	10.0	594	324	3.8	7.0	6.94	0.68	1988	1985
<i>750</i>	595	2525	594	13.5	19.2	9.0	571	5.5	595	329	3.9	6.9	6.60	0.77	1982	1985
<i>700</i>	595	3105	593	9.8	16.6	4.8	548	0.7	594	334	3.5	6.5	6.78	0.98	1982	1979
<i>650</i>	595	3715	594	6.0	13.4	-3.5	510	-3.6	593	339	3.1	6.1	8.07	1.22	1982	1986
<i>600</i>	595	4368	595	2.3	9.0	-6.1	456	-7.5	594	326	2.1	5.8	9.68	1.33	1982	1981
<i>550</i>	595	5066	595	-1.1	6.6	-12.9	364	-10.3	593	293	1.9	6.0	12.50	1.25	1986	1982
<i>500</i>	594	5823	593	-4.8	3.4	-17.1	278	-13.7	592	264	3.0	6.7	15.10	1.27	1990	1982
<i>450</i>	592	6644	591	-9.1	-1.1	-22.5	205	-17.6	591	261	4.5	7.7	18.34	1.24	1990	1979
<i>400</i>	590	7548	588	-14.6	-6.7	-25.7	141	-22.4	589	262	6.3	9.0	21.73	1.37	1990	1982
<i>350</i>	588	8546	586	-21.2	-11.7	-31.9	103	-29.5	586	259	8.2	10.4	27.09	1.43	1990	1979
<i>300</i>	586	9670	586	-29.1	-19.1	-39.9	76	-36.9	585	258	9.9	11.8	33.20	1.56	1990	1989
<i>250</i>	584	10948	584	-38.9	-25.9	-50.7	38	-45.2	583	254	11.1	13.0	41.11	1.79	1990	1989
<i>200</i>	579	12441	579	-50.9	-38.1	-66.1	3	-52.6	576	251	11.1	13.3	52.82	2.02	1990	1981
<i>175</i>	562	13296	561	-58.0	-45.5	-70.1	2	-60.9	556	250	10.4	12.9	60.44	2.11	1990	1985
<i>150</i>	532	14250	531	-65.5	-53.3	-77.9	1	-69.5	521	251	9.0	11.9	69.37	2.11	1990	1985
<i>125</i>	506	15336	505	-72.8	-62.3	-81.9			491	258	5.9	9.7	80.73	1.96	1990	1985
<i>100</i>	471	16629	470	-77.0	-66.7	-88.3			448	292	1.7	7.5	88.22	1.85	1986	1988
<i>80</i>	400	17917	400	-73.4	-60.0	-85.1			386	064	3.3	6.9	94.62	2.46	1976	1988
<i>70</i>	379	18703	379	-69.0	-55.0	-84.0			367	075	5.5	7.5	94.53	2.55	1976	1977
<i>60</i>	349	19633	349	-64.2	-49.0	-79.0			331	085	6.7	8.1	97.82	2.46	1976	1972
<i>50</i>	309	20764	309	-59.8	-47.0	-72.9			288	085	8.3	9.5	105.43	2.46	1976	1988
<i>40</i>	242	22172	242	-55.7	-41.9	-68.0			211	082	11.6	12.0	112.92	2.77	1986	1977
<i>30</i>	161	24003	161	-51.5	-37.1	-65.0			141	088	13.7	14.3	152.91	3.84	1986	1977
<i>25</i>	110	25159	110	-49.9	-39.5	-62.0			91	092	13.2	14.2	178.59	4.02	1980	1972
<i>20</i>	72	26617	72	-47.9	-37.7	-57.1			58	093	15.7	16.1	192.34	2.96	1986	1988
<i>15</i>	45	28488	45	-46.3	-40.5	-53.9			34	094	15.4	16.2	209.07	1.93	1987	1988
<i>10</i>	19	31177	19	-44.5	-38.3	-51.1			12	085	20.0	20.4			1987	1979
<i>7</i>	5	33711	5	-42.5	-38.1	-49.3			3	087	25.5	25.7			1986	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
594	567	484	2	129	1510	-78.3	430	104	1644	-78.1

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	978	620	21.8	29.0	15.0	620	12.4	620	286	1.6	3.3	1.24	0.82	1983	1990
<i>1000</i>	615	30											10.40			
<i>950</i>	615	525	614	23.9	29.0	16.0	610	11.2	613	286	2.6	5.8	10.53	0.75	1972	1975
<i>900</i>	615	999	614	21.7	27.0	12.0	598	7.3	612	310	3.1	5.7	10.42	0.73	1979	1975
<i>850</i>	615	1492	615	18.3	24.2	11.0	577	3.6	611	310	4.7	6.5	10.56	0.67	1984	1975
<i>800</i>	615	2008	615	14.5	21.0	7.6	534	0.4	612	309	5.9	7.4	11.07	0.76	1972	1988
<i>750</i>	615	2549	614	10.5	18.0	1.6	477	-3.2	612	311	6.2	7.8	11.26	0.93	1974	1985
<i>700</i>	615	3120	614	6.6	14.0	-0.9	422	-7.1	614	314	6.0	7.7	11.88	1.11	1974	1984
<i>650</i>	614	3723	613	2.7	10.0	-6.1	349	-10.7	612	310	5.5	7.5	11.90	1.21	1974	1989
<i>600</i>	613	4367	612	-1.1	7.0	-10.5	248	-14.0	611	300	5.5	7.8	13.30	1.41	1978	1964
<i>550</i>	611	5056	611	-5.0	5.0	-13.9	147	-17.5	609	288	6.8	9.0	14.92	1.49	1971	1990
<i>500</i>	511	5800	611	-9.4	2.0	-18.9	92	-21.0	610	279	9.0	11.1	16.85	1.62	1971	1987
<i>450</i>	610	6606	609	-14.4	-4.0	-24.0	66	-26.3	607	275	12.2	14.4	19.46	1.77	1971	1977
<i>400</i>	609	7490	609	-20.2	-10.1	-30.7	44	-30.3	607	272	15.4	17.6	24.07	2.02	1984	1979
<i>350</i>	609	8467	608	-26.8	-15.9	-39.7	29	-36.6	607	268	19.4	21.4	30.43	2.22	1984	1979
<i>300</i>	606	9565	606	-34.2	-23.1	-45.9	11	-41.7	607	265	23.3	25.2	38.92	2.32	1984	1982
<i>250</i>	607	10819	606	-42.8	-31.9	-56.3			602	262	26.8	28.6	49.50	2.29	1986	1979
<i>200</i>	601	12293	601	-52.9	-43.9	-64.3			595	258	29.1	30.7	60.75	2.02	1966	1979
<i>175</i>	572	13145	572	-58.7	-49.0	-68.7			562	257	27.9	29.5	66.56	1.96	1972	1985
<i>150</i>	548	14099	548	-64.9	-55.5	-76.1			540	256	25.9	27.4	73.22	1.91	1988	1985
<i>125</i>	512	15195	512	-70.7	-60.5	-83.5			496	258	21.7	23.0	77.90	2.05	1988	1985
<i>100</i>	481	16503	480	-74.5	-63.7	-87.1			451	263	14.4	15.7	81.44	2.29	1989	1981
<i>80</i>	419	17803	419	-72.5	-60.0	-82.5			397	271	6.4	9.3	89.19	2.36	1976	1979
<i>70</i>	392	18592	392	-69.2	-58.0	-82.0			372	279	3.4	7.4	95.26	2.07	1976	1974
<i>60</i>	356	19522	356	-65.1	-54.0	-76.0			331	346	1.4	5.8	100.55	1.99	1976	1974
<i>50</i>	313	20649	313	-60.8	-51.0	-71.1			289	049	1.6	5.8	106.22	2.05	1976	1981
<i>40</i>	256	22048	256	-57.0	-47.0	-68.5			229	074	2.9	5.7	122.26	2.26	1976	1979
<i>30</i>	175	23876	175	-53.2	-44.5	-66.1			151	085	3.7	6.4	148.33	2.63	1986	1979
<i>25</i>	133	25076	133	-51.0	-40.1	-64.3			107	097	4.0	7.2	157.92	2.72	1990	1979
<i>20</i>	86	26537	86	-48.1	-36.5	-62.3			65	106	4.4	7.5	200.48	3.10	1986	1979
<i>15</i>	44	28454	44	-45.8	-39.5	-59.7			29	111	2.6	7.4	282.33	5.38	1986	1979
<i>10</i>	14	31188	14	-43.6	-38.7	-50.5			10	192	2.2	10.9			1986	1983
<i>7</i>	7	33571	7	-41.6	-37.3	-46.1			3	256	4.1	9.3			1982	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

612	613	420														
			15	204	1231	-59.3				456	104	1631	-75.5			

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	982	599	16.6	25.0	9.2	599	6.9	599	301	2.2	3.3	0.95	1.03	1977	1988
<i>1000</i>	595	118											8.24			
<i>950</i>	593	555	591	19.7	30.0	12.8	583	6.2	590	306	3.4	5.6	7.99	0.88	1975	1990
<i>900</i>	593	1021	593	17.2	26.0	10.0	559	2.3	589	312	3.9	5.8	7.58	0.90	1975	1989
<i>850</i>	593	1506	591	14.1	23.0	6.0	481	-1.2	591	309	4.9	6.5	7.90	1.02	1976	1973
<i>800</i>	593	2015	592	10.9	20.0	2.0	384	-4.1	591	311	5.7	7.2	8.70	0.99	1976	1978
<i>750</i>	593	2549	592	7.7	15.0	-2.3	305	-6.6	591	307	5.9	7.5	9.84	1.13	1976	1988
<i>700</i>	593	3114	592	4.3	12.0	-4.0	263	-10.4	590	301	6.2	7.8	11.77	1.26	1972	1974
<i>650</i>	592	3713	591	0.9	10.0	-10.0	187	-12.9	589	293	7.0	8.5	13.57	1.43	1972	1974
<i>600</i>	591	4352	586	-2.8	6.0	-13.9	136	-16.7	587	286	9.0	10.6	16.79	1.46	1975	1981
<i>550</i>	590	5035	587	-7.1	4.8	-17.5	100	-20.4	587	282	11.4	13.0	19.81	1.49	1983	1981
<i>500</i>	591	5772	587	-12.0	6.0	-21.7	78	-22.9	588	279	14.8	16.4	23.16	1.54	1979	1982
<i>450</i>	587	6569	584	-17.5	-7.0	-27.7	73	-28.0	584	278	18.6	20.2	27.60	1.61	1972	1981
<i>400</i>	587	7443	585	-23.8	-15.0	-35.9	60	-33.3	584	276	22.4	24.3	32.51	1.75	1976	1981
<i>350</i>	587	8404	586	-30.7	-21.5	-43.1	44	-37.7	585	274	27.1	29.3	38.04	1.84	1979	1981
<i>300</i>	586	9483	585	-38.3	-27.1	-53.5	25	-43.0	580	273	31.8	34.2	45.51	1.94	1979	1981
<i>250</i>	580	10716	579	-46.4	-38.3	-62.5	5	-54.2	565	269	36.9	39.2	53.03	1.68	1979	1981
<i>200</i>	575	12170	574	-55.1	-45.5	-67.9	1	-60.1	555	267	39.7	41.8	60.03	1.60	1988	1988
<i>175</i>	547	13015	547	-59.7	-49.5	-69.9	1	-66.1	524	266	38.6	40.5	62.51	1.73	1988	1988
<i>150</i>	521	13972	521	-64.2	-52.9	-76.3			495	265	36.1	37.6	62.26	1.95	1988	1981
<i>125</i>	481	15074	481	-68.8	-60.1	-83.0			458	266	31.1	32.3	68.45	2.20	1985	1978
<i>100</i>	450	16391	450	-72.4	-61.3	-86.1			421	267	23.8	24.9	72.58	2.50	1989	1981
<i>80</i>	376	17701	376	-71.8	-60.1	-84.3			348	273	15.4	16.8	83.37	2.35	1986	1984
<i>70</i>	345	18421	345	-69.6	-56.9	-82.0			318	277	10.8	12.8	87.74	2.37	1986	1978
<i>60</i>	312	19419	312	-66.2	-53.9	-79.0			288	281	6.8	10.3	92.61	2.23	1986	1977
<i>50</i>	275	20534	275	-62.4	-49.1	-75.0			247	287	4.3	8.9	98.09	2.04	1986	1977
<i>40</i>	214	21920	214	-58.2	-46.5	-69.9			192	291	3.5	8.4	121.58	2.92	1990	1984
<i>30</i>	149	23739	149	-53.7	-41.3	-65.9			128	294	2.7	8.8	121.97	2.27	1979	1984
<i>25</i>	104	24911	104	-51.9	-39.9	-62.1			89	293	1.9	9.3	130.01	2.57	1979	1984
<i>20</i>	65	26372	65	-49.6	-37.9	-61.3			51	274	3.4	10.2	125.00	3.02	1980	1984
<i>15</i>	37	28273	37	-47.4	-38.3	-58.1			27	271	4.6	9.7	162.85	3.10	1986	1984
<i>10</i>	8	30782	8	-45.0	-39.3	-50.9			3	287	10.9	11.0			1987	1984
<i>7</i>	2	33294	2	-42.5	-39.3	-45.7			2	285	9.9	10.0			1982	1982

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
587	638	388	91	189	1256	-61.1	405	105	1617	-73.6

NORMALS OF RADIOSONDE DATA

42182 NEW DELHI

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	619	984	619	11.7	19.0	2.0	619	4.6	619	306	2.6	3.7	1.10	0.97	1982	1973
1000	608	138											8.57			
950	606	568	604	14.8	23.4	4.0	599	3.6	602	309	4.3	6.3	8.82	1.08	1985	1973
900	606	1027	604	13.0	23.4	5.0	558	-1.2	598	313	4.2	6.3	8.34	1.01	1985	1986
850	606	1505	602	10.8	20.8	1.4	447	-4.0	600	306	4.5	6.5	8.41	1.18	1982	1990
800	606	2008	603	8.3	18.8	-1.7	355	-6.1	601	298	5.1	6.9	9.18	1.44	1982	1990
750	606	2538	603	5.6	14.0	-4.1	289	-8.5	602	289	5.8	7.5	10.75	1.52	1982	1986
700	606	3099	602	2.4	11.6	-6.5	242	-11.6	601	282	6.8	8.6	12.69	1.59	1987	1981
650	604	3694	599	-1.2	9.4	-10.3	212	-15.1	601	277	8.5	10.2	15.28	1.57	1988	1981
600	603	4328	600	-5.1	4.8	-14.9	197	-18.7	600	275	11.2	12.8	18.66	1.57	1987	1979
550	601	5005	598	-9.6	-0.7	-21.1	175	-22.3	599	273	13.9	15.5	22.64	1.72	1987	1986
500	599	5735	597	-14.6	-6.1	-24.9	160	-26.3	597	273	17.4	19.0	27.04	1.67	1987	1981
450	597	6525	597	-20.2	-11.9	-30.3	145	-31.5	596	271	21.5	23.1	31.14	1.57	1987	1981
400	594	7389	594	-26.4	-4.0	-35.7	125	-36.3	593	271	25.6	27.3	36.32	1.49	1974	1988
350	591	8340	590	-33.3	-25.0	-43.0	105	-42.2	585	271	30.1	31.9	41.10	1.45	1973	1972
300	590	9409	588	-40.9	-29.5	-52.0	29	-47.8	585	269	35.9	38.0	48.34	1.55	1982	1972
250	584	10628	592	-48.8	-38.0	-60.0	10	-59.8	573	266	42.1	44.5	54.74	1.75	1973	1974
200	573	12069	571	-56.8	-43.7	-68.1	2	-66.6	549	265	46.2	48.4	60.46	1.48	1989	1960
175	544	12909	544	-60.4	-49.7	-72.1			512	265	44.6	46.5	61.86	1.34	1989	1987
150	523	13851	522	-63.5	-49.0	-77.9			477	265	40.9	42.3	62.98	1.27	1973	1987
125	492	14970	492	-67.1	-57.5	-78.5			444	265	36.4	37.5	62.94	1.33	1988	1987
100	461	16304	461	-70.3	-55.9	-79.5			400	265	29.5	30.3	62.58	1.77	1989	1980
80	398	17623	398	-70.6	-58.9	-82.1			345	266	20.9	21.8	67.05	2.13	1986	1984
70	361	18415	361	-69.3	-54.0	-80.0			310	268	16.0	17.3	67.82	2.55	1974	1975
60	318	19342	318	-66.7	-53.5	-78.0			273	273	11.7	13.4	70.88	2.73	1986	1977
50	274	20454	274	-63.2	-50.7	-76.0			226	277	9.0	11.1	76.72	3.06	1990	1977
40	215	21833	215	-59.9	-46.9	-72.0			170	275	8.2	10.8	94.43	2.98	1985	1977
30	148	23644	148	-56.2	-42.1	-68.5			118	280	8.1	11.4	127.13	4.38	1985	1984
25	109	24795	109	-54.2	-44.1	-64.0			86	272	8.0	11.7	132.15	3.79	1985	1972
20	65	26208	65	-51.9	-40.5	-63.9			47	275	11.7	13.5	169.49	3.38	1990	1984
15	27	28063	27	-49.3	-37.7	-58.9			19	272	13.1	14.9	194.96	3.71	1990	1984
10	9	30850	9	-44.9	-38.7	-53.5			7	273	5.8	10.7			1982	1984
7	3	33141	3	-47.5	-45.3	-48.7			1	111	14.0	14.0			1990	1982

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

600	668	349		226	192	1237	-61.7		402	101	1533	-72.1
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NORMALS OF RADIOSONDE DATA

42101 PATIALA

JANUARY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	986	403	7.7	15.4	2.6	403	6.7	403	338	0.8	1.7	1.07	1.17	1990	1984
<i>1000</i>	388	132											8.15			
<i>950</i>	387	558	387	12.4	21.4	3.6	385	4.0	383	344	3.2	5.2	9.66	1.16	1990	1983
<i>900</i>	387	1014	387	11.6	21.0	3.4	360	-1.0	382	331	3.7	6.4	10.09	1.54	1986	1983
<i>850</i>	387	1490	387	8.9	18.4	0.2	308	-4.3	382	314	2.6	6.0	11.83	1.78	1988	1983
<i>800</i>	387	1989	387	6.1	16.2	-3.0	263	-6.9	383	299	2.2	6.3	13.50	1.93	1986	1978
<i>750</i>	387	2515	387	3.0	15.0	-10.0	231	-9.4	383	283	2.5	6.3	16.11	2.03	1988	1978
<i>700</i>	387	3071	387	-0.4	12.4	-10.5	205	-12.2	382	268	3.3	6.5	19.02	2.09	1988	1983
<i>650</i>	383	3660	382	-4.1	9.0	-18.0	180	-15.4	379	266	4.8	7.8	22.12	2.26	1988	1978
<i>600</i>	378	4288	378	-7.9	4.4	-18.0	171	-18.8	373	268	7.9	10.5	26.42	2.16	1988	1978
<i>550</i>	375	4958	375	-12.3	-0.9	-23.0	149	-22.8	369	269	10.7	13.2	32.30	2.21	1988	1978
<i>500</i>	371	5681	370	-17.2	-6.3	-28.0	133	-26.8	365	271	14.6	16.9	37.26	2.32	1988	1978
<i>450</i>	369	6464	368	-22.5	-10.5	-35.0	121	-31.2	361	269	18.5	20.8	42.58	2.56	1988	1978
<i>400</i>	367	7320	366	-28.2	-13.1	-41.0	102	-36.2	358	272	23.5	25.7	49.92	2.96	1989	1978
<i>350</i>	359	8268	359	-34.9	-18.1	-49.0	70	-41.5	341	272	28.7	30.9	60.02	3.33	1989	1978
<i>300</i>	350	9330	350	-41.9	-26.5	-57.0	22	-45.7	318	271	33.2	35.8	71.99	3.53	1989	1978
<i>250</i>	334	10551	334	-48.5	-34.9	-61.9	1	-47.3	271	269	37.1	39.5	86.95	3.46	1989	1982
<i>200</i>	315	12002	315	-53.7	-39.3	-65.1			211	271	41.1	43.5	103.13	2.31	1985	1982
<i>175</i>	280	12864	280	-55.9	-45.3	-69.5			173	272	39.7	41.7	106.07	1.93	1986	1979
<i>150</i>	248	13834	248	-58.3	-49.9	-69.5			142	271	36.7	38.4	112.52	2.13	1985	1982
<i>125</i>	199	14864	199	-61.7	-51.5	-71.9			99	271	31.6	33.1	121.30	2.42	1983	1986
<i>100</i>	159	16323	159	-64.8	-54.1	-74.5			78	267	26.0	27.5	131.54	2.87	1985	1990
<i>80</i>	137	17679	137	-65.2	-55.3	-77.0			60	269	18.7	20.6	136.83	2.86	1985	1978
<i>70</i>	127	18490	127	-64.2	-54.1	-77.0			57	269	14.9	17.4	149.00	3.14	1982	1978
<i>60</i>	108	19436	108	-62.1	-53.9	-72.1			46	272	10.0	12.9	158.39	3.07	1981	1979
<i>50</i>	97	20585	97	-58.9	-49.7	-69.3			37	269	7.8	11.0	135.20	2.72	1979	1990
<i>40</i>	72	22024	72	-55.9	-45.5	-64.5			27	285	7.7	9.9	94.57	2.85	1983	1985
<i>30</i>	47	23889	47	-52.5	-43.3	-61.3			15	272	7.1	10.7	69.62	2.41	1979	1990
<i>25</i>	30	25054	30	-51.6	-41.1	-60.1			12	277	3.5	10.9	159.50	3.06	1983	1985
<i>20</i>	15	26486	15	-51.1	-43.3	-58.7			7	235	1.7	10.9			1983	1985
<i>15</i>	8	28329	8	-49.0	-43.7	-56.1			2	036	5.9	7.5			1981	1985
<i>10</i>	2	30909	2	-50.8	-48.3	-53.3									1989	1985
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
387	706	302	133	228	1119	-55.7	123	099	1656	-66.9

NORMALS OF RADIOSONDE DATA

42101 PATIALA

FEBRUARY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	367	984	367	9.6	18.4	2.0	367	8.0	367	336	0.9	2.0	1.69	1.06	1989	1978
1000	354	113											13.96			
950	351	542	351	14.2	22.4	4.2	346	4.8	346	347	3.2	6.0	14.24	1.39	1989	1984
900	351	1000	351	12.7	23.0	2.6	328	0.0	346	332	3.6	7.3	14.99	1.72	1989	1984
850	351	1478	350	9.7	19.8	0.0	303	-3.9	346	312	3.2	6.8	15.08	1.79	1988	1984
800	351	1979	350	6.6	18.0	-3.7	270	-6.9	345	296	3.1	6.5	16.01	1.77	1990	1984
750	351	2504	351	3.2	14.0	-6.0	240	-9.0	343	286	3.4	6.7	16.61	1.76	1990	1978
700	351	3061	351	-0.4	10.0	-9.5	218	-11.5	343	278	4.3	7.4	18.01	1.79	1988	1984
650	349	3649	349	-4.3	6.0	-14.0	200	-15.3	339	279	6.0	8.5	20.73	2.01	1988	1978
600	345	4276	345	-8.3	2.4	-18.0	180	-18.5	337	274	8.4	10.8	23.24	2.15	1988	1978
550	341	4945	340	-12.6	-0.7	-23.0	163	-22.0	332	273	11.0	13.4	28.15	2.30	1990	1978
500	337	5667	337	-17.5	-4.9	-29.0	140	-26.1	330	271	14.1	16.4	31.95	2.36	1988	1978
450	335	6448	334	-22.8	-8.7	-33.7	123	-30.7	326	272	18.4	20.6	37.90	2.44	1988	1979
400	331	7305	331	-28.8	-15.7	-38.5	106	-36.0	322	273	22.4	24.6	45.87	2.69	1985	1979
350	326	8247	326	-35.5	-18.7	-46.5	70	-41.1	310	273	27.3	29.8	53.79	3.18	1985	1979
300	319	9307	319	-42.6	-24.3	-56.0	20	-44.8	297	272	33.0	35.8	66.26	3.65	1985	1978
250	303	10520	303	-49.2	-31.3	-65.0	3	-44.3	254	272	39.0	41.8	80.75	3.61	1990	1978
200	282	11968	281	-53.2	-36.9	-66.1			190	267	40.9	43.2	90.49	2.81	1990	1981
175	251	12814	250	-55.1	-41.1	-68.0			146	268	39.3	41.4	102.16	2.46	1990	1978
150	211	13783	210	-57.9	-46.3	-73.3			110	266	38.9	40.8	117.01	2.57	1986	1989
125	174	14919	174	-61.1	-50.5	-74.1			78	265	33.4	34.7	121.81	2.37	1989	1979
100	140	16292	140	-64.1	-54.5	-77.0			55	265	24.7	27.0	122.76	2.26	1989	1978
80	114	17653	114	-64.7	-54.5	-79.5			45	266	16.6	18.0	124.69	2.94	1983	1981
70	110	18469	110	-63.6	-53.3	-78.0			41	265	14.1	16.1	124.31	3.43	1983	1978
60	98	19431	98	-61.8	-50.5	-78.0			37	269	9.6	12.6	142.76	4.03	1982	1978
50	86	20579	86	-58.8	-48.7	-72.0			31	284	5.3	9.6	145.61	3.34	1983	1978
40	76	21992	76	-55.7	-45.9	-68.5			25	265	3.4	7.7	155.10	3.27	1983	1984
30	50	23865	50	-51.6	-42.9	-65.7			16	277	5.9	9.4	148.71	1.55	1983	1983
25	29	25080	29	-49.7	-40.1	-64.1			7	290	9.2	10.6	179.10	2.87	1983	1983
20	15	26523	15	-47.9	-36.9	-62.7			4	282	11.3	12.5			1983	1983
15	6	28245	6	-51.0	-44.7	-61.1									1981	1983
10	1	30364	1	-58.7	-58.7	-58.7									1983	1983
7																

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

351	705	302		129	236	1095	-55.3		108	098	1657	-66.1
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NORMALS OF RADIOSONDE DATA

42101 PATIALA

MARCH 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	981	403	13.6	21.6	4.0	403	11.5	403	347	1.0	2.2	1.04	0.88	1985	1979
1000	393	86											9.06			
950	392	521	392	18.4	29.2	5.6	391	7.8	390	357	3.4	6.5	9.13	1.27	1985	1979
900	392	986	392	17.2	27.2	4.0	368	2.6	390	336	3.6	7.5	8.62	1.70	1985	1982
850	392	1471	392	14.1	23.0	0.0	339	-0.6	389	308	3.6	7.3	7.91	1.78	1984	1978
800	392	1980	392	10.6	20.2	-0.5	314	-3.5	389	297	4.2	7.4	8.75	1.70	1989	1979
750	392	2514	392	6.7	15.8	-5.3	294	-5.9	385	290	5.0	7.9	9.23	1.76	1985	1979
700	392	3076	392	2.7	13.6	-10.3	277	-8.9	385	286	5.9	8.4	12.38	1.81	1985	1979
650	390	3671	390	-1.4	10.0	-13.7	259	-11.9	381	280	6.8	9.2	16.05	1.76	1985	1979
600	386	4305	385	-5.7	6.4	-15.7	235	-15.0	374	275	8.5	10.8	18.46	1.78	1985	1979
550	383	4982	382	-10.2	1.6	-19.3	223	-20.0	370	273	10.3	12.6	23.10	1.78	1985	1983
500	381	5710	381	-15.2	-3.9	-24.9	189	-24.4	368	272	12.7	15.0	26.98	1.85	1985	1983
450	379	6499	378	-20.5	-9.1	-30.9	168	-29.4	360	273	15.9	18.0	32.84	2.00	1990	1983
400	377	7361	376	-26.7	-13.9	-36.1	143	-34.8	356	273	18.8	21.1	38.20	2.16	1990	1980
350	371	8313	370	-33.6	-18.3	-44.5	105	-41.3	343	273	22.6	25.5	46.81	2.48	1990	1980
300	363	9380	362	-41.2	-24.3	-50.9	21	-45.4	321	274	27.6	30.6	56.70	2.84	1990	1982
250	349	10598	348	-48.9	-29.9	-61.5	1	-47.5	278	273	32.9	35.8	68.66	3.26	1990	1982
200	319	12039	319	-53.8	-37.7	-68.1			211	273	35.1	37.6	85.39	3.13	1990	1982
175	276	12895	276	-55.7	-42.3	-71.5			172	272	33.5	35.4	101.48	2.83	1990	1987
150	237	13863	237	-58.4	-45.5	-73.5			140	273	31.7	33.4	110.91	2.88	1990	1987
125	183	14983	183	-61.9	-46.9	-77.1			106	273	26.8	28.4	103.30	3.30	1990	1982
100	150	16346	150	-65.1	-47.3	-79.3			81	273	18.8	19.8	107.31	4.52	1990	1982
80	129	17700	129	-65.5	-50.9	-79.1			69	277	12.0	13.2	156.89	4.81	1990	1982
70	115	18514	115	-64.5	-54.5	-76.3			63	280	9.6	10.9	104.74	2.26	1981	1979
60	102	19464	102	-61.9	-51.5	-74.1			55	284	6.7	9.4	121.66	2.78	1981	1983
50	93	20607	93	-58.0	-43.1	-70.0			50	300	4.9	7.2	146.75	4.05	1982	1978
40	78	22027	78	-54.8	-44.5	-64.3			36	311	3.9	7.1	181.95	3.60	1983	1979
30	50	23938	50	-49.5	-38.7	-59.1			18	320	3.1	7.6	260.39	4.14	1983	1979
25	33	25138	33	-47.5	-41.9	-56.1			10	292	2.9	8.6	271.77	3.92	1982	1979
20	17	26702	17	-44.2	-39.9	-49.7			3	317	5.2	7.3			1981	1986
15	5	28633	5	-41.0	-35.7	-46.9			1	307	8.0	8.0			1981	1986
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
389	667	347	156	228	1122	-56.6	118	100	1642	-66.8

NORMALS OF RADIOSONDE DATA

42101 PATIALA

APRIL 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	977	390	19.1	28.4	11.0	390	13.8	390	356	0.8	2.1	1.04	1.10	1980	1990
<i>1000</i>	374	44											6.53			
<i>950</i>	374	487	374	23.7	35.0	13.8	372	9.8	370	357	3.4	6.0	6.95	1.55	1980	1988
<i>900</i>	374	962	374	23.2	33.4	13.0	349	4.7	370	341	4.1	7.3	8.47	1.53	1980	1986
<i>850</i>	374	1457	374	19.8	29.6	7.8	315	1.6	370	321	4.3	7.2	10.36	1.48	1980	1986
<i>800</i>	374	1976	374	15.9	27.2	6.2	296	-1.4	370	311	5.2	7.3	12.51	1.44	1981	1986
<i>750</i>	374	2518	374	11.8	24.8	3.0	286	-4.5	369	306	6.4	8.4	14.50	1.39	1981	1978
<i>700</i>	374	3092	374	7.3	21.2	-2.9	261	-6.8	367	300	7.3	9.3	16.71	1.33	1981	1990
<i>650</i>	373	3696	373	2.6	17.8	-7.5	250	-10.0	364	297	7.8	9.8	19.37	1.22	1981	1990
<i>600</i>	371	4339	371	-1.9	12.4	-13.5	224	-13.1	360	293	8.5	10.8	21.23	1.17	1981	1986
<i>550</i>	365	5024	365	-6.6	6.8	-18.7	183	-16.7	353	289	9.1	11.6	25.88	1.31	1981	1983
<i>500</i>	361	5764	361	-11.6	0.2	-22.0	150	-21.2	344	283	10.5	12.8	27.59	1.25	1981	1978
<i>450</i>	360	6563	360	-17.0	-6.3	-27.0	124	-26.0	335	280	12.1	14.6	32.02	1.31	1981	1978
<i>400</i>	356	7438	356	-23.2	-12.9	-33.0	108	-31.7	322	279	14.7	17.2	34.26	1.48	1981	1978
<i>350</i>	353	8402	353	-30.1	-19.7	-40.3	85	-38.0	312	279	17.1	19.7	39.62	1.74	1981	1983
<i>300</i>	348	9485	348	-37.9	-26.9	-50.0	37	-44.2	297	279	20.7	23.6	44.26	2.18	1981	1978
<i>250</i>	339	10722	338	-46.1	-31.1	-62.0	4	-44.8	275	276	25.2	28.2	57.07	2.73	1990	1978
<i>200</i>	309	12179	309	-52.4	-35.7	-67.3			229	275	29.2	31.7	71.96	2.79	1990	1982
<i>175</i>	277	13035	277	-54.8	-44.3	-66.3			202	275	29.5	31.5	78.68	2.49	1990	1983
<i>150</i>	243	14014	243	-58.0	-48.1	-72.5			167	275	27.8	29.6	85.95	2.47	1988	1979
<i>125</i>	212	15145	212	-62.0	-50.5	-75.5			139	272	23.0	24.6	102.73	2.50	1990	1979
<i>100</i>	169	16511	169	-66.2	-46.1	-79.3			118	275	17.7	19.1	111.92	2.67	1990	1979
<i>80</i>	133	17857	133	-67.1	-55.9	-79.1			91	275	10.7	13.3	126.73	2.81	1981	1982
<i>70</i>	119	18670	119	-65.6	-54.7	-75.9			81	278	6.7	11.3	134.99	2.53	1988	1979
<i>60</i>	108	19619	108	-62.9	-50.1	-74.0			73	294	4.0	10.5	131.18	2.81	1989	1978
<i>50</i>	98	20758	98	-58.7	-42.5	-72.0			66	288	2.8	9.2	133.55	2.67	1989	1978
<i>40</i>	84	22189	84	-53.3	-41.5	-68.0			53	261	0.6	8.5	142.89	3.05	1986	1978
<i>30</i>	66	24100	66	-48.1	-37.9	-64.0			40	312	2.3	7.9	199.38	4.93	1981	1978
<i>25</i>	50	25304	50	-45.6	-35.5	-58.0			30	310	1.3	7.6	213.04	3.53	1981	1978
<i>20</i>	34	26802	34	-42.9	-34.3	-48.7			14	273	7.0	9.1	249.89	1.96	1988	1981
<i>15</i>	14	28798	14	-40.9	-31.3	-47.5			4	271	7.1	8.2			1981	1981
<i>10</i>	4	31549	4	-39.7	-37.3	-43.1			1	012	4.0	4.0			1990	1986
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
372	621	437	77	212	1181	-56.5	135	100	1660	-68.0

NORMALS OF RADIOSONDE DATA

42101 PATIALA

MAY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	403	973	403	23.7	30.8	15.8	403	16.4	403	062	0.5	2.0	2.24	1.54	1984	1987
1000	375	9											18.24			
950	374	457	374	26.9	35.6	16.0	366	13.1	371	024	2.0	5.4	17.07	1.93	1984	1987
900	374	937	373	26.7	35.4	14.4	342	8.7	371	002	1.9	7.0	14.04	2.47	1980	1986
850	374	1438	374	23.4	32.0	11.2	329	5.8	371	319	2.6	6.4	11.09	2.39	1990	1987
800	374	1963	373	19.5	28.6	8.4	315	3.3	370	308	3.8	6.7	9.16	2.39	1990	1987
750	374	2513	371	15.2	25.2	4.2	304	0.4	370	300	5.1	7.6	9.44	2.13	1990	1987
700	374	3093	373	10.5	22.6	0.2	294	-2.9	369	299	6.6	8.7	10.98	1.98	1990	1987
650	372	3704	371	5.7	18.8	-4.1	284	-7.1	367	298	7.7	9.9	14.70	1.97	1990	1979
600	366	4354	367	0.9	15.0	-8.7	263	-10.7	363	300	8.5	10.7	17.81	1.92	1990	1979
550	366	5046	365	-4.0	7.8	-18.1	231	-14.9	361	298	8.7	11.2	21.64	1.92	1990	1981
500	363	5792	363	-9.1	4.4	-19.9	187	-19.5	353	295	9.4	12.0	26.59	2.00	1990	1979
450	355	6599	354	-14.2	-0.5	-25.5	135	-25.2	342	288	10.9	13.4	33.26	2.16	1990	1979
400	349	7484	348	-20.2	-5.3	-31.7	103	-30.3	335	283	12.8	15.4	40.04	2.42	1990	1987
350	347	8460	347	-26.7	-8.9	-40.7	71	-36.4	328	281	16.1	18.6	51.26	2.80	1990	1987
300	339	9560	339	-33.8	-17.5	-49.9	39	-42.8	315	280	20.0	22.5	62.43	3.25	1990	1987
250	331	10817	331	-41.7	-27.3	-56.3	4	-43.6	299	275	24.2	26.9	79.30	3.32	1990	1987
200	321	12303	321	-50.1	-37.1	-63.3			266	271	26.4	28.8	99.98	3.24	1990	1979
175	295	13172	295	-54.2	-43.9	-68.7			233	273	25.5	27.4	111.30	2.97	1980	1979
150	267	14151	267	-58.6	-47.1	-70.0			202	269	24.1	26.1	120.52	2.57	1990	1978
125	212	15288	212	-63.1	-51.7	-76.0			158	268	18.4	20.2	127.27	2.99	1990	1978
100	166	16642	166	-67.7	-58.1	-83.0			126	263	11.1	14.1	140.85	3.40	1990	1978
80	146	17974	146	-68.1	-54.1	-82.0			113	267	5.1	9.6	155.05	2.81	1981	1978
70	132	18789	132	-65.7	-49.1	-78.0			104	284	3.0	8.5	156.53	2.91	1981	1978
60	123	19739	123	-61.9	-50.5	-75.0			97	322	1.3	8.6	156.59	3.07	1986	1978
50	119	20886	119	-56.9	-45.5	-72.0			92	032	1.3	8.2	160.29	2.71	1986	1978
40	107	22326	107	-51.7	-42.3	-67.7			79	084	3.0	7.8	152.69	2.80	1986	1990
30	91	24224	91	-46.4	-38.5	-64.3			67	082	3.1	8.5	137.35	1.77	1984	1990
25	74	25441	74	-44.2	-37.1	-62.7			51	094	2.6	8.5	139.65	2.08	1982	1990
20	52	26918	52	-41.8	-32.5	-61.1			33	098	3.1	9.3	150.90	2.70	1983	1990
15	26	28785	26	-41.3	-35.9	-51.1			17	080	1.9	9.1	189.63	3.97	1983	1990
10	11	31473	11	-38.0	-31.9	-46.1			9	003	0.7	7.6			1983	1983
7	3	33902	3	-37.7	-32.7	-43.5			3	081	2.4	17.3			1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

367	591	448														
			47	201	1224	-55.7				149	099	1681	-69.4			

NORMALS OF RADIOSONDE DATA

42101 PATIALA

JUNE 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	969	390	26.9	33.4	19.4	390	21.2	390	113	1.1	2.4	1.36	0.90	1990	1986
<i>1000</i>	352	-28											8.41			
<i>950</i>	351	424	351	28.3	36.6	21.0	348	18.8	347	104	2.3	5.9	8.56	0.91	1990	1986
<i>900</i>	351	906	351	27.9	36.8	18.2	343	14.7	347	173	0.6	6.7	7.77	1.12	1981	1983
<i>850</i>	351	1411	351	24.9	34.0	16.0	337	11.6	347	278	1.8	6.3	7.48	1.04	1981	1982
<i>800</i>	351	1939	351	21.2	30.6	11.8	338	8.3	347	302	3.6	6.2	8.22	0.97	1981	1983
<i>750</i>	351	2494	351	17.1	26.0	6.0	334	5.5	346	307	5.3	7.0	10.27	0.95	1981	1978
<i>700</i>	350	3078	350	12.7	21.6	2.6	321	2.2	345	311	6.1	7.7	10.84	0.99	1981	1983
<i>650</i>	345	3695	344	8.3	16.4	-1.5	304	-2.3	334	316	6.4	8.1	13.31	1.16	1988	1982
<i>600</i>	342	4352	341	3.7	13.4	-7.1	276	-7.1	330	317	6.6	8.4	15.33	1.34	1988	1982
<i>550</i>	342	5052	340	-0.8	10.4	-12.1	246	-11.8	329	315	6.7	8.5	19.15	1.46	1988	1982
<i>500</i>	336	5809	333	-5.2	6.4	-17.1	194	-15.4	322	306	6.2	8.9	22.43	1.51	1988	1981
<i>450</i>	332	6628	332	-9.3	1.2	-21.1	148	-19.9	316	291	7.0	10.2	27.88	1.70	1990	1982
<i>400</i>	330	7531	325	-14.0	-4.3	-27.1	102	-25.0	314	281	9.2	12.9	33.38	1.90	1990	1986
<i>350</i>	321	8534	321	-19.5	-8.1	-34.9	69	-29.6	306	280	12.4	15.6	40.06	1.96	1989	1986
<i>300</i>	312	9666	312	-26.3	-13.3	-41.7	40	-35.9	294	275	14.7	17.3	47.76	2.14	1990	1986
<i>250</i>	305	10961	304	-34.8	-20.3	-48.9	18	-42.4	279	271	16.2	19.2	60.36	2.37	1990	1986
<i>200</i>	287	12483	287	-45.9	-33.7	-59.7	1	-49.7	254	268	15.7	18.6	72.01	2.26	1990	1990
<i>175</i>	262	13357	262	-52.3	-40.5	-61.5			231	268	15.0	17.6	84.68	2.32	1990	1982
<i>150</i>	229	14337	229	-59.2	-49.3	-69.5			198	268	13.2	16.3	91.93	2.39	1988	1986
<i>125</i>	195	15457	195	-66.1	-53.7	-77.9			167	272	9.5	13.2	92.74	2.70	1983	1986
<i>100</i>	163	16793	163	-71.6	-61.3	-84.0			139	279	4.2	9.4	124.86	2.90	1983	1978
<i>80</i>	136	18101	136	-70.9	-57.1	-85.0			118	052	2.4	8.6	122.95	3.03	1982	1978
<i>70</i>	126	18896	126	-67.7	-53.1	-80.0			109	066	4.9	9.3	129.56	3.82	1982	1978
<i>60</i>	111	19828	111	-62.7	-46.5	-72.1			94	085	9.5	11.1	130.74	3.05	1982	1983
<i>50</i>	99	20974	99	-56.8	-41.7	-66.7			83	091	10.6	11.8	130.08	2.82	1982	1984
<i>40</i>	87	22429	87	-50.9	-36.3	-61.5			73	086	11.7	13.2	125.39	3.20	1982	1988
<i>30</i>	73	24311	73	-46.5	-37.7	-56.1			55	088	11.2	13.2	135.57	2.22	1981	1988
<i>25</i>	66	25517	66	-43.8	-32.5	-54.1			50	086	11.7	13.2	141.26	2.64	1981	1983
<i>20</i>	51	26984	51	-42.1	-34.1	-52.3			42	091	10.3	12.3	85.33	2.41	1983	1983
<i>15</i>	24	28896	24	-40.8	-33.1	-49.9			20	082	12.2	13.3	135.91	2.99	1981	1983
<i>10</i>	11	31545	11	-39.9	-34.3	-46.7			9	087	15.8	17.4			1984	1983
<i>7</i>	5	34143	5	-36.5	-29.5	-43.5			5	062	21.3	22.4			1984	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
340	556	497					140	100	1686	-73.4

NORMALS OF RADIOSONDE DATA

42101 PATIALA

JULY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	970	403	26.8	32.6	22.4	403	25.0	403	121	1.0	1.7	0.88	0.66	1987	1988
1000	372	-26											9.03			
950	371	426	371	27.0	37.6	22.2	370	23.9	355	121	2.4	5.0	9.03	1.00	1982	1989
900	371	907	371	25.8	36.8	16.6	371	21.0	355	150	2.2	6.0	8.53	1.32	1982	1989
850	371	1409	371	23.1	33.2	13.6	371	18.2	355	176	1.5	6.3	8.17	1.20	1982	1989
800	371	1936	371	20.0	29.4	12.0	371	15.4	353	227	0.5	6.2	7.98	1.12	1982	1989
750	371	2490	371	16.7	28.0	9.8	371	12.2	350	305	1.2	6.5	8.09	1.07	1990	1989
700	371	3076	371	13.1	23.0	6.6	368	8.3	347	327	1.5	6.1	9.20	1.03	1990	1982
650	366	3694	366	9.6	17.6	0.0	358	3.7	337	332	1.6	5.0	10.22	1.00	1988	1987
600	362	4357	362	5.9	14.2	-2.5	345	-1.0	329	318	1.4	5.6	12.69	1.05	1988	1982
550	361	5065	361	2.1	11.4	-7.9	334	-5.5	324	287	1.0	5.3	15.36	1.18	1990	1982
500	355	5830	355	-1.9	8.4	-12.9	305	-9.7	317	241	1.4	5.5	18.32	1.23	1989	1982
450	350	6661	349	-5.9	3.4	-14.3	273	-14.1	310	227	2.3	6.3	22.71	1.49	1988	1983
400	344	7577	344	-10.7	-1.5	-20.1	230	-19.4	307	240	3.2	7.4	27.41	1.70	1988	1982
350	342	8593	342	-16.5	-7.3	-29.5	194	-26.1	304	245	4.6	8.7	32.70	1.70	1988	1989
300	334	9739	334	-23.7	-13.9	-34.1	135	-32.4	299	246	5.3	9.2	39.33	1.83	1988	1982
250	325	11048	325	-32.9	-20.3	-44.1	89	-40.6	287	242	5.7	9.8	46.40	2.08	1989	1982
200	294	12584	294	-44.9	-30.9	-57.5	8	-48.0	257	243	5.6	10.7	56.55	1.99	1989	1981
175	267	13465	267	-51.8	-36.9	-64.1			235	249	4.7	10.5	69.71	2.09	1989	1982
150	234	14454	234	-59.0	-43.7	-71.1			203	260	3.2	10.6	82.17	1.95	1989	1982
125	186	15583	186	-66.1	-51.5	-77.5			163	004	1.7	10.2	83.05	1.74	1989	1982
100	147	16913	147	-72.0	-63.5	-81.0			132	051	5.5	10.4	95.57	2.33	1989	1978
80	122	18227	122	-70.4	-57.1	-82.0			110	069	10.1	12.5	120.66	3.78	1981	1978
70	110	19038	110	-66.9	-52.5	-77.5			99	076	12.1	13.8	132.92	4.37	1981	1990
60	96	19975	96	-62.3	-47.5	-78.0			87	083	13.0	14.2	141.64	3.61	1981	1978
50	80	21116	80	-57.1	-41.3	-65.5			71	084	13.5	14.7	166.00	3.75	1981	1979
40	67	22538	67	-52.5	-42.5	-62.1			59	079	14.1	15.2	186.94	2.93	1981	1984
30	56	24398	56	-48.0	-39.1	-59.9			51	087	16.4	17.4	193.02	3.27	1982	1984
25	49	25596	49	-45.8	-35.7	-58.9			42	087	17.1	18.0	190.23	2.54	1990	1984
20	39	27111	39	-43.4	-31.5	-57.1			31	085	16.1	17.7	205.00	2.44	1990	1984
15	22	28983	22	-42.7	-34.7	-55.3			13	094	15.8	20.8	316.81	3.36	1983	1984
10	12	31748	12	-39.8	-27.9	-52.5			7	091	18.9	19.9			1983	1984
7	2	33882	2	-43.1	-36.3	-49.9			2	079	25.3	25.5			1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

358 523 546

121 100 1696 -73.0

NORMALS OF RADIOSONDE DATA

42101 PATIALA

AUGUST 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	403	971	403	26.3	32.4	22.0	402	25.2	403	120	0.5	1.1	0.88	0.45	1981	1989
1000	372	-13											7.92			
950	372	439	372	26.7	34.2	21.4	372	24.2	368	118	1.1	3.6	9.06	0.62	1987	1985
900	372	919	372	25.3	32.4	18.2	372	21.5	368	168	0.7	4.6	8.55	1.01	1980	1985
850	372	1421	371	22.4	29.8	9.4	371	18.2	368	238	0.6	5.1	8.53	1.06	1988	1980
800	372	1947	372	19.3	27.0	11.0	372	15.0	365	304	1.1	5.3	10.00	1.26	1990	1979
750	372	2498	371	16.1	24.0	7.0	369	11.5	363	327	1.5	5.1	12.23	1.31	1990	1979
700	372	3084	372	12.8	20.6	3.2	369	7.4	365	333	1.4	5.1	13.67	1.30	1990	1982
650	365	3703	369	9.4	17.2	-1.1	365	2.7	359	347	1.4	5.0	16.74	1.41	1989	1982
600	368	4364	368	5.8	18.0	-5.1	350	-1.4	360	333	1.0	5.1	19.94	1.51	1984	1985
550	365	5072	364	2.0	10.4	-8.1	324	-5.2	353	262	0.3	4.7	23.53	1.45	1990	1982
500	358	5837	358	-1.9	6.2	-10.5	288	-9.6	344	205	1.1	4.9	27.63	1.30	1988	1985
450	351	6670	351	-6.1	2.0	-14.5	244	-14.9	339	215	2.0	5.9	30.81	1.34	1988	1979
400	347	7583	347	-11.1	-2.5	-19.1	199	-19.8	335	228	2.6	6.6	34.34	1.63	1988	1979
350	342	8599	342	-17.1	-7.1	-26.1	159	-25.9	330	237	3.6	7.1	39.59	1.75	1988	1979
300	338	9740	338	-24.6	-15.5	-34.1	123	-33.2	327	237	4.7	7.9	46.35	1.87	1988	1979
250	331	11046	331	-33.9	-24.5	-43.5	72	-41.1	321	239	5.4	9.0	57.53	2.18	1988	1979
200	311	12573	311	-45.9	-35.9	-56.9	8	-46.5	295	236	4.9	9.3	73.86	2.41	1988	1985
175	289	13448	289	-53.0	-42.9	-64.9			272	240	4.3	9.8	83.73	2.36	1988	1985
150	243	14428	243	-60.5	-50.3	-71.9			227	246	3.4	9.2	91.26	2.38	1988	1979
125	192	15548	192	-67.8	-57.3	-78.1			176	253	1.1	8.1	102.17	2.25	1987	1985
100	151	16862	151	-72.4	-63.1	-85.0			139	062	4.0	8.6	130.94	2.52	1981	1978
80	130	18177	130	-70.1	-54.9	-85.0			117	078	7.4	9.9	133.61	4.10	1985	1978
70	114	18970	114	-66.0	-51.3	-80.0			101	080	10.1	11.4	132.09	4.51	1985	1978
60	103	19911	103	-61.2	-45.9	-74.0	1	-54.5	95	089	10.4	11.4	130.94	4.19	1985	1978
50	99	21059	99	-56.3	-39.1	-67.0			89	088	11.5	12.3	143.18	3.26	1985	1978
40	82	22506	82	-52.2	-40.5	-62.1			71	083	12.5	13.1	159.39	4.04	1985	1982
30	69	24403	69	-47.8	-38.1	-56.5			59	086	15.7	16.2	178.68	3.39	1981	1982
25	52	25629	52	-46.0	-34.7	-55.3			42	088	16.9	17.3	177.81	3.20	1986	1990
20	38	27106	38	-43.7	-35.1	-50.1			28	095	18.2	18.9	181.54	2.13	1982	1982
15	22	29072	22	-41.7	-34.9	-46.3			7	088	23.8	24.1	244.72	2.28	1988	1984
10	8	31713	8	-39.8	-34.5	-42.3			3	084	39.9	40.0			1990	1990
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
359	525	545					134	104	1671	-73.8

NORMALS OF RADIOSONDE DATA

42101 PATIALA

SEPTEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	976	390	23.7	28.0	17.0	390	22.5	390	034	0.2	1.0	1.04	0.97	1978	1982
1000	375	28											9.99			
950	375	476	375	25.3	31.8	18.2	375	20.6	367	012	1.2	3.6	7.96	1.01	1987	1984
900	375	955	375	24.6	33.0	16.2	373	16.8	367	335	1.8	4.3	7.80	1.25	1990	1986
850	375	1455	375	21.5	31.0	13.2	365	13.4	367	322	2.4	5.1	7.34	1.27	1988	1985
800	375	1979	375	18.1	28.6	9.6	358	9.4	366	312	3.1	5.6	7.32	1.31	1988	1985
750	375	2528	375	14.4	25.6	6.4	357	4.6	365	311	3.4	5.8	7.58	1.40	1988	1985
700	375	3108	375	10.6	22.4	2.8	339	0.0	365	314	3.1	5.8	8.94	1.62	1988	1984
650	370	3720	370	6.5	18.2	-5.7	309	-4.1	361	311	2.7	5.9	10.55	1.78	1988	1980
600	366	4373	365	2.5	14.2	-5.7	271	-7.6	355	297	2.1	5.7	14.99	1.92	1988	1979
550	364	5071	362	-1.3	10.6	-9.9	222	-11.0	353	269	2.5	6.1	19.35	1.94	1988	1982
500	359	5827	357	-5.1	6.0	-19.1	159	-14.7	346	253	3.3	6.3	24.44	1.99	1988	1984
450	357	6648	357	-9.4	2.4	-20.7	115	-19.6	343	259	5.5	8.2	30.73	1.94	1990	1982
400	355	7552	355	-14.4	-2.3	-26.9	78	-25.1	340	262	7.6	9.8	35.25	2.06	1988	1982
350	351	8554	351	-20.4	-7.9	-33.5	60	-30.3	331	263	10.5	12.5	43.16	2.12	1988	1982
300	343	9681	343	-27.6	-14.3	-37.5	38	-35.9	323	264	12.7	14.3	51.74	2.25	1988	1981
250	338	10968	338	-36.7	-24.3	-46.7	17	-41.9	314	262	14.5	16.0	62.19	2.21	1988	1981
200	315	12478	315	-48.2	-37.1	-59.7			287	260	14.8	16.4	73.44	2.06	1988	1986
175	291	13350	291	-54.9	-43.5	-64.1			261	260	13.8	15.6	81.21	2.10	1988	1979
150	235	14308	235	-62.2	-49.3	-72.0			202	262	12.1	14.1	89.58	2.22	1988	1978
125	159	15411	158	-68.8	-55.1	-78.0			143	265	10.1	12.1	106.66	2.64	1988	1978
100	127	16718	127	-72.7	-63.1	-81.5			120	285	5.2	8.8	99.60	2.16	1982	1982
80	109	18031	109	-69.3	-55.5	-80.0			101	005	1.7	7.0	98.08	2.68	1981	1978
70	103	18829	103	-65.0	-52.1	-75.0			96	060	1.7	6.9	98.06	3.03	1981	1978
60	92	19780	92	-60.3	-48.1	-72.1			87	075	3.7	6.6	112.60	3.35	1981	1990
50	88	20924	88	-55.6	-42.1	-66.9			84	086	3.7	6.6	121.24	2.92	1981	1984
40	78	22356	78	-51.8	-40.7	-63.3			71	085	5.5	7.9	139.76	2.57	1985	1984
30	61	24229	61	-47.8	-34.7	-60.9			52	092	7.5	9.4	134.97	2.97	1985	1984
25	49	25406	49	-46.4	-29.5	-59.9			41	089	9.3	11.2	172.37	3.15	1985	1984
20	43	26864	43	-44.4	-34.9	-58.3			36	093	8.7	11.0	157.50	3.22	1985	1984
15	15	28746	15	-44.9	-38.9	-56.9			13	102	6.6	9.8			1990	1984
10	8	31477	8	-43.9	-39.5	-54.3			7	092	8.8	13.5			1984	1984
7	3	33752	3	-45.8	-41.1	-52.1			3	105	5.9	11.3			1984	1984

FREEZING LEVEL

N P ALT

362 565 488

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

120 107 1638 -73.3

NORMALS OF RADIOSONDE DATA

42101 PATIALA

OCTOBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	981	403	17.4	23.6	10.0	403	15.9	403	357	0.5	1.3	1.00	0.98	1983	1982
<i>1000</i>	380	79											9.53			
<i>950</i>	380	520	380	22.1	30.6	14.4	378	12.7	376	360	2.3	4.6	9.61	1.14	1981	1987
<i>900</i>	380	993	380	21.9	31.6	14.2	370	7.3	376	337	3.3	5.6	9.76	1.14	1989	1987
<i>850</i>	380	1487	380	18.7	28.8	11.4	337	3.2	376	320	3.7	5.7	9.72	0.97	1989	1989
<i>800</i>	380	2004	380	15.2	24.8	8.0	303	-0.4	376	311	4.2	5.9	9.94	0.97	1989	1990
<i>750</i>	380	2546	380	11.4	20.8	3.6	267	-4.5	375	311	4.3	6.3	9.88	0.99	1989	1986
<i>700</i>	380	3119	379	7.2	16.6	-1.1	223	-7.9	375	316	4.5	6.4	10.52	1.05	1989	1984
<i>650</i>	377	3724	377	3.0	11.6	-7.5	193	-11.5	373	312	4.2	6.4	11.22	0.98	1989	1984
<i>600</i>	377	4367	375	-1.2	6.6	-13.1	146	-14.8	373	304	4.5	6.9	12.32	0.84	1984	1984
<i>550</i>	375	5056	375	-5.4	4.4	-16.7	102	-18.8	372	292	5.0	7.5	13.12	0.81	1990	1984
<i>500</i>	372	5798	372	-10.0	0.2	-21.1	65	-22.4	368	284	7.2	9.2	14.35	0.82	1990	1984
<i>450</i>	371	6602	371	-15.0	-3.7	-23.9	35	-27.2	367	278	10.9	12.8	16.31	0.98	1990	1984
<i>400</i>	371	7485	371	-20.6	-8.3	-29.7	24	-32.5	366	276	14.1	16.4	17.37	1.41	1990	1979
<i>350</i>	365	8460	365	-27.0	-13.5	-37.1	18	-38.4	360	273	18.8	21.1	22.54	1.78	1990	1979
<i>300</i>	350	9559	360	-34.0	-20.9	-45.9	9	-43.0	352	271	23.1	25.3	26.40	2.12	1989	1982
<i>250</i>	356	10815	356	-41.9	-28.1	-54.9	1	-42.3	340	268	27.9	30.0	35.82	2.33	1989	1982
<i>200</i>	334	12298	334	-51.0	-38.5	-65.0			291	264	28.6	30.4	46.77	2.02	1990	1978
<i>175</i>	308	13165	308	-55.8	-41.7	-69.0			251	264	27.5	29.1	50.49	2.05	1990	1978
<i>150</i>	262	14135	262	-61.2	-51.7	-72.0			201	264	25.6	27.1	56.99	1.94	1989	1978
<i>125</i>	180	15250	180	-66.4	-53.7	-78.0			133	266	20.9	22.1	70.91	2.39	1987	1978
<i>100</i>	134	16564	134	-69.3	-56.1	-79.0			95	263	14.6	15.9	98.27	2.26	1982	1978
<i>80</i>	116	17896	116	-66.3	-51.3	-80.0			85	275	7.9	10.4	137.37	3.05	1982	1978
<i>70</i>	109	18712	109	-63.1	-49.1	-76.0			82	266	4.7	8.5	105.54	3.03	1982	1978
<i>60</i>	101	19664	101	-59.8	-46.1	-70.3			77	275	3.0	7.8	116.79	3.24	1982	1980
<i>50</i>	89	20807	89	-56.3	-43.7	-67.3			67	285	1.8	7.6	117.85	3.25	1982	1979
<i>40</i>	81	22240	81	-52.3	-40.1	-67.1			60	026	1.2	7.3	131.01	3.10	1985	1979
<i>30</i>	60	24115	60	-48.7	-37.1	-59.7			47	345	1.1	7.2	136.65	2.50	1985	1979
<i>25</i>	49	25309	49	-47.0	-38.1	-56.1			37	009	1.6	6.8	147.78	2.42	1985	1979
<i>20</i>	33	26754	33	-46.0	-39.5	-54.3			28	040	2.6	7.5	181.33	2.06	1979	1979
<i>15</i>	16	28576	16	-46.3	-42.9	-52.1			14	350	1.2	9.0			1982	1979
<i>10</i>	10	31321	10	-43.5	-40.5	-47.3			9	307	1.1	9.0			1982	1984
<i>7</i>	2	33553	2	-43.7	-43.3	-44.1			2	254	16.6	17.5			1984	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

376	614	421	15	206	1200	-57.1	119	108	1617	-70.3
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NORMALS OF RADIOSONDE DATA

42101 PATIALA

NOVEMBER 1977-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	401	985	401	12.1	20.0	5.0	401	10.8	401	333	0.8	1.4	0.89	1.06	1978	1978
<i>1000</i>	366	116											8.00			
<i>950</i>	366	550	366	18.3	28.0	9.6	365	6.9	364	345	3.5	4.7	8.00	1.38	1979	1984
<i>900</i>	366	1015	365	17.6	29.0	9.8	332	1.7	364	334	4.2	5.8	7.16	1.24	1990	1986
<i>850</i>	366	1502	366	14.8	26.8	6.0	291	-2.2	366	319	3.9	5.7	8.30	1.33	1990	1977
<i>800</i>	366	2012	366	11.4	24.2	-6.0	251	-5.0	366	314	3.8	5.8	9.08	1.53	1990	1978
<i>750</i>	366	2547	366	8.0	20.8	-2.7	218	-7.9	366	310	3.9	6.2	9.72	1.18	1990	1981
<i>700</i>	366	3113	366	4.4	16.0	-5.0	179	-10.5	366	301	4.1	6.7	11.29	1.08	1990	1978
<i>650</i>	363	3712	363	0.7	11.6	-8.0	138	-13.5	363	293	4.8	7.2	13.49	1.09	1980	1978
<i>600</i>	361	4350	361	-3.3	7.6	-12.0	117	-16.6	361	284	6.3	8.4	14.68	1.07	1980	1977
<i>550</i>	360	5033	360	-7.6	3.6	-17.0	93	-20.3	360	281	8.5	10.3	16.54	1.09	1980	1978
<i>500</i>	357	5768	357	-12.5	-1.1	-22.0	69	-23.3	357	277	11.7	13.5	18.73	1.01	1982	1978
<i>450</i>	355	6565	354	-17.9	-6.1	-26.7	57	-28.1	351	277	15.5	17.2	20.20	0.95	1981	1982
<i>400</i>	350	7437	349	-23.9	-10.7	-32.7	52	-34.4	341	276	19.7	21.5	23.08	0.98	1981	1982
<i>350</i>	348	8398	348	-30.5	-17.1	-40.1	40	-39.4	334	275	24.6	26.6	26.66	1.16	1981	1982
<i>300</i>	343	9480	343	-37.9	-23.7	-48.3	13	-44.0	312	274	28.7	31.1	30.26	1.40	1990	1982
<i>250</i>	329	10715	329	-46.0	-30.5	-57.1	2	-45.0	275	273	34.3	36.9	36.80	1.56	1989	1982
<i>200</i>	300	12169	300	-53.7	-39.7	-63.5			207	272	34.7	37.4	43.70	1.53	1989	1981
<i>175</i>	261	13020	261	-57.5	-45.5	-68.0			163	269	35.1	37.4	45.65	1.96	1989	1977
<i>150</i>	218	13983	217	-60.9	-51.7	-74.0			121	271	30.7	32.7	50.74	2.73	1989	1977
<i>125</i>	156	15095	156	-64.5	-53.5	-80.0			93	273	27.3	28.7	65.82	3.24	1989	1977
<i>100</i>	131	16447	131	-66.9	-51.1	-78.0			82	273	22.0	23.2	81.21	3.05	1989	1978
<i>80</i>	110	17798	110	-66.5	-51.7	-77.0			67	278	13.7	16.8	119.89	3.64	1988	1978
<i>70</i>	101	18610	101	-64.3	-47.1	-75.0			61	281	9.6	12.8	136.94	2.76	1988	1978
<i>60</i>	96	19571	96	-61.6	-45.9	-70.9			60	292	6.4	9.3	129.56	3.00	1988	1984
<i>50</i>	87	20693	87	-57.8	-47.7	-69.0			55	284	5.1	9.2	112.27	3.53	1981	1977
<i>40</i>	74	22126	74	-53.9	-44.1	-67.0			46	294	3.4	8.3	144.04	4.48	1983	1977
<i>30</i>	55	23978	55	-50.1	-40.7	-62.5			32	283	4.4	9.8	161.27	4.25	1983	1984
<i>25</i>	36	25153	36	-49.0	-37.7	-60.9			17	267	5.3	9.1	175.53	4.12	1983	1984
<i>20</i>	23	26577	23	-47.4	-41.7	-59.7			13	262	4.6	7.6	184.22	4.02	1981	1988
<i>15</i>	12	28506	12	-43.7	-37.9	-55.7			7	277	5.9	12.1			1981	1984
<i>10</i>	7	31147	7	-42.0	-35.9	-51.5			5	313	4.6	14.0			1980	1984
<i>7</i>	3	33576	3	-41.7	-38.5	-47.9			2	280	8.2	24.0			1983	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
362	641	383	51	197	1228	-58.6	108	108	1613	-68.5

NORMALS OF RADIOSONDE DATA

42101 PATIALA

DECEMBER 1977-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	434	987	434	8.3	18.0	3.0	434	7.1	434	330	1.1	1.7	1.16	1.04	1985	1978
<i>1000</i>	413	138											9.80			
<i>950</i>	413	563	413	14.2	25.6	5.2	409	4.1	410	340	3.8	5.1	13.64	1.00	1990	1989
<i>900</i>	413	1024	413	13.6	25.6	4.6	381	-1.0	410	329	4.2	6.0	10.51	1.50	1990	1989
<i>850</i>	413	1503	413	11.1	24.2	-2.0	308	-3.8	410	317	3.4	5.9	11.90	1.68	1982	1977
<i>800</i>	413	2007	413	8.4	20.0	-1.1	259	-7.0	409	304	2.7	5.8	13.76	1.87	1982	1986
<i>750</i>	413	2536	413	5.4	17.6	-3.9	211	-9.6	409	291	2.9	6.1	17.03	2.03	1990	1982
<i>700</i>	413	3098	413	2.1	13.4	-7.1	180	-12.0	408	277	3.4	6.5	19.29	2.15	1990	1981
<i>650</i>	408	3692	407	-1.5	9.2	-15.0	165	-15.1	403	265	4.8	7.6	23.07	2.26	1990	1977
<i>600</i>	404	4326	403	-5.6	5.0	-17.0	147	-18.2	396	267	7.1	9.6	27.18	2.16	1990	1977
<i>550</i>	400	5001	400	-10.1	2.8	-19.0	139	-22.1	394	269	9.7	11.9	32.27	2.06	1987	1977
<i>500</i>	397	5731	397	-15.1	-2.1	-24.7	126	-26.4	389	269	12.8	14.9	35.86	1.92	1987	1981
<i>450</i>	391	6520	391	-20.5	-7.5	-32.7	124	-30.9	383	269	16.7	18.5	40.49	1.84	1987	1981
<i>400</i>	390	7382	390	-26.6	-14.7	-37.9	110	-35.9	380	271	21.5	23.3	45.14	1.70	1987	1981
<i>350</i>	382	8333	382	-33.4	-22.1	-43.7	85	-41.4	366	269	25.6	27.7	48.97	1.61	1987	1981
<i>300</i>	376	9399	376	-41.1	-29.3	-50.1	19	-44.6	340	268	30.4	32.6	52.82	1.46	1987	1983
<i>250</i>	363	10616	363	-49.0	-36.3	-59.9	1	-44.7	305	267	35.7	38.1	59.32	1.52	1989	1986
<i>200</i>	334	12059	334	-55.5	-45.1	-67.0			233	266	39.5	41.9	64.68	1.78	1989	1977
<i>175</i>	299	12907	299	-58.0	-46.9	-70.0			185	265	37.5	39.6	71.01	1.85	1988	1977
<i>150</i>	250	13866	250	-60.3	-49.3	-73.1			138	266	35.4	36.9	66.72	2.17	1988	1987
<i>125</i>	196	14994	196	-63.0	-52.5	-77.7			101	264	30.3	31.3	64.52	2.47	1988	1987
<i>100</i>	168	16357	168	-65.3	-52.1	-77.7			83	267	24.4	25.3	77.62	2.93	1984	1987
<i>80</i>	143	17724	143	-65.6	-51.1	-78.5			65	272	16.3	17.2	64.96	2.96	1984	1987
<i>70</i>	130	18538	130	-64.9	-52.5	-79.5			55	273	14.5	16.2	68.49	3.76	1984	1987
<i>60</i>	118	19488	118	-62.7	-51.1	-76.1			49	275	10.7	12.4	87.11	3.48	1983	1982
<i>50</i>	109	20625	109	-59.4	-46.5	-72.0			42	276	10.9	12.9	102.06	2.83	1980	1978
<i>40</i>	98	22032	98	-56.5	-46.7	-68.7			37	272	9.3	12.8	128.75	3.74	1985	1982
<i>30</i>	72	23864	72	-52.7	-40.1	-66.1			24	285	8.7	12.1	167.11	3.65	1980	1982
<i>25</i>	49	25033	49	-51.5	-41.7	-64.1			10	287	11.0	13.6	177.55	2.91	1988	1982
<i>20</i>	34	26502	34	-49.0	-40.9	-61.3			7	268	11.9	13.3	209.75	3.09	1980	1982
<i>15</i>	14	28432	14	-46.4	-41.9	-57.5			3	253	9.6	12.0			1984	1982
<i>10</i>	4	31036	4	-46.2	-39.9	-52.1									1984	1982
<i>7</i>	2	33839	2	-44.5	-38.5	-50.5									1984	1986

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

412 672 344

121 207 1186 -58.0

125 101 1652 -67.4

NORMALS OF RADIOSONDE DATA

42492 PATNA

JANUARY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	1010	217	10.4	17.0	4.6	217	9.4	217	285	0.4	0.7	0.93	0.83	1987	1989
<i>1000</i>	203	140	203	12.2	18.2	6.4	202	8.7	194	302	1.1	2.4	6.57	0.64	1988	1989
<i>950</i>	203	553	203	14.6	23.2	6.4	200	4.9	193	300	2.9	4.7	19.52	0.70	1990	1984
<i>900</i>	203	1031	202	12.6	20.4	3.0	180	0.1	193	298	4.3	5.7	7.29	1.06	1990	1984
<i>850</i>	203	1510	203	11.1	18.2	0.2	142	-3.1	193	294	6.2	7.6	7.77	1.29	1990	1984
<i>800</i>	203	2015	203	9.4	17.0	1.0	111	-6.6	193	297	8.0	9.5	9.60	1.69	1990	1984
<i>750</i>	203	2549	203	7.3	17.2	-0.3	86	-8.9	193	298	10.6	11.8	12.11	1.90	1990	1984
<i>700</i>	203	3114	203	4.8	16.2	-4.1	64	-11.3	193	298	12.4	13.6	15.24	2.02	1990	1984
<i>650</i>	202	3714	202	1.6	14.0	-8.1	47	-14.0	180	298	14.4	15.4	22.17	2.10	1990	1984
<i>600</i>	201	4354	201	-1.9	9.0	-10.7	41	-16.6	173	294	16.4	18.1	23.88	2.08	1990	1985
<i>550</i>	199	5050	199	-5.9	3.4	-15.1	38	-21.6	163	290	20.4	21.7	36.38	2.03	1990	1985
<i>500</i>	197	5782	197	-10.2	-1.1	-24.9	31	-24.6	155	289	23.7	25.1	33.41	2.28	1990	1985
<i>450</i>	193	6599	193	-15.0	-4.9	-24.5	22	-29.2	135	286	29.5	31.2	48.42	2.49	1989	1989
<i>400</i>	192	7471	192	-20.3	-9.1	-31.5	14	-33.9	114	284	33.8	35.6	47.58	2.49	1989	1989
<i>350</i>	188	8449	188	-25.8	-15.3	-36.3	11	-38.6	89	281	38.7	40.4	50.63	2.53	1989	1989
<i>300</i>	182	9557	182	-32.4	-22.7	-42.3	4	-41.8	64	278	42.3	44.4	65.23	2.51	1989	1985
<i>250</i>	172	10824	172	-40.6	-31.1	-52.5			35	275	37.0	38.7	76.87	2.32	1990	1985
<i>200</i>	166	12320	166	-50.1	-40.9	-58.3			18	278	33.0	34.8	87.44	1.91	1990	1988
<i>175</i>	157	13182	157	-55.8	-46.1	-65.1			9	281	30.8	33.3	100.84	1.75	1988	1984
<i>150</i>	150	14153	150	-61.4	-52.1	-70.1			4	263	36.4	38.8	104.48	1.75	1990	1984
<i>125</i>	144	15272	144	-66.6	-56.7	-75.7			2	252	30.9	31.0	114.11	1.40	1987	1989
<i>100</i>	136	16606	136	-71.2	-61.9	-79.1			2	249	29.0	29.5	123.62	1.14	1987	1989
<i>80</i>	130	17930	130	-70.7	-58.5	-79.9			1	254	14.0	14.0	129.83	1.61	1990	1988
<i>70</i>	128	18726	128	-68.3	-55.5	-78.9			1	272	15.0	15.0	128.60	1.91	1990	1988
<i>60</i>	125	19657	125	-64.1	-50.1	-77.7							128.87	3.04	1989	1988
<i>50</i>	115	20786	115	-58.7	-43.1	-73.3							140.59	3.32	1989	1988
<i>40</i>	106	22195	106	-54.1	-43.1	-68.1							154.41	3.26	1989	1988
<i>30</i>	91	24040	91	-50.2	-39.9	-60.9							166.47	2.38	1986	1987
<i>25</i>	72	25210	72	-48.3	-35.9	-60.1							168.09	2.47	1986	1987
<i>20</i>	45	26661	45	-47.2	-37.3	-56.1							206.75	3.40	1986	1984
<i>15</i>	16	28506	16	-46.7	-40.7	-52.9									1988	1984
<i>10</i>	6	31148	6	-45.6	-38.7	-51.5									1989	1984
<i>7</i>	2	33138	2	-48.5	-46.9	-50.1									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

203	629	400															
				8	196	1245	-57.8							132	102	1653	-72.2

NORMALS OF RADIOSONDE DATA

42492 PATNA

FEBRUARY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	198	1008	198	12.9	19.4	7.0	198	11.2	198	281	0.7	1.5	2.24	1.12	1988	1989
1000	181	122	181	14.2	20.6	7.8	180	9.7	176	291	1.2	2.8	16.35	1.32	1987	1984
950	180	544	180	17.0	26.6	8.0	174	3.2	174	299	3.1	5.5	18.45	1.10	1986	1984
900	180	1020	180	14.7	22.4	8.0	166	-0.6	175	297	4.4	6.5	18.16	0.86	1986	1985
850	180	1501	180	12.4	20.0	4.4	137	-2.4	176	292	6.9	8.2	19.81	1.06	1989	1985
800	180	2008	180	9.9	17.2	1.2	108	-4.3	175	293	9.3	10.3	21.52	1.07	1986	1985
750	180	2538	180	7.1	14.6	-0.5	96	-6.7	175	293	11.3	12.3	22.22	1.03	1988	1985
700	180	3106	180	4.2	11.2	-3.5	82	-9.4	175	293	12.9	13.8	24.88	0.72	1988	1989
650	179	3703	179	0.9	8.6	-6.5	74	-12.6	174	293	14.3	15.4	22.77	0.69	1985	1989
600	179	4345	179	-2.7	7.0	-10.7	56	-14.6	166	290	17.1	18.0	24.12	0.72	1985	1985
550	177	5040	177	-6.7	3.2	-14.1	43	-17.7	160	287	20.2	21.3	25.45	0.98	1985	1989
500	176	5768	176	-11.2	-3.1	-18.9	42	-23.3	157	285	23.3	24.6	21.65	1.05	1985	1989
450	175	6579	175	-16.0	-7.3	-22.9	31	-25.8	134	283	27.7	29.3	22.62	1.36	1985	1990
400	174	7448	174	-21.4	-11.1	-29.7	28	-31.1	124	280	32.3	34.4	18.97	1.76	1985	1990
350	168	8421	168	-27.4	-15.7	-37.3	17	-35.8	97	277	38.5	41.1	19.13	1.86	1985	1988
300	162	9519	162	-33.7	-23.3	-44.5	5	-41.7	63	275	41.7	43.9	21.92	1.90	1985	1986
250	159	10778	159	-41.2	-32.1	-52.3	1	-53.9	36	274	42.4	44.5	29.28	1.65	1985	1986
200	156	12270	156	-49.4	-37.9	-64.1			17	279	36.3	41.9	36.69	1.69	1990	1988
175	154	13136	154	-54.0	-38.5	-64.9			11	277	31.7	37.3	42.39	2.15	1990	1984
150	152	14116	152	-59.1	-46.7	-70.5			5	285	25.8	29.0	48.14	2.48	1988	1988
125	146	15244	146	-64.6	-53.9	-77.3			2	282	26.6	27.0	52.92	2.74	1988	1985
100	143	16597	143	-69.1	-59.9	-81.7			2	283	21.4	21.5	59.74	2.40	1990	1988
80	136	17929	136	-69.8	-59.9	-82.1			1	352	26.0	26.0	67.33	2.00	1990	1988
70	132	18728	132	-67.6	-57.9	-79.5			1	017	34.0	34.0	71.07	2.33	1990	1985
60	125	19672	125	-63.9	-52.1	-77.7			1	044	31.0	31.0	83.10	2.85	1989	1988
50	113	20803	113	-58.3	-49.5	-77.3			1	076	27.0	27.0	98.42	3.04	1989	1985
40	105	22222	105	-54.0	-44.9	-72.5			1	044	22.0	22.0	103.61	3.09	1984	1985
30	94	24085	94	-49.7	-41.9	-66.5			1	031	24.0	24.0	116.20	2.64	1984	1985
25	82	25268	81	-47.5	-37.9	-62.5			1	051	19.0	19.0	130.02	2.82	1985	1985
20	57	26749	57	-45.9	-36.1	-60.1							156.70	2.56	1985	1985
15	27	28638	27	-44.0	-36.3	-57.1							220.74	3.74	1984	1985
10	6	31083	6	-45.3	-41.5	-52.5									1985	1985
7	1	33597	1	-39.7	-39.7	-39.7									1987	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
179	638	387	35	216	1187	-52.8	135	095	1692	-71.0

NORMALS OF RADIOSONDE DATA

42492 PATNA

MARCH 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	1004	217	17.6	24.0	10.0	217	13.8	217	280	0.8	1.9	1.93	0.74	1985	1990
1000	196	90	183	18.2	25.2	11.2	183	12.6	178	284	1.1	2.4	17.42	0.71	1988	1990
950	196	523	196	22.6	32.6	12.4	187	5.8	191	294	3.3	5.7	12.61	1.72	1985	1990
900	196	1003	196	20.1	28.4	8.4	173	2.6	191	294	5.4	7.5	13.74	1.66	1985	1990
850	196	1494	196	16.9	24.8	6.4	152	-0.6	191	296	7.8	8.9	12.76	1.53	1985	1990
800	196	2008	196	13.7	21.6	5.6	134	-3.1	191	294	10.3	11.1	11.07	1.51	1985	1990
750	196	2542	196	10.3	18.4	2.4	119	-5.6	190	294	12.3	13.1	7.18	1.68	1985	1990
700	196	3118	196	6.8	16.6	-1.5	100	-9.2	189	296	14.0	14.9	9.80	1.82	1985	1990
650	196	3717	196	3.3	14.0	-5.3	82	-11.5	188	295	15.3	16.3	9.81	1.87	1985	1990
600	196	4367	196	-0.6	10.2	-7.3	62	-14.7	180	293	15.5	16.5	14.34	1.68	1985	1984
550	195	5061	195	-4.7	6.0	-11.1	48	-18.4	179	290	16.9	18.0	18.13	1.56	1985	1984
500	195	5801	195	-9.4	1.2	-16.5	37	-23.0	174	288	19.0	20.2	21.18	1.52	1988	1986
450	195	6609	195	-14.5	-2.1	-24.5	25	-25.4	168	286	21.5	23.0	25.11	1.48	1988	1990
400	194	7488	194	-20.3	-8.1	-30.3	25	-32.1	158	282	24.6	26.7	28.96	1.35	1990	1990
350	193	8464	193	-26.5	-14.5	-38.5	17	-38.8	137	282	27.1	29.9	31.42	1.40	1990	1990
300	190	9565	190	-33.5	-22.1	-47.1	6	-45.4	120	281	31.7	35.8	35.86	1.40	1988	1990
250	187	10825	187	-41.4	-28.1	-52.3			93	276	36.3	40.2	35.30	1.56	1987	1990
200	179	12314	179	-49.6	-39.9	-61.5			69	275	33.3	35.7	37.53	1.33	1990	1987
175	170	13177	170	-54.0	-44.5	-68.9			53	276	31.3	32.8	40.49	1.42	1988	1990
150	165	14154	165	-58.5	-48.3	-71.5			42	271	25.7	27.2	41.57	1.76	1990	1987
125	158	15285	158	-63.4	-51.9	-75.9			31	272	21.7	23.0	50.06	1.69	1990	1986
100	153	16643	153	-68.0	-53.9	-78.1			27	271	14.5	16.3	60.66	0.91	1990	1984
80	145	17981	145	-69.1	-54.3	-80.5			21	273	9.5	11.4	63.19	1.89	1990	1984
70	142	18783	142	-68.2	-53.3	-79.7			19	274	3.5	9.1	63.57	2.50	1990	1987
60	136	19718	136	-64.6	-50.1	-76.3			18	280	3.3	9.9	72.25	3.11	1986	1984
50	131	20844	131	-59.5	-45.7	-71.7			18	295	3.2	9.8	77.06	3.34	1986	1984
40	117	22260	117	-54.6	-42.1	-64.9			16	290	5.5	9.6	90.12	2.05	1984	1984
30	108	24120	108	-49.5	-34.7	-60.1			14	257	7.9	12.7	109.11	1.05	1984	1987
25	98	25310	98	-46.9	-31.1	-59.1			10	268	6.7	11.2	110.13	1.06	1984	1987
20	81	26758	81	-44.6	-38.1	-57.9			3	281	16.9	17.0	123.70	1.39	1987	1987
15	49	28651	49	-43.0	-34.3	-54.7							191.57	1.47	1987	1987
10	19	31388	19	-40.8	-33.5	-51.5									1986	1987
7	8	33711	8	-41.4	-35.7	-49.5									1985	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

195	608	427		41	201	1230	-55.8		149	095	1700	-70.3
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NORMALS OF RADIOSONDE DATA

42492 PATNA

APRIL 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	210	1000	210	23.0	29.4	16.0	210	15.7	210	063	0.3	2.9	1.00	0.73	1988	1989
<i>1000</i>	193	51	92	22.4	29.4	16.0	92	14.3	90	329	0.4	3.5	8.72	1.06	1988	1989
<i>950</i>	193	490	193	26.7	34.6	15.0	177	8.8	187	296	2.7	7.3	16.06	0.85	1984	1986
<i>900</i>	193	980	193	25.0	32.8	12.0	168	4.4	188	291	5.5	8.7	8.31	0.50	1990	1986
<i>850</i>	193	1478	193	21.8	29.8	9.0	161	1.6	188	295	7.7	9.9	6.98	0.54	1985	1986
<i>800</i>	193	2000	193	18.0	26.4	5.4	161	-1.3	188	295	9.6	11.0	7.35	0.60	1985	1986
<i>750</i>	193	2538	193	13.9	23.4	3.0	152	-3.6	187	294	11.7	12.5	15.01	0.64	1985	1986
<i>700</i>	193	3124	193	9.7	20.2	0.4	150	-6.8	187	291	13.8	14.8	7.43	0.67	1985	1986
<i>650</i>	192	3726	192	5.4	15.8	-1.7	139	-9.8	178	292	14.7	15.8	16.31	0.93	1985	1990
<i>600</i>	189	4381	189	1.0	10.0	-5.7	115	-13.4	155	291	15.4	16.4	9.75	1.17	1987	1990
<i>550</i>	186	5086	186	-3.3	5.0	-11.5	82	-16.9	131	289	16.0	17.5	12.67	1.07	1987	1986
<i>500</i>	185	5824	185	-7.9	0.0	-16.7	58	-20.8	130	287	16.7	18.6	14.48	1.02	1987	1990
<i>450</i>	184	6645	184	-13.0	-4.9	-23.9	39	-24.9	109	282	18.8	20.9	20.74	0.87	1989	1990
<i>400</i>	184	7526	184	-18.7	-9.3	-30.3	30	-29.8	101	280	21.7	24.1	19.19	0.85	1989	1990
<i>350</i>	180	8514	180	-24.9	-11.7	-37.3	17	-34.8	79	277	25.4	28.9	16.30	1.08	1989	1990
<i>300</i>	176	9618	176	-31.9	-22.3	-43.1	11	-41.5	62	274	29.0	32.4	24.48	1.91	1984	1986
<i>250</i>	172	10886	172	-39.5	-29.5	-51.5			48	264	29.7	32.4	32.20	2.69	1984	1987
<i>200</i>	165	12396	165	-48.4	-38.5	-62.1			37	260	29.7	32.2	53.86	2.36	1987	1987
<i>175</i>	164	13266	164	-53.3	-41.1	-64.3			28	256	23.1	25.9	61.78	1.60	1990	1987
<i>150</i>	157	14247	157	-58.7	-46.7	-71.1			25	253	21.9	22.9	67.44	1.49	1990	1986
<i>125</i>	150	15378	150	-64.8	-51.7	-76.1			23	255	12.8	14.2	72.13	2.06	1990	1986
<i>100</i>	145	16717	145	-70.1	-57.5	-81.7			23	246	7.5	9.6	75.97	2.21	1990	1987
<i>80</i>	132	18043	132	-70.0	-56.1	-80.1			19	200	3.1	8.3	83.80	2.84	1987	1985
<i>70</i>	127	18834	127	-67.6	-55.5	-78.5			19	161	1.8	8.4	84.05	2.64	1987	1985
<i>60</i>	120	19772	120	-62.8	-48.1	-74.1			18	134	5.0	7.4	75.36	2.29	1986	1988
<i>50</i>	113	20906	113	-56.8	-43.1	-66.3			17	131	3.0	6.0	80.96	2.37	1986	1986
<i>40</i>	107	22326	107	-51.4	-39.5	-63.1			15	095	4.6	7.6	90.60	2.33	1986	1985
<i>30</i>	95	24203	95	-46.2	-35.5	-54.9			14	087	5.2	9.0	107.63	1.72	1986	1985
<i>25</i>	88	25404	88	-43.7	-35.5	-52.7			12	092	4.9	7.5	130.20	1.80	1987	1985
<i>20</i>	70	26904	70	-41.7	-35.3	-50.1			5	114	4.6	6.4	143.15	1.74	1984	1985
<i>15</i>	41	28851	41	-39.2	-31.5	-48.9			1	106	6.0	6.0	164.92	1.91	1990	1985
<i>10</i>	12	31488	12	-39.0	-33.1	-46.5									1984	1988
<i>7</i>	3	33880	3	-37.4	-31.1	-44.9									1988	1985

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
186	587	455	14	212	1193	-51.5	130	097	1695	-72.0

NORMALS OF RADIOSONDE DATA

42492 PATNA

MAY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	997	217	25.8	30.4	20.0	217	21.2	217	087	2.5	3.3	1.89	0.69	1989	1986
<i>1000</i>	206	29	41	24.4	28.0	19.8	41	19.9	41	087	2.9	3.4	16.33	0.89	1990	1987
<i>950</i>	206	470	206	26.6	34.8	19.4	197	17.3	203	107	3.5	6.7	20.56	0.69	1985	1985
<i>900</i>	206	958	206	25.6	36.4	18.0	195	13.1	203	166	1.6	7.1	17.82	0.81	1985	1987
<i>850</i>	206	1460	206	22.9	31.8	14.6	192	9.1	203	276	2.9	7.1	16.41	0.90	1985	1987
<i>800</i>	206	1984	206	19.5	27.2	11.4	190	5.9	203	292	4.9	8.2	15.15	1.01	1985	1987
<i>750</i>	206	2531	206	15.7	23.2	8.2	188	2.2	201	299	7.8	10.0	16.04	1.06	1984	1987
<i>700</i>	206	3118	206	11.5	18.8	5.0	179	-1.7	201	302	10.2	12.0	11.55	1.05	1985	1987
<i>650</i>	204	3728	204	7.4	14.4	0.0	164	-5.8	191	303	11.6	13.2	17.46	1.17	1985	1989
<i>600</i>	204	4388	204	3.2	10.4	-5.1	147	-9.9	182	301	11.8	13.1	10.43	1.36	1985	1989
<i>550</i>	204	5102	204	-0.5	7.6	-8.1	107	-13.1	182	299	11.0	12.7	17.94	1.53	1984	1986
<i>500</i>	204	5844	204	-4.5	3.2	-12.5	73	-16.5	183	297	10.5	12.6	15.53	1.70	1984	1986
<i>450</i>	203	6679	203	-9.1	-0.5	-19.1	59	-20.9	169	290	10.9	13.1	26.31	1.85	1985	1986
<i>400</i>	203	7569	203	-14.4	-4.5	-24.9	48	-26.2	162	284	12.5	14.5	25.77	2.07	1985	1986
<i>350</i>	203	8575	203	-20.4	-6.5	-32.1	26	-32.1	143	283	14.4	16.7	28.46	2.48	1988	1986
<i>300</i>	201	9697	201	-27.5	-17.5	-38.7	14	-38.2	136	277	16.0	18.9	44.60	2.43	1990	1985
<i>250</i>	197	10987	197	-36.0	-26.9	-48.1	6	-45.7	119	277	18.0	20.7	59.07	2.73	1985	1985
<i>200</i>	196	12506	196	-46.5	-38.1	-56.9			105	273	16.3	18.9	74.93	2.24	1985	1987
<i>175</i>	189	13380	189	-52.5	-43.5	-63.3			91	268	13.8	16.9	82.43	1.86	1990	1987
<i>150</i>	188	14362	188	-59.1	-51.3	-69.5			82	275	10.5	14.5	89.38	1.69	1990	1985
<i>125</i>	178	15486	178	-65.7	-52.1	-76.1			72	276	6.8	11.7	100.18	2.09	1986	1986
<i>100</i>	170	16823	170	-71.4	-57.7	-80.1			67	277	1.2	9.1	105.76	2.01	1990	1984
<i>80</i>	164	18137	164	-71.3	-60.1	-79.3			60	086	5.0	9.4	104.06	1.29	1985	1984
<i>70</i>	160	18924	160	-67.9	-55.3	-81.1			60	098	6.1	8.8	102.08	1.46	1986	1989
<i>60</i>	157	19796	157	-62.4	-52.1	-74.5			59	097	7.0	8.7	206.53	1.64	1988	1988
<i>50</i>	153	20999	153	-56.5	-42.5	-69.5			54	104	7.7	9.0	89.20	1.16	1986	1988
<i>40</i>	150	22427	150	-51.1	-36.5	-66.7			45	097	9.7	10.8	89.24	1.01	1986	1988
<i>30</i>	135	24305	135	-45.0	-38.1	-58.7			35	101	10.8	11.5	102.07	0.91	1986	1988
<i>25</i>	121	25500	121	-43.5	-36.1	-52.5			31	102	10.3	11.2	90.61	1.01	1984	1989
<i>20</i>	96	27024	96	-40.9	-32.3	-50.5			19	116	9.0	10.0	87.91	0.90	1984	1988
<i>15</i>	57	28963	56	-38.7	-32.1	-50.1			3	074	15.8	16.0	129.27	1.95	1985	1988
<i>10</i>	18	31630	18	-37.3	-30.7	-42.1									1988	1989
<i>7</i>	6	34118	6	-36.3	-30.7	-40.1									1984	1986

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

204	555	501		5	209	1233	-50.5		165	093	1724	-73.5
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NORMALS OF RADIOSONDE DATA

42492 PATNA

JUNE 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	210	993	210	27.6	31.0	18.6	210	24.8	210	088	2.5	3.0	1.56	0.60	1984	1988
<i>1000</i>	163	-6	1	26.5	26.6	26.6	1	22.0	1	091	5.0	5.0	12.74		1989	1989
<i>950</i>	163	434	163	26.5	34.2	20.0	161	21.7	142	098	3.2	6.0	19.54	1.34	1985	1988
<i>900</i>	163	923	163	24.6	32.2	18.2	160	18.4	142	119	1.9	6.6	17.14	1.53	1985	1984
<i>850</i>	163	1424	163	22.1	28.8	16.4	158	15.5	141	048	0.4	7.4	18.90	1.56	1985	1984
<i>800</i>	163	1948	163	19.1	24.6	13.4	159	12.7	141	351	1.3	8.1	19.48	1.33	1985	1984
<i>750</i>	163	2501	163	15.8	21.8	9.8	159	9.2	141	331	2.3	8.1	21.72	1.02	1984	1984
<i>700</i>	163	3085	163	12.5	17.8	6.0	160	5.2	138	321	2.9	8.7	21.64	0.90	1984	1984
<i>650</i>	161	3705	161	9.0	14.0	0.4	149	1.6	120	338	3.8	9.3	26.01	1.07	1989	1985
<i>600</i>	161	4361	161	5.8	11.0	-0.9	140	-2.9	110	332	2.9	8.3	25.42	1.05	1989	1984
<i>550</i>	161	5088	161	2.3	7.2	-4.1	132	-6.3	108	333	1.7	8.3	32.98	0.93	1987	1986
<i>500</i>	159	5834	159	-1.5	3.4	-9.1	122	-10.1	105	304	0.9	8.1	28.11	0.81	1987	1986
<i>450</i>	156	6684	156	-5.4	4.6	-13.1	107	-14.1	98	339	0.3	7.4	36.23	0.83	1988	1986
<i>400</i>	155	7586	155	-10.1	-1.5	-17.5	90	-19.6	94	214	0.5	7.3	32.36	0.72	1988	1988
<i>350</i>	153	8608	153	-16.0	-10.1	-24.1	64	-25.4	84	206	1.1	7.8	32.96	0.69	1984	1986
<i>300</i>	151	9756	151	-23.3	-16.9	-33.1	45	-32.9	79	191	1.8	7.5	37.63	0.99	1984	1986
<i>250</i>	147	11067	147	-32.6	-22.5	-42.5	21	-40.9	71	156	2.1	7.2	40.36	1.20	1989	1986
<i>200</i>	142	12500	142	-44.7	-37.5	-54.5			60	148	2.2	8.4	45.56	1.24	1989	1986
<i>175</i>	135	13475	135	-52.1	-45.3	-69.1			55	119	3.2	8.3	48.51	1.36	1989	1985
<i>150</i>	131	14455	131	-59.9	-52.1	-71.5			53	107	4.1	9.8	55.39	1.56	1988	1985
<i>125</i>	124	15570	124	-67.8	-59.1	-78.5			51	101	6.8	11.3	60.69	1.45	1985	1988
<i>100</i>	118	16891	118	-73.2	-63.1	-80.1			47	083	11.0	13.9	70.68	1.72	1989	1986
<i>80</i>	111	18197	111	-72.2	-60.1	-82.1			39	082	13.5	15.2	78.54	1.59	1986	1986
<i>70</i>	106	18986	106	-68.2	-55.5	-78.5			37	087	15.0	16.8	85.41	1.91	1986	1984
<i>60</i>	102	19916	102	-63.0	-49.1	-74.1			36	094	15.7	17.0	89.31	2.21	1986	1986
<i>50</i>	96	21049	96	-57.3	-45.1	-68.7			34	091	13.8	15.7	96.62	2.13	1986	1984
<i>40</i>	92	22475	92	-51.6	-41.1	-62.9			29	088	16.8	17.3	110.02	1.94	1985	1984
<i>30</i>	78	24359	78	-46.2	-36.5	-56.3			20	095	18.3	18.8	115.55	1.91	1986	1985
<i>25</i>	62	25566	62	-43.7	-29.9	-52.9			13	093	16.7	17.2	148.06	2.55	1986	1985
<i>20</i>	46	27015	46	-42.2	-35.1	-48.3			6	096	19.6	19.8	113.52	1.71	1985	1985
<i>15</i>	29	28890	29	-40.1	-30.9	-44.9			1	239	26.0	26.0	120.60	2.23	1985	1984
<i>10</i>	8	31552	8	-38.7	-34.1	-41.3									1986	1984
<i>7</i>	2	33894	2	-36.9	-34.3	-39.5									1984	1984

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
159	520	552					114	098	1704	-74.6

NORMALS OF RADIOSONDE DATA

42492 PATNA

JULY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	994	217	26.8	29.2	24.0	217	25.7	217	096	1.4	2.4	1.07	0.29	1987	1986
1000	171	2	3	25.9	26.4	25.0	3	25.3	3	140	1.5	1.6	7.24		1989	1989
950	172	440	172	25.3	29.6	20.0	172	23.3	146	114	1.7	5.4	9.54	0.50	1987	1986
900	172	928	172	23.3	29.8	16.2	172	20.8	146	160	1.4	6.7	11.44	0.67	1987	1985
850	172	1426	172	20.9	28.4	14.2	172	18.3	146	178	1.1	6.9	11.55	0.73	1987	1985
800	172	1949	172	18.3	24.2	12.4	171	15.6	145	171	0.8	7.1	11.77	0.84	1987	1985
750	172	2505	172	15.6	21.2	9.6	171	12.7	146	180	0.7	6.9	14.29	0.93	1990	1985
700	172	3084	172	12.8	18.6	7.0	171	9.4	146	180	0.7	6.5	13.86	1.00	1990	1984
650	171	3708	171	9.9	15.4	3.6	170	5.7	137	151	1.0	6.5	17.03	1.03	1990	1984
600	171	4369	171	6.8	12.8	0.0	170	1.3	134	142	1.3	6.4	16.89	1.00	1984	1987
550	168	5093	168	3.3	10.2	-6.1	166	-2.6	127	132	1.6	6.2	27.87	1.09	1990	1984
500	165	5849	165	-0.4	5.8	-6.9	160	-7.2	124	145	2.1	6.3	21.03	1.08	1990	1984
450	163	6698	163	-4.5	0.8	-12.1	150	-11.7	119	129	3.2	6.4	29.25	1.02	1984	1987
400	163	7606	163	-9.3	-4.3	-16.5	141	-17.5	117	129	3.8	6.5	27.33	1.18	1984	1987
350	159	8623	159	-15.2	-9.9	-21.3	121	-23.6	110	123	5.4	7.8	27.98	1.33	1984	1984
300	158	9780	158	-22.6	-15.3	-28.9	107	-31.8	107	113	6.8	8.6	38.23	1.22	1984	1984
250	153	11092	153	-32.1	-25.9	-39.3	64	-40.8	103	104	8.2	10.1	46.57	1.45	1988	1986
200	152	12630	152	-44.8	-36.9	-55.1	9	-52.5	102	097	11.5	13.3	58.14	2.04	1990	1986
175	149	13508	149	-52.4	-44.3	-63.1			98	094	13.7	15.5	65.07	2.06	1988	1984
150	149	14488	149	-60.4	-52.1	-70.1			96	098	15.1	17.2	72.92	2.03	1988	1986
125	143	15604	143	-68.4	-60.9	-76.7			89	098	16.3	18.1	83.36	1.66	1988	1985
100	140	16927	140	-73.3	-63.9	-80.7			83	094	17.8	19.4	94.51	1.63	1990	1987
80	131	18235	131	-70.9	-58.1	-79.7			66	091	18.8	19.5	103.39	1.83	1990	1984
70	127	19026	127	-66.8	-52.1	-78.3			61	094	19.8	20.4	102.78	2.36	1990	1985
60	124	19969	124	-61.3	-41.7	-70.1			57	094	19.8	20.3	112.72	2.41	1990	1988
50	117	21114	117	-56.0	-38.7	-65.9			49	094	19.2	19.6	117.10	2.52	1990	1984
40	101	22535	101	-51.4	-37.5	-58.1			38	098	22.2	22.7	124.34	2.90	1985	1988
30	86	24415	86	-47.1	-34.5	-56.1			22	096	23.6	23.9	154.66	2.24	1985	1987
25	69	25596	69	-44.9	-33.1	-56.1			18	096	23.6	24.3	146.97	2.32	1985	1987
20	48	27110	48	-42.6	-32.7	-52.5			7	094	24.7	25.0	152.36	2.94	1985	1987
15	29	29059	29	-40.6	-28.5	-44.9							125.54	2.09	1985	1984
10	8	31730	8	-39.3	-34.3	-43.1									1988	1985
7	1	33970	1	-40.5	-40.5	-40.5									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
168	505	576	3	130	1551	-70.1		137	100	1694	-74.5

NORMALS OF RADIOSONDE DATA

42492 PATNA

AUGUST 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	995	217	27.1	30.0	23.0	217	25.8	217	098	1.4	2.5	1.65	0.29	1987	1987
<i>1000</i>	200	16	11	27.3	29.0	25.0	11	25.9	10	101	1.6	1.7	14.90		1990	1990
<i>950</i>	200	446	200	25.9	30.4	20.8	200	22.9	180	104	2.5	6.0	12.80	0.58	1985	1990
<i>900</i>	200	940	200	23.7	29.2	18.4	200	20.2	179	118	3.8	7.9	20.58	0.68	1990	1984
<i>850</i>	200	1439	200	21.3	27.2	15.4	200	17.6	180	113	3.6	8.0	21.22	0.69	1988	1984
<i>800</i>	200	1963	200	18.6	25.2	13.0	200	14.5	179	110	3.5	8.0	21.84	0.63	1988	1984
<i>750</i>	200	2519	200	16.0	23.0	10.4	200	11.2	180	112	3.4	7.9	24.76	0.65	1988	1984
<i>700</i>	200	3100	200	13.3	20.8	7.8	199	7.6	180	120	3.1	7.7	22.26	0.75	1988	1984
<i>650</i>	196	3722	196	10.4	18.2	5.2	193	3.6	169	119	3.5	7.6	24.85	0.86	1988	1984
<i>600</i>	196	4383	196	7.0	13.4	1.0	191	-0.4	165	118	3.5	7.4	22.65	0.77	1988	1987
<i>550</i>	195	5112	195	3.3	10.0	-4.1	187	-4.9	160	117	3.8	7.1	35.52	0.78	1988	1984
<i>500</i>	192	5863	192	-0.5	6.2	-4.9	176	-9.1	156	111	4.1	6.8	24.92	0.70	1988	1987
<i>450</i>	191	6710	191	-4.8	2.0	-11.7	166	-13.8	150	113	4.7	7.3	33.73	0.72	1988	1985
<i>400</i>	189	7619	189	-9.8	-2.9	-14.7	154	-20.0	146	116	5.4	7.4	28.60	0.95	1989	1984
<i>350</i>	187	8637	187	-15.9	-8.5	-21.3	128	-26.4	136	112	6.6	8.2	28.85	1.00	1988	1987
<i>300</i>	185	9786	185	-23.5	-15.5	-31.5	83	-33.7	133	107	7.6	9.1	36.00	1.10	1988	1986
<i>250</i>	182	11097	182	-32.9	-21.5	-44.1	36	-42.4	123	102	8.3	10.1	39.76	1.28	1985	1986
<i>200</i>	180	12629	180	-45.6	-37.9	-57.1	2	-52.4	113	095	9.6	11.9	50.25	1.71	1984	1985
<i>175</i>	176	13505	176	-53.0	-41.3	-63.7			107	093	11.0	13.0	53.49	1.83	1989	1985
<i>150</i>	172	14484	172	-61.0	-52.5	-71.1			103	087	12.9	14.2	54.98	1.89	1984	1985
<i>125</i>	169	15599	169	-68.7	-52.3	-78.9			100	086	14.4	16.0	59.52	2.02	1986	1985
<i>100</i>	166	16918	166	-73.1	-63.5	-82.5			97	085	17.4	18.6	68.25	1.57	1989	1988
<i>80</i>	161	18233	161	-69.7	-55.9	-82.5			87	092	18.9	20.0	80.93	2.39	1989	1988
<i>70</i>	159	19037	159	-65.4	-50.3	-77.9			81	094	18.9	19.8	84.93	2.85	1989	1988
<i>60</i>	156	19982	156	-60.5	-47.9	-72.9			76	094	18.3	18.9	89.60	2.59	1989	1987
<i>50</i>	154	21129	154	-56.0	-41.5	-66.9			68	093	20.0	20.7	100.20	2.69	1990	1987
<i>40</i>	143	22550	143	-52.0	-39.1	-61.9			53	096	21.8	22.5	118.26	2.72	1985	1988
<i>30</i>	125	24410	125	-47.6	-33.7	-57.5			42	098	24.2	25.0	133.63	2.80	1985	1987
<i>25</i>	105	25597	105	-45.9	-33.1	-56.1			33	102	24.1	24.5	144.10	2.66	1985	1988
<i>20</i>	81	27079	81	-44.2	-32.1	-54.3			16	096	24.5	25.4	161.05	2.25	1985	1988
<i>15</i>	55	29017	55	-41.8	-33.9	-49.1			2	085	24.4	24.5	177.34	1.86	1990	1986
<i>10</i>	17	31696	17	-39.8	-34.3	-45.7									1984	1985
<i>7</i>	7	34089	7	-37.4	-32.7	-41.9									1984	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
194	506	578					164	103	1678	-745

NORMALS OF RADIOSONDE DATA

42492 PATNA

SEPTEMBER 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	210	999	210	26.3	29.4	21.4	210	25.1	210	100	1.3	2.3	0.93	0.52	1987	1984
1000	187	51	92	25.8	29.2	21.4	92	24.4	89	103	1.0	1.6	5.90	0.94	1987	1986
950	187	481	187	25.2	31.0	17.2	187	21.3	175	131	1.4	5.4	12.92	0.66	1985	1987
900	187	976	187	22.9	28.4	15.4	186	18.1	175	157	1.5	6.8	5.89	0.90	1987	1987
850	187	1472	187	20.1	26.6	13.4	186	15.2	175	168	0.7	6.9	6.15	1.05	1990	1987
800	187	1995	187	17.4	22.2	11.0	184	11.6	175	232	0.5	7.3	8.04	1.20	1985	1984
750	187	2542	187	14.6	20.0	7.6	183	8.3	175	249	0.4	7.2	9.31	1.31	1985	1984
700	187	3124	187	11.7	18.8	5.6	180	4.2	174	211	0.9	7.1	10.78	1.36	1990	1984
650	186	3740	186	8.8	14.2	3.0	177	-0.2	166	233	1.5	6.6	13.54	1.41	1987	1985
600	185	4399	185	5.6	11.8	-0.7	168	-3.7	159	228	2.1	6.6	15.13	1.42	1987	1985
550	184	5124	184	1.8	8.6	-4.3	161	-7.5	151	230	2.8	6.5	27.32	1.43	1987	1985
500	183	5871	183	-2.0	3.6	-8.1	153	-11.9	149	224	3.0	6.6	21.11	1.40	1987	1985
450	181	6714	181	-6.3	-1.3	-14.1	133	-16.1	142	230	3.7	6.9	29.15	1.51	1987	1988
400	180	7616	180	-11.4	-5.1	-18.5	117	-21.4	141	227	3.5	7.0	29.31	1.58	1988	1985
350	176	8625	176	-17.4	-11.9	-23.9	92	-27.8	137	230	3.5	7.4	30.51	1.76	1988	1985
300	174	9771	174	-24.9	-18.9	-31.9	67	-34.8	128	220	2.9	8.2	42.37	1.92	1984	1986
250	171	11073	171	-34.5	-22.9	-43.1	29	-42.8	116	214	3.1	8.7	51.58	2.23	1988	1985
200	168	12597	168	-46.8	-38.5	-58.3	1	-48.5	112	213	2.3	9.8	66.85	2.65	1990	1985
175	165	13467	165	-54.1	-47.1	-67.1			108	186	1.9	10.3	75.18	2.63	1990	1985
150	162	14442	162	-61.8	-53.1	-73.1			105	149	2.0	10.2	84.07	2.63	1990	1986
125	154	15551	154	-69.3	-59.9	-79.1			101	115	4.0	9.7	99.20	2.00	1990	1986
100	150	16868	150	-73.3	-64.1	-83.1			101	101	7.1	9.6	103.73	1.38	1985	1985
80	150	18184	150	-69.9	-56.1	-81.1			97	093	9.2	10.5	100.87	2.18	1985	1988
70	148	18984	148	-65.7	-50.1	-81.1			93	097	10.2	11.3	95.99	2.19	1985	1988
60	146	19931	146	-60.5	-44.1	-73.3			88	102	11.6	12.2	93.19	1.96	1985	1988
50	142	21084	142	-56.2	-39.1	-65.9			84	100	12.6	13.2	91.19	2.33	1985	1987
40	131	22518	131	-52.0	-34.1	-63.1			72	096	14.8	15.4	93.39	2.81	1985	1988
30	118	24392	117	-48.0	-34.1	-60.1			61	102	17.7	18.2	113.78	2.43	1985	1987
25	103	25576	102	-45.7	-37.9	-59.7			52	106	18.1	18.6	135.25	2.06	1984	1987
20	78	27068	78	-44.9	-34.9	-57.3			34	104	18.7	19.3	149.71	2.75	1990	1987
15	56	28951	56	-43.0	-33.5	-54.5			9	095	20.8	21.1	167.01	2.75	1990	1987
10	22	31600	22	-42.2	-33.1	-51.9							178.70	3.98	1990	1987
7	10	33865	10	-43.1	-35.5	-52.5									1990	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
185	525	548					150	104	1667	-74.4

NORMALS OF RADIOSONDE DATA

42492 PATNA

OCTOBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1004	248	22.4	29.0	15.2	248	20.9	248	099	0.3	1.0	1.77	0.79	1983	1990
1000	230	91	211	22.5	29.0	16.4	209	20.1	204	037	0.2	1.5	13.17	0.48	1983	1990
950	230	519	230	23.6	32.2	16.8	227	14.4	219	022	0.3	3.4	16.93	0.70	1984	1983
900	230	1010	230	20.9	28.0	12.0	224	10.9	219	325	0.5	4.2	13.34	0.55	1984	1989
850	230	1503	230	18.0	24.0	8.0	216	7.4	220	322	1.1	4.9	13.92	0.76	1987	1983
800	230	2020	230	15.1	24.2	6.0	207	3.5	219	317	1.2	5.4	15.74	0.94	1990	1983
750	230	2565	230	12.3	20.4	5.0	190	-0.1	219	310	1.3	6.1	18.05	0.88	1984	1983
700	230	3140	230	9.3	18.0	2.2	149	-2.6	220	290	2.2	6.2	17.90	0.84	1984	1984
650	228	3751	228	6.6	13.6	-1.1	118	-4.9	210	280	2.8	6.6	17.70	0.99	1984	1985
600	227	4405	227	3.4	9.8	-3.5	90	-7.2	206	271	4.8	8.1	19.08	0.91	1987	1983
550	227	5121	227	-0.3	5.8	-8.1	73	-9.4	204	269	5.8	8.7	25.71	0.92	1987	1983
500	227	5864	227	-4.5	2.0	-12.1	61	-13.3	203	271	7.6	10.2	22.14	0.78	1988	1983
450	224	6697	224	-9.0	8.0	-16.1	55	-19.3	188	268	9.5	11.7	28.02	0.94	1988	1987
400	221	7591	221	-14.4	-6.5	-22.9	43	-25.6	179	265	11.9	14.0	25.23	0.97	1989	1985
350	217	8590	217	-20.6	-13.1	-31.5	24	-31.1	158	258	13.9	15.9	22.64	1.28	1984	1985
300	212	9718	212	-27.8	-20.7	-39.9	10	-39.2	145	258	16.9	18.4	33.73	1.57	1988	1985
250	208	11008	208	-36.8	-29.5	-47.1			123	256	18.7	20.4	42.97	1.95	1984	1985
200	203	12517	203	-48.3	-41.5	-57.7			107	251	18.1	20.0	55.42	2.26	1988	1985
175	199	13384	199	-55.2	-46.3	-65.7			94	248	16.6	18.6	63.57	2.19	1984	1985
150	195	14350	195	-62.1	-54.1	-73.5			85	252	14.9	16.7	72.32	2.18	1989	1985
125	182	15460	182	-68.7	-55.9	-79.1			76	247	10.0	13.0	83.10	1.95	1989	1985
100	178	16784	178	-72.5	-50.1	-81.3			72	232	4.8	8.7	94.94	1.73	1985	1988
80	172	18107	172	-69.4	-54.1	-83.5			68	154	2.5	7.1	92.90	2.72	1985	1983
70	165	18911	165	-65.2	-44.1	-78.7			66	108	4.3	7.9	94.66	3.08	1985	1988
60	160	19862	160	-60.3	-38.3	-73.3			64	104	6.5	9.0	92.52	2.65	1985	1988
50	156	21009	156	-55.6	-36.5	-67.7			63	104	8.1	9.2	93.20	2.65	1985	1987
40	146	22441	146	-51.6	-29.1	-66.9			60	097	10.1	10.9	101.96	3.08	1985	1987
30	130	24328	130	-47.3	-21.5	-57.3			54	100	11.3	12.0	113.04	3.38	1985	1987
25	119	25495	119	-45.8	-30.1	-57.3			52	109	11.2	12.1	122.99	2.73	1985	1987
20	103	27004	102	-44.0	-32.7	-57.3			43	109	9.7	11.2	128.98	3.08	1985	1987
15	78	28918	78	-42.7	-35.1	-54.7			10	106	7.2	9.6	172.32	1.69	1990	1987
10	42	31578	42	-41.7	-33.1	-52.3							206.20	2.46	1984	1983
7	9	33796	9	-42.5	-37.5	-51.1									1983	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
227	554	506	3	160	1392	-58.5	178	104	1661	-73.8

NORMALS OF RADIOSONDE DATA

42492 PATNA

NOVEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	240	1009	240	16.0	23.2	9.0	240	14.4	240	308	0.2	0.4	1.22	0.97	1990	1984
1000	211	129	211	18.1	27.8	10.8	209	13.0	208	328	0.6	1.6	10.76	1.34	1990	1985
950	211	549	210	20.9	30.6	13.0	207	7.2	207	327	1.5	3.4	14.84	1.15	1987	1984
900	211	1038	211	18.0	29.4	11.0	206	4.1	207	315	1.7	4.0	11.05	1.19	1987	1985
850	211	1524	211	14.7	26.4	7.8	194	1.2	207	307	1.8	4.6	12.65	1.51	1987	1984
800	211	2036	211	12.5	22.8	5.8	143	-2.6	207	298	2.1	5.5	14.98	1.85	1990	1984
750	211	2574	211	10.3	20.8	-4.3	100	-4.8	207	297	3.2	6.4	15.06	2.00	1987	1984
700	211	3145	211	7.8	17.0	-0.5	66	-6.9	206	292	4.5	7.2	17.65	1.82	1987	1989
650	208	3753	208	4.9	14.0	-6.1	38	-10.1	197	292	6.4	8.3	20.75	1.78	1987	1989
600	207	4401	207	1.7	11.2	-6.1	16	-13.7	192	286	8.5	9.9	20.98	1.61	1987	1989
550	207	5109	207	-2.3	7.8	-11.3	14	-16.4	185	282	10.4	11.6	28.65	1.61	1987	1989
500	205	5848	205	-7.2	3.4	-13.9	13	-19.2	180	278	13.2	14.4	28.34	1.67	1987	1989
450	204	6673	204	-12.3	7.4	-20.5	10	-23.8	167	276	16.5	17.8	35.99	1.90	1987	1988
400	203	7552	203	-18.1	-8.9	-28.3	9	-28.1	156	275	20.7	22.0	38.56	1.82	1987	1988
350	197	8538	197	-24.3	-14.1	-33.9	6	-34.7	127	272	25.4	27.1	42.03	1.66	1987	1985
300	194	9649	194	-31.3	-22.1	-41.9	4	-41.6	122	267	31.5	33.4	50.09	1.50	1988	1985
250	191	10920	191	-39.5	-31.7	-50.5	1	-50.3	101	261	36.8	39.3	56.29	1.74	1988	1987
200	185	12416	185	-49.5	-39.9	-62.3			75	260	36.4	37.9	63.11	2.37	1984	1985
175	180	13280	180	-55.4	-44.1	-68.1			60	263	31.4	32.5	69.34	2.86	1989	1985
150	174	14251	174	-61.0	-50.1	-71.5			54	266	24.2	25.3	79.58	2.95	1988	1985
125	162	15366	162	-66.2	-54.1	-76.1			45	268	15.1	16.7	92.11	2.99	1989	1985
100	155	16705	155	-70.2	-58.5	-79.1			39	261	8.0	10.6	103.95	2.54	1989	1985
80	142	18022	142	-69.7	-56.1	-78.5			34	242	3.0	8.1	104.55	2.18	1989	1990
70	138	18822	138	-66.8	-55.7	-77.9			32	181	2.2	8.0	105.78	2.02	1989	1987
60	136	19762	136	-62.8	-52.1	-74.1			31	116	2.2	7.4	106.94	1.69	1988	1987
50	131	20902	131	-57.4	-43.5	-73.1			28	111	3.5	7.1	104.51	1.45	1985	1985
40	123	22332	123	-52.3	-39.5	-67.3			28	106	5.1	7.6	104.79	1.54	1985	1987
30	110	24218	109	-47.9	-35.7	-59.7			22	099	7.5	9.9	102.29	1.84	1987	1987
25	94	25405	93	-46.0	-35.1	-56.7			12	096	11.7	13.2	103.37	1.97	1988	1987
20	75	26884	74	-44.6	-30.7	-55.1			5	094	17.0	18.2	119.18	2.10	1987	1988
15	45	28746	45	-43.4	-33.5	-53.5							211.64	2.95	1985	1988
10	19	31568	19	-41.0	-29.9	-51.1									1987	1988
7	7	33704	7	-42.4	-38.5	-46.9									1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

206	582	465		5	157	1435	-65.2		151	101	1671	-71.8
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NORMALS OF RADIOSONDE DATA

42492 PATNA

DECEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	248	1011	248	11.5	18.6	7.0	248	10.4	248	301	0.2	0.8	1.90	0.74	1986	1989
1000	194	145	194	14.8	25.2	8.2	194	10.0	189	298	0.9	2.2	15.36	1.04	1989	1984
950	194	562	194	17.3	26.8	7.6	194	6.3	187	301	1.6	3.9	21.54	1.01	1987	1984
900	194	1043	194	14.8	24.4	7.2	184	1.9	187	297	2.3	4.8	17.16	0.99	1989	1983
850	194	1525	194	12.8	23.4	3.6	144	-1.8	188	292	3.7	6.1	18.49	1.34	1990	1983
800	194	2032	194	10.9	23.4	3.6	107	-5.4	188	294	5.0	7.3	19.70	1.40	1990	1983
750	194	2571	194	8.8	20.4	1.2	74	-6.3	188	295	6.6	8.6	22.66	1.45	1990	1984
700	194	3137	194	6.5	16.4	-3.5	60	-8.1	188	295	8.6	10.3	20.76	1.54	1990	1984
650	192	3740	192	3.3	11.4	-5.7	50	-12.7	180	292	11.2	12.5	22.44	1.67	1990	1986
600	190	4388	190	-0.1	9.0	-8.7	40	-15.7	171	288	13.1	14.3	27.52	1.36	1987	1984
550	187	5089	187	-4.1	7.4	-13.1	33	-19.4	156	285	15.5	16.8	33.91	1.09	1987	1984
500	186	5824	186	-9.1	0.6	-16.3	27	-21.4	152	283	18.3	19.8	31.47	1.06	1987	1988
450	181	6643	181	-14.3	-6.1	-21.3	22	-27.2	143	281	22.6	24.3	36.61	1.08	1987	1985
400	177	7519	177	-20.2	-12.9	-28.1	21	-30.7	131	279	26.7	28.3	30.41	1.32	1987	1988
350	174	8496	174	-26.9	-18.9	-35.7	18	-38.0	112	280	31.1	33.2	31.26	1.70	1990	1988
300	174	9593	174	-34.3	-24.5	-44.9	7	-43.2	88	277	34.7	37.0	38.17	2.20	1987	1988
250	169	10844	169	-42.9	-32.1	-52.1	2	-50.6	60	275	36.1	38.5	46.52	2.47	1990	1985
200	165	12324	165	-52.2	-40.9	-59.7			41	269	32.2	33.8	59.37	2.67	1989	1986
175	161	13182	161	-56.8	-45.1	-66.9			38	272	30.9	32.2	65.29	2.52	1989	1983
150	153	14149	153	-61.4	-47.1	-72.9			30	275	24.1	25.1	73.75	2.48	1989	1983
125	143	15264	143	-66.0	-51.1	-75.3			26	272	18.8	20.3	77.92	2.14	1989	1990
100	134	16608	134	-69.7	-54.1	-78.1			21	275	14.3	16.1	103.72	2.27	1989	1988
80	122	17939	122	-68.8	-53.9	-79.3			15	251	8.5	13.0	110.29	3.15	1989	1987
70	116	18733	116	-66.6	-52.1	-77.5			15	260	6.3	10.4	122.35	2.92	1985	1987
60	111	19671	111	-62.7	-49.1	-76.7			14	228	2.6	8.0	105.12	3.34	1985	1987
50	107	20809	107	-57.9	-45.1	-70.5			15	209	4.0	10.0	100.40	2.93	1985	1986
40	99	22231	99	-52.7	-40.1	-62.3			14	117	6.7	11.6	100.03	2.92	1985	1987
30	82	24115	82	-48.0	-36.3	-58.7			11	111	8.0	10.2	99.26	2.90	1983	1987
25	60	25307	60	-46.8	-38.1	-55.5			6	105	14.0	15.5	108.20	3.49	1985	1987
20	45	26773	45	-45.1	-35.5	-53.1			1	107	27.9	28.0	104.78	4.20	1983	1987
15	25	28664	25	-43.4	-36.3	-50.1							174.05	2.24	1987	1986
10	11	31444	11	-41.8	-33.5	-52.3									1984	1986
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

191	605	434														
			15	204	1219	-56.8				127	104	1641	-70.4			

NORMALS OF RADIOSONDE DATA

42779 PENDRA

JANUARY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	336	945	336	12.5	18.6	5.8	336	8.0	336	003	0.3	0.9	1.09	1.12	1988	1986
1000	285	146											9.95			
950	280	541											9.87			
900	280	1032	280	14.8	22.8	5.2	273	4.3	258	323	2.1	5.1	10.14	1.09	1990	1983
850	280	1515	280	13.6	23.4	6.2	245	1.8	258	290	4.3	6.5	10.76	1.25	1988	1985
800	280	2025	280	11.2	21.8	3.0	209	-0.3	257	291	5.9	7.6	11.65	1.47	1990	1985
750	280	2556	280	8.4	19.6	-0.3	176	-3.2	255	286	7.2	8.7	15.19	1.66	1990	1985
700	279	3127	279	5.5	18.0	-3.7	145	-6.6	254	284	9.5	10.8	16.54	1.87	1990	1985
650	278	3719	278	2.5	12.2	-7.9	111	-10.6	248	283	11.1	12.5	18.19	1.90	1990	1983
600	275	4372	274	-0.7	7.6	-11.1	75	-15.0	244	281	13.5	14.9	24.14	1.70	1990	1985
550	272	5068	271	-4.5	5.0	-14.5	57	-18.5	238	279	16.3	17.6	32.94	1.79	1989	1988
500	270	5807	269	-8.8	1.8	-19.9	45	-22.6	235	276	19.8	21.2	33.54	1.95	1990	1988
450	268	6612	268	-13.7	-3.1	-28.9	39	-27.2	230	273	23.1	24.8	41.26	2.30	1990	1980
400	265	7501	265	-19.3	-10.3	-31.3	32	-31.6	223	272	26.6	28.7	45.81	2.33	1989	1982
350	261	8486	261	-25.1	-15.1	-38.5	25	-36.8	210	271	31.0	33.3	47.78	2.28	1986	1982
300	255	9591	254	-32.0	-24.1	-48.3	12	-42.2	197	266	34.3	36.5	61.70	2.38	1987	1982
250	242	10858	242	-40.5	-30.3	-57.9			175	266	36.1	38.3	70.16	2.40	1987	1982
200	210	12339	210	-50.8	-40.3	-66.1			138	264	36.2	38.5	84.88	2.50	1990	1983
175	186	13200	186	-56.0	-45.1	-70.1			114	262	34.4	36.6	92.76	2.42	1990	1984
150	139	14158	139	-61.4	-50.1	-72.1			85	261	32.8	35.2	110.11	2.96	1987	1983
125	109	15262	109	-67.1	-54.1	-80.9			62	264	26.8	28.7	128.06	3.15	1985	1982
100	92	16573	91	-71.9	-56.9	-82.1			52	264	22.6	24.7	115.90	3.64	1987	1982
80	71	17886	71	-72.4	-60.3	-82.5			35	272	17.1	19.2	138.80	3.04	1985	1982
70	65	18694	65	-69.5	-58.1	-81.7			30	280	14.6	17.7	153.67	2.70	1985	1982
60	61	19618	61	-65.2	-50.3	-77.1			27	284	9.5	13.0	144.55	3.48	1988	1982
50	53	20757	53	-59.5	-42.7	-72.5			22	284	12.6	14.9	188.47	4.67	1988	1982
40	46	22187	46	-54.2	-40.3	-64.1			18	291	9.6	16.0	215.52	4.07	1989	1983
30	41	24029	41	-50.1	-34.1	-60.3			16	268	5.9	14.0	263.92	3.85	1989	1982
25	28	25280	28	-47.1	-35.1	-56.9			12	285	8.4	11.9	268.01	6.16	1988	1983
20	21	26803	21	-45.3	-36.3	-53.3			10	049	2.8	11.6	279.32	5.34	1985	1983
15	8	28864	8	-41.0	-36.5	-48.1			5	349	3.7	13.2			1986	1983
10	5	31636	5	-39.4	-32.9	-45.5			4	278	4.5	9.0			1989	1983
7	1	34075	1	-37.9	-37.9	-37.9			1	186	6.0	6.0			1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
276	614	420					76	100	1656	-73.5

NORMALS OF RADIOSONDE DATA

42779 PENDRA

FEBRUARY 1980-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	311	943	311	14.4	20.0	7.2	311	7.6	311	355	0.6	1.0	1.38	0.64	1981	1983
<i>1000</i>	288	127											11.82			
<i>950</i>	287	529											11.08			
<i>900</i>	287	1018	286	16.8	27.6	8.4	277	3.0	277	325	2.6	5.6	12.16	1.64	1990	1983
<i>850</i>	287	1504	286	15.2	25.8	1.4	252	0.2	278	292	4.6	6.9	12.49	1.62	1990	1982
<i>800</i>	287	2016	286	12.4	23.8	4.8	239	-1.9	277	283	6.9	8.3	14.05	1.58	1990	1982
<i>750</i>	287	2543	287	9.0	20.6	0.2	220	-4.4	274	280	9.0	10.3	16.09	1.62	1990	1982
<i>700</i>	287	3121	287	5.5	15.8	-0.7	199	-7.6	272	279	10.6	11.8	17.81	1.62	1990	1983
<i>650</i>	266	3707	286	2.1	11.2	-6.3	163	-10.7	267	278	12.1	13.1	20.91	1.73	1990	1990
<i>600</i>	285	4365	285	-1.2	8.6	-10.5	122	-13.8	264	279	14.2	15.4	22.73	1.87	1990	1990
<i>550</i>	281	5061	281	-4.9	4.6	-16.3	99	-17.6	256	278	16.9	18.1	29.48	1.89	1990	1985
<i>500</i>	280	5799	279	-9.0	1.2	-17.5	77	-21.5	254	276	20.1	21.6	31.18	1.99	1990	1983
<i>450</i>	279	6604	278	-14.0	-2.1	-24.5	59	-26.1	249	275	22.5	24.2	39.62	2.22	1990	1983
<i>400</i>	275	7492	273	-19.3	-5.9	-29.5	39	-30.4	241	273	26.7	28.9	42.21	2.58	1990	1983
<i>350</i>	261	8475	261	-25.4	-10.9	-35.5	29	-34.8	222	272	30.6	33.1	51.30	2.85	1990	1983
<i>300</i>	252	9578	251	-32.0	-18.9	-45.1	15	-39.8	206	267	34.1	36.9	62.50	3.00	1990	1981
<i>250</i>	237	10841	237	-40.5	-26.9	-55.3	5	-39.6	185	265	36.5	40.0	74.90	3.12	1990	1982
<i>200</i>	200	12327	200	-50.3	-40.5	-60.5			144	263	37.8	41.2	85.78	2.96	1990	1982
<i>175</i>	169	13183	169	-55.7	-45.1	-66.9			117	264	36.7	40.8	98.20	3.29	1987	1982
<i>150</i>	136	14143	136	-60.7	-49.5	-77.5			87	264	36.4	39.4	108.97	3.49	1987	1982
<i>125</i>	99	15252	99	-66.2	-55.9	-77.1			54	271	33.7	36.1	139.91	3.89	1986	1983
<i>100</i>	82	16570	82	-71.0	-53.5	-83.9			45	268	27.6	30.4	164.02	3.69	1983	1983
<i>80</i>	53	17862	63	-71.6	-59.1	-83.5			32	266	19.1	22.7	162.39	3.21	1988	1983
<i>70</i>	54	18657	54	-69.0	-59.5	-79.9			26	264	19.6	22.2	180.16	3.88	1986	1981
<i>60</i>	51	19577	51	-63.8	-53.7	-80.7			23	268	15.0	20.5	191.49	3.50	1986	1981
<i>50</i>	46	20738	46	-58.7	-46.5	-71.1			19	274	12.8	22.0	175.04	3.69	1986	1981
<i>40</i>	39	22165	39	-53.6	-41.1	-63.7			14	255	6.5	18.7	183.34	3.99	1986	1981
<i>30</i>	32	24070	32	-47.9	-34.3	-58.3			9	317	4.1	22.5	220.64	3.85	1986	1981
<i>25</i>	23	25298	23	-44.9	-33.1	-52.5			7	286	11.1	23.5	218.42	2.72	1988	1983
<i>20</i>	17	26868	17	-42.3	-31.1	-50.5			4	252	11.2	22.5			1988	1983
<i>15</i>	11	28912	11	-38.7	-28.5	-47.7			2	070	12.6	13.0			1988	1989
<i>10</i>	6	31594	6	-37.0	-25.9	-44.7			1	059	10.0	10.0			1988	1989
<i>7</i>	1	33830	1	-43.9	-43.9	-43.9			1	059	8.0	8.0			1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
286	617	414	5	180	1284	-59.7	64	101	1667	-73.1

NORMALS OF RADIOSONDE DATA

42779 PENDRA

MARCH 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	341	941	341	18.6	27.4	12.0	341	8.2	341	325	0.3	1.0	0.67	0.83	1980	1984
<i>1000</i>	317	103											6.95			
<i>950</i>	315	515											6.58			
<i>900</i>	315	1007	315	21.0	29.4	9.4	298	3.9	302	325	2.4	5.8	4.38	1.15	1990	1980
<i>850</i>	315	1499	315	18.9	27.0	7.2	288	1.1	301	301	4.9	7.3	4.78	1.12	1990	1987
<i>800</i>	315	2017	315	15.6	23.2	5.6	282	-1.3	301	284	7.2	8.9	5.91	1.10	1988	1988
<i>750</i>	315	2550	315	11.8	22.4	2.8	265	-3.4	301	280	8.9	10.3	8.97	1.18	1988	1986
<i>700</i>	315	3132	315	7.6	17.0	0.4	248	-6.1	301	280	10.6	12.1	9.39	1.31	1988	1986
<i>650</i>	313	3719	313	3.4	12.6	-3.5	214	-9.0	295	278	11.3	13.1	15.07	1.43	1988	1989
<i>600</i>	311	4381	311	-0.7	9.4	-10.5	169	-12.2	293	279	12.9	14.4	14.77	1.39	1988	1982
<i>550</i>	310	5076	310	-4.5	7.2	-12.7	128	-17.0	279	280	13.9	15.5	19.19	1.59	1990	1989
<i>500</i>	308	5816	308	-8.9	1.8	-19.5	93	-21.1	276	278	15.8	17.4	21.76	1.83	1988	1989
<i>450</i>	304	6621	304	-13.7	0.0	-23.5	72	-25.0	266	276	18.3	20.1	28.83	2.30	1990	1989
<i>400</i>	300	7513	300	-19.4	-6.1	-30.1	53	-30.2	257	276	20.5	22.5	36.40	2.62	1988	1987
<i>350</i>	296	8496	295	-25.5	-8.5	-35.3	38	-36.0	235	273	24.0	26.8	46.78	2.75	1988	1982
<i>300</i>	283	9596	282	-32.3	-18.3	-44.7	22	-42.6	215	273	27.1	30.6	54.78	2.85	1990	1981
<i>250</i>	267	10859	266	-40.5	-24.3	-53.1	7	-49.4	189	271	31.9	35.6	69.65	2.88	1990	1981
<i>200</i>	223	12337	222	-49.8	-35.7	-60.1	1	-53.7	149	269	33.0	36.9	77.70	2.96	1990	1982
<i>175</i>	194	13197	194	-55.1	-44.7	-66.5	1	-59.3	126	268	33.1	36.2	91.55	2.86	1989	1982
<i>150</i>	158	14169	158	-60.3	-50.3	-73.3	1	-63.1	102	267	32.1	35.1	105.47	3.29	1987	1982
<i>125</i>	115	15271	115	-66.2	-53.9	-78.5			71	271	28.5	30.4	122.08	4.23	1990	1982
<i>100</i>	95	16592	95	-71.2	-56.9	-84.5			52	271	23.1	25.3	153.27	4.14	1990	1982
<i>80</i>	73	17903	73	-71.5	-59.5	-81.5			33	271	16.1	19.4	120.17	1.66	1988	1985
<i>70</i>	69	18719	69	-69.2	-53.5	-82.1			25	277	15.8	19.6	122.01	2.40	1988	1985
<i>60</i>	62	19622	62	-64.2	-47.1	-74.9			17	273	12.0	15.6	118.17	3.00	1988	1985
<i>50</i>	55	20755	55	-57.7	-39.5	-68.7			10	269	9.1	13.3	121.78	4.24	1988	1984
<i>40</i>	47	22190	47	-52.5	-39.7	-63.3			8	294	10.2	11.9	110.61	4.05	1986	1984
<i>30</i>	40	24061	40	-47.5	-38.5	-58.3			6	232	2.2	10.5	132.18	3.61	1981	1983
<i>25</i>	32	25250	32	-45.2	-34.1	-54.5			6	278	3.7	8.0	142.18	3.73	1986	1984
<i>20</i>	24	26766	24	-42.4	-34.3	-50.3			4	302	3.0	7.3	124.04	2.93	1985	1984
<i>15</i>	15	28689	15	-40.3	-33.9	-45.7			3	306	2.9	6.3			1986	1987
<i>10</i>	7	31487	7	-37.0	-30.7	-41.3			1	332	4.0	4.0			1988	1987
<i>7</i>	1	33800	1	-37.1	-37.1	-37.1									1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

311 606 429

69 096 1687 -73.5

NORMALS OF RADIOSONDE DATA

42779 PENDRA

APRIL 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	294	938	294	23.7	31.4	17.2	294	9.0	294	284	0.2	1.2	1.24	1.55	1980	1986
<i>1000</i>	247	65											13.02			
<i>950</i>	247	486											14.47			
<i>900</i>	247	984	247	25.5	33.0	14.6	240	3.6	242	309	2.3	6.1	8.24	1.55	1980	1989
<i>850</i>	247	1484	247	23.1	29.6	13.2	232	0.9	242	298	4.5	7.1	8.13	1.50	1980	1989
<i>800</i>	247	2008	246	19.5	26.0	9.8	231	-1.2	242	289	6.1	7.9	8.88	1.44	1980	1989
<i>750</i>	247	2538	247	15.2	22.4	5.8	230	-2.8	242	281	7.5	9.0	17.94	1.74	1988	1984
<i>700</i>	247	3137	247	10.4	18.5	1.6	228	-4.7	243	276	9.0	10.4	13.78	1.66	1985	1986
<i>650</i>	241	3720	241	5.3	13.4	-3.5	215	-6.8	235	276	9.9	11.3	24.86	1.52	1988	1986
<i>600</i>	240	4395	239	0.5	9.0	-7.9	190	-9.6	233	278	11.5	12.7	19.35	1.52	1988	1988
<i>550</i>	239	5089	238	-3.7	3.6	-12.3	155	-14.5	228	282	12.4	13.6	22.50	1.48	1989	1982
<i>500</i>	236	5834	236	-7.8	0.6	-18.1	105	-19.8	224	283	13.8	15.1	25.79	1.56	1989	1982
<i>450</i>	233	6642	233	-12.4	-2.7	-21.1	73	-24.6	215	281	16.0	17.6	34.83	1.52	1989	1982
<i>400</i>	230	7537	230	-17.9	-8.5	-26.1	54	-29.4	209	278	18.9	20.7	33.52	1.54	1989	1982
<i>350</i>	227	8524	227	-24.1	-15.5	-34.3	39	-34.2	196	274	22.7	24.9	37.91	1.51	1989	1982
<i>300</i>	217	9632	217	-31.3	-22.1	-43.5	15	-40.4	176	272	24.7	28.0	46.91	1.95	1989	1982
<i>250</i>	198	10900	198	-39.9	-31.1	-52.1	6	-48.9	150	267	28.3	32.5	58.82	2.56	1988	1982
<i>200</i>	174	12393	174	-49.7	-38.3	-60.5			124	266	30.2	33.7	65.63	2.46	1987	1982
<i>175</i>	143	13252	143	-54.9	-41.1	-67.7			99	266	29.2	33.2	76.72	2.40	1987	1982
<i>150</i>	124	14218	124	-60.1	-47.5	-74.5			82	269	26.5	29.7	86.81	3.02	1987	1981
<i>125</i>	100	15326	100	-66.3	-53.5	-83.5			66	272	22.7	26.3	105.11	4.12	1987	1981
<i>100</i>	80	16651	80	-71.0	-58.7	-80.5			47	276	17.1	20.1	129.48	3.69	1986	1982
<i>80</i>	66	17964	66	-71.8	-58.1	-81.1			37	293	9.0	17.3	188.68	2.87	1987	1982
<i>70</i>	63	18761	63	-68.8	-57.3	-78.5			31	311	5.2	15.0	196.96	1.92	1986	1987
<i>60</i>	60	19688	60	-64.2	-53.1	-72.5			27	351	1.9	13.6	193.03	2.47	1986	1982
<i>50</i>	55	20835	55	-57.3	-48.1	-66.5			23	013	2.5	12.9	194.72	2.54	1983	1982
<i>40</i>	50	22274	49	-51.2	-43.1	-61.1			21	046	3.6	10.6	220.87	4.20	1983	1985
<i>30</i>	46	24190	46	-44.9	-35.5	-56.5			19	073	4.1	9.3	193.49	3.25	1983	1982
<i>25</i>	38	25412	38	-43.2	-34.5	-53.5			18	081	3.0	8.6	204.01	2.97	1983	1982
<i>20</i>	28	26993	28	-40.4	-32.5	-53.3			15	076	2.0	8.0	193.42	2.95	1987	1987
<i>15</i>	20	28998	20	-37.0	-30.5	-46.3			13	050	2.8	7.9			1987	1982
<i>10</i>	12	31814	12	-32.8	-26.3	-39.1			9	114	2.4	8.9			1988	1988
<i>7</i>	4	34263	4	-33.1	-27.1	-36.7			4	223	9.8	23.2			1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

240	592	447		1	167	1349	-59.7		67	096	1696	-73.6
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NORMALS OF RADIOSONDE DATA

42779 PENDRA

MAY 1980-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	326	935	326	26.0	33.2	17.0	326	13.1	326	237	0.4	1.2	1.68	1.49	1988	1987
1000	268	36											18.08			
950	268	458											16.60			
900	268	962	268	27.1	41.0	16.8	261	9.9	263	281	2.2	6.2	14.68	2.08	1984	1987
850	268	1465	268	25.2	36.8	16.2	262	6.4	263	299	3.7	6.5	12.59	1.81	1984	1987
800	268	1994	268	21.8	32.8	11.8	261	3.5	263	307	5.0	6.9	10.83	1.76	1989	1987
750	268	2530	268	17.5	31.0	6.8	262	1.2	262	308	5.7	7.3	11.14	1.87	1989	1987
700	268	3131	268	12.7	26.0	2.2	259	-0.7	261	310	6.8	8.4	8.86	1.93	1989	1987
650	266	3717	266	7.5	20.2	-2.5	251	-3.4	254	306	7.4	9.1	16.53	1.98	1989	1987
600	265	4399	265	2.5	14.2	-6.9	235	-6.8	249	301	7.6	9.4	11.68	1.84	1989	1987
550	263	5099	263	-1.7	10.2	-10.1	195	-10.8	240	299	7.8	9.6	22.16	1.85	1989	1986
500	263	5850	263	-5.6	7.6	-14.7	152	-15.9	236	295	8.0	10.2	19.76	1.95	1989	1985
450	257	6667	257	-9.5	2.6	-18.7	106	-20.5	222	290	9.3	11.6	32.37	2.15	1989	1987
400	254	7573	254	-14.5	-1.9	-23.7	74	-25.0	213	282	11.1	13.5	33.92	2.61	1990	1987
350	249	8573	248	-20.5	-8.3	-30.1	45	-29.3	203	274	12.6	15.0	41.61	2.65	1990	1987
300	241	9700	239	-27.5	-15.1	-38.1	27	-34.6	193	263	15.1	17.3	57.94	2.94	1990	1987
250	218	10985	218	-36.4	-26.5	-46.9	4	-40.2	175	253	17.6	19.8	70.26	2.86	1990	1983
200	193	12492	193	-47.1	-38.1	-57.3			148	250	19.3	21.3	89.01	2.46	1990	1982
175	162	13361	162	-53.1	-41.1	-64.7			126	247	18.8	20.6	95.01	2.24	1990	1982
150	132	14350	132	-59.3	-49.1	-73.5			99	247	17.2	19.7	106.07	2.04	1990	1982
125	100	15474	100	-66.0	-54.3	-81.7			74	249	12.5	15.8	114.97	2.30	1984	1982
100	76	16816	76	-70.7	-61.1	-78.1			57	241	5.7	12.9	143.44	3.39	1985	1982
80	59	18126	59	-70.0	-51.5	-77.3			45	139	2.3	10.4	192.31	2.62	1982	1989
70	53	18931	53	-66.1	-53.9	-74.7			39	108	5.4	10.9	214.28	2.80	1982	1982
60	46	19861	46	-60.8	-46.1	-71.5			34	089	6.0	9.6	230.58	2.12	1987	1982
50	44	20989	44	-55.7	-40.5	-70.1			31	078	9.0	10.5	247.60	2.59	1987	1982
40	40	22428	40	-50.6	-31.3	-63.9			27	088	9.6	10.4	226.81	2.72	1987	1990
30	37	24288	37	-46.4	-36.7	-60.1			23	086	10.2	11.6	254.34	2.73	1989	1990
25	35	25481	35	-43.9	-35.3	-57.9			21	076	9.0	10.4	271.56	1.47	1989	1990
20	30	26984	30	-42.2	-34.1	-55.1			19	099	8.9	10.5	323.00	2.12	1989	1990
15	24	28945	24	-40.2	-32.1	-57.5			16	099	7.9	9.7	346.59	3.27	1989	1990
10	14	31679	14	-37.7	-32.1	-44.1			7	074	5.6	9.8			1989	1990
7	2	33885	2	-38.5	-38.5	-38.5			1	070	8.0	8.0			1983	1983

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N P ALT

N P ALT T

N P ALT T

263 569 481

58 096 1703 -72.6

NORMALS OF RADIOSONDE DATA

42779 PENDRA

JUNE 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	303	931	303	25.7	31.8	21.0	303	19.6	303	295	0.4	1.4	1.26	0.83	1986	1981
<i>1000</i>	247	-1											12.72			
<i>950</i>	247	418											14.33			
<i>900</i>	247	925	247	25.4	33.4	18.4	245	17.4	213	298	4.1	6.5	12.58	1.25	1983	1989
<i>850</i>	247	1426	247	23.3	30.0	14.6	244	14.6	213	316	5.2	7.4	12.86	1.37	1990	1982
<i>800</i>	247	1952	247	20.2	25.8	11.8	244	11.9	212	324	5.4	7.4	12.98	1.05	1990	1982
<i>750</i>	247	2501	247	16.6	22.2	9.6	243	9.2	204	331	5.0	7.0	13.86	0.99	1988	1988
<i>700</i>	246	3089	246	12.7	20.0	4.4	240	6.0	204	336	5.4	7.4	14.82	1.15	1990	1982
<i>650</i>	243	3694	242	8.8	18.8	-0.9	235	2.6	192	335	5.2	7.5	20.50	1.45	1988	1982
<i>600</i>	238	4364	237	4.9	14.0	-5.5	224	-1.5	182	327	4.6	6.9	16.86	1.55	1990	1982
<i>550</i>	236	5087	236	1.3	10.4	-7.5	207	-5.0	170	323	3.4	6.3	23.96	1.62	1990	1982
<i>500</i>	233	5832	232	-2.2	6.2	-12.1	191	-9.0	167	329	2.4	6.4	23.53	1.55	1990	1983
<i>450</i>	229	6669	228	-5.9	4.2	-17.1	170	-13.8	150	350	0.7	6.2	35.06	1.61	1990	1983
<i>400</i>	224	7579	224	-10.6	-1.3	-20.9	144	-18.8	147	353	0.8	6.4	32.99	1.58	1988	1983
<i>350</i>	220	8598	220	-16.5	-6.9	-24.3	125	-25.6	142	053	1.0	6.5	38.16	1.60	1990	1987
<i>300</i>	213	9739	213	-23.9	-13.9	-30.9	86	-32.6	138	092	1.5	7.6	46.31	1.62	1990	1982
<i>250</i>	200	11049	200	-33.4	-24.9	-42.7	45	-41.3	125	122	2.9	8.3	56.03	1.68	1990	1982
<i>200</i>	181	12570	181	-45.6	-35.5	-55.1	4	-52.2	111	120	5.3	10.2	64.85	2.20	1990	1982
<i>175</i>	152	13450	152	-52.6	-43.1	-62.5	1	-56.9	89	110	7.3	11.7	79.40	2.65	1990	1982
<i>150</i>	129	14423	129	-60.2	-49.9	-70.5			81	101	9.8	13.6	86.94	2.87	1990	1981
<i>125</i>	96	15529	96	-68.6	-57.1	-78.5			64	098	11.5	14.2	98.47	2.78	1990	1987
<i>100</i>	73	16828	73	-75.0	-64.5	-87.1			51	094	15.2	16.6	120.09	3.41	1988	1987
<i>80</i>	61	18124	61	-73.3	-63.7	-83.5			46	085	16.7	17.5	137.06	4.28	1988	1987
<i>70</i>	56	18941	56	-68.7	-59.3	-79.1			43	087	16.1	17.1	149.39	3.86	1983	1982
<i>60</i>	53	19855	53	-62.5	-48.5	-73.1			40	084	15.3	16.2	144.49	5.35	1982	1979
<i>50</i>	48	20989	48	-55.7	-45.1	-65.5			37	084	17.5	18.4	144.03	4.84	1989	1987
<i>40</i>	41	22425	41	-50.8	-34.7	-60.1			30	085	17.0	17.9	152.53	4.65	1986	1984
<i>30</i>	31	24368	31	-45.1	-35.3	-55.3			23	087	17.1	17.6	182.22	4.24	1986	1984
<i>25</i>	25	25607	25	-42.6	-30.3	-52.1			17	082	18.0	18.6	220.83	5.81	1986	1984
<i>20</i>	16	27107	16	-41.0	-33.7	-48.5			13	085	20.8	21.8			1990	1984
<i>15</i>	12	29077	12	-38.8	-30.1	-44.3			9	086	23.3	23.9			1988	1984
<i>10</i>	5	32037	5	-35.6	-32.1	-37.9			4	084	26.3	27.0			1988	1982
<i>7</i>	3	34654	3	-32.6	-31.7	-33.1			3	078	21.3	21.3			1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
232	532	534					62	099	1698	-77.0

NORMALS OF RADIOSONDE DATA

42779 PENDRA

JULY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	330	932	330	23.9	32.2	21.4	330	22.2	330	250	0.4	1.2	0.91	0.37	1980	1985
1000	296	7											7.63			
950	294	421											14.27			
900	295	930	295	23.0	31.0	18.6	294	20.4	242	284	3.6	5.7	8.81	0.98	1987	1988
850	295	1427	295	20.6	29.8	14.4	294	17.5	243	295	4.8	7.1	8.01	0.97	1987	1986
800	295	1949	295	17.8	28.0	12.6	294	14.8	243	304	4.3	6.8	9.25	1.20	1988	1982
750	295	2499	295	14.8	25.2	9.8	293	11.9	237	307	3.3	6.1	15.12	1.69	1988	1984
700	295	3079	295	11.8	22.0	6.4	293	8.6	235	314	2.6	6.0	9.75	1.72	1988	1984
650	290	3690	289	8.7	18.2	2.6	286	4.8	217	311	1.3	5.7	17.90	1.82	1988	1984
600	290	4355	288	5.5	14.8	-1.3	284	1.0	204	341	0.3	5.2	16.14	2.05	1988	1985
550	285	5082	284	2.0	11.8	-5.7	277	-2.8	190	082	0.8	5.4	23.75	1.68	1988	1982
500	280	5827	279	-1.7	8.4	-10.9	272	-6.9	182	098	2.0	5.8	26.78	1.69	1988	1982
450	275	6663	275	-5.7	4.8	-11.7	264	-11.6	173	101	3.2	5.8	37.76	1.81	1988	1985
400	271	7575	271	-10.6	-0.3	-17.9	247	-17.4	166	097	4.6	6.4	37.82	1.80	1990	1984
350	264	8592	264	-16.5	-7.5	-24.1	215	-24.0	156	093	6.2	7.6	47.17	1.74	1988	1982
300	254	9738	253	-23.6	-13.1	-31.5	165	-31.6	149	093	8.0	9.2	54.53	2.14	1990	1981
250	234	11045	234	-33.0	-25.1	-41.9	85	-40.8	138	087	10.9	11.8	58.09	1.99	1990	1985
200	210	12559	210	-45.7	-39.5	-55.1	13	-50.1	127	082	15.7	16.6	61.23	1.99	1988	1985
175	187	13436	187	-53.0	-45.5	-63.1	4	-55.5	113	082	18.5	19.4	67.37	2.31	1990	1984
150	150	14416	150	-60.9	-51.5	-71.9			99	080	20.8	22.2	72.56	2.55	1985	1983
125	109	15510	108	-69.3	-58.1	-80.5			80	081	23.7	25.3	81.05	3.10	1990	1982
100	79	16806	78	-75.0	-65.9	-84.1			62	085	25.0	26.5	110.06	2.96	1986	1981
80	61	18099	61	-71.9	-59.7	-81.3			53	084	22.2	23.0	168.10	2.61	1982	1981
70	54	18909	54	-67.4	-49.9	-79.5			47	086	21.9	23.8	184.87	2.82	1982	1981
60	43	19822	43	-63.0	-45.1	-77.9			37	082	22.6	23.2	192.91	3.66	1982	1981
50	42	20959	42	-58.3	-41.9	-75.9			35	085	22.2	22.7	205.25	3.65	1982	1981
40	38	22361	38	-53.6	-43.7	-72.1			33	084	23.2	23.8	220.40	3.31	1988	1981
30	29	24249	29	-48.2	-37.7	-55.7			24	087	22.3	25.0	227.81	2.94	1982	1984
25	22	25470	22	-45.6	-38.1	-50.5			18	091	25.5	26.2	210.27	1.95	1982	1981
20	18	26960	18	-43.7	-38.1	-50.1			14	086	25.0	25.8			1982	1987
15	10	28948	10	-40.7	-34.7	-45.1			7	075	25.7	26.4			1988	1988
10	4	31530	4	-41.2	-38.7	-43.1			3	085	32.3	32.3			1984	1982
7	2	34026	2	-39.6	-38.9	-40.3			1	073	44.0	44.0			1988	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
284	523	547					67	103	1673	-76.4

NORMALS OF RADIOSONDE DATA

42779 PENDRA

AUGUST 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	363	932	363	23.5	28.4	20.0	363	22.1	363	308	0.3	1.3	1.04	0.27	1985	1985
1000	318	10											11.16			
950	318	424											15.88			
900	318	932	318	22.3	28.0	17.2	317	20.5	237	307	2.8	6.2	10.68	0.71	1990	1985
850	318	1427	318	20.0	28.2	12.0	317	17.9	239	314	3.0	7.1	10.59	0.93	1989	1986
800	318	1948	317	17.4	27.6	7.8	315	15.2	239	321	2.6	7.1	10.67	1.02	1989	1986
750	318	2498	317	14.7	25.2	4.6	314	12.2	227	331	1.5	6.5	11.15	1.08	1989	1986
700	318	3078	316	11.9	22.2	2.0	314	8.5	223	022	1.0	6.6	13.17	1.25	1989	1986
650	313	3687	312	9.0	18.0	0.6	308	4.9	210	055	0.8	6.5	18.14	1.36	1989	1986
600	308	4354	306	5.9	14.2	-1.1	301	1.0	197	087	1.5	6.5	17.95	1.38	1990	1986
550	302	5079	300	2.5	10.8	-3.9	290	-3.1	183	096	2.2	6.1	23.82	1.22	1990	1989
500	299	5828	297	-1.3	7.8	-8.9	280	-7.6	178	098	4.0	7.3	24.14	1.26	1990	1980
450	296	6664	296	-5.5	7.0	-16.7	274	-12.9	173	098	4.0	7.0	31.05	1.49	1982	1981
400	291	7578	290	-10.6	-0.7	-17.9	256	-18.8	170	095	4.7	7.3	33.16	1.54	1989	1986
350	281	8589	281	-16.6	-7.5	-24.5	227	-25.3	159	098	6.4	8.4	35.34	1.61	1984	1986
300	269	9739	268	-23.9	-14.3	-33.1	166	-32.8	156	096	8.3	9.8	45.88	1.71	1988	1986
250	252	11047	252	-33.3	-25.7	-43.5	79	-41.2	136	084	9.6	10.7	54.94	1.81	1990	1982
200	215	12578	215	-45.6	-38.7	-57.5	11	-50.2	119	077	12.6	13.8	64.09	2.13	1988	1982
175	193	13450	193	-52.9	-44.1	-65.1	3	-57.2	108	075	12.3	14.1	83.19	2.79	1990	1982
150	155	14429	155	-60.8	-50.1	-73.7			78	071	14.4	16.1	98.69	3.06	1989	1987
125	105	15541	105	-68.5	-57.5	-76.9			51	076	18.2	19.2	109.10	3.07	1989	1979
100	76	16816	76	-74.4	-62.5	-83.9			41	081	21.7	23.1	105.79	2.98	1989	1982
80	57	18112	57	-70.2	-56.9	-80.9			30	083	23.3	23.8	145.05	2.89	1989	1982
70	48	18905	48	-66.0	-53.5	-78.5			24	085	20.7	21.2	151.11	2.60	1981	1981
60	41	19859	41	-61.8	-50.9	-75.1			21	089	19.9	20.3	149.29	3.13	1989	1981
50	39	20986	39	-56.8	-46.3	-71.1			21	084	18.3	18.8	176.25	4.72	1989	1981
40	33	22422	33	-52.4	-42.5	-66.1			18	085	20.1	20.5	184.29	3.33	1981	1981
30	22	24299	22	-48.5	-40.9	-58.1			11	081	28.8	29.5	271.06	4.51	1989	1984
25	19	25477	19	-46.6	-36.7	-56.7			9	091	25.8	27.1			1989	1984
20	10	26921	10	-45.6	-36.1	-55.1			6	083	33.8	34.3			1989	1984
15	2	28989	2	-39.0	-35.5	-42.5			1	083	24.0	24.0			1989	1984
10																
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

295 517 556

61 102 1678 -76.4

NORMALS OF RADIOSONDE DATA

42779 PENDRA

SEPTEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	327	936	227	22.7	27.8	17.8	327	21.2	326	300	0.1	1.1	0.82	0.51	1985	1982
1000	298	50											9.22			
950	298	458											13.41			
900	298	968	298	22.1	28.8	15.6	298	19.0	242	314	1.8	5.1	8.31	0.61	1989	1986
850	298	1464	298	19.5	26.2	13.4	296	15.6	242	322	2.4	5.9	8.34	1.03	1988	1983
800	298	1984	298	17.0	24.8	11.2	296	11.8	243	332	2.7	6.0	9.12	1.15	1988	1987
750	298	2522	297	14.0	23.0	8.4	293	7.9	241	334	2.5	5.7	11.37	1.20	1988	1984
700	298	3110	297	10.8	19.8	4.8	292	4.4	240	332	2.0	5.1	12.19	1.27	1988	1982
650	295	3710	293	7.5	13.4	1.8	285	0.9	232	315	1.3	5.1	17.72	1.36	1988	1983
600	292	4375	291	4.3	12.6	-1.9	270	-1.9	229	246	1.1	5.2	16.96	1.36	1988	1987
550	290	5099	288	1.0	9.0	-6.5	256	-5.7	226	193	1.3	5.2	21.53	1.34	1988	1987
500	288	5845	287	-2.7	5.8	-9.9	242	-10.2	224	177	1.2	5.3	22.49	1.31	1988	1987
450	285	6676	285	-7.1	2.0	-16.1	219	-15.0	219	134	1.2	5.5	29.07	1.39	1988	1988
400	282	7585	282	-12.3	-1.9	-28.1	194	-20.7	215	111	1.4	5.5	31.17	1.45	1988	1987
350	278	8596	278	-18.4	-6.9	-26.9	160	-26.8	214	116	1.8	6.1	35.25	1.71	1988	1979
300	267	9734	267	-25.7	-14.9	-35.3	114	-34.2	205	118	2.2	6.3	43.95	1.76	1988	1982
250	260	11030	260	-35.3	-24.3	-44.9	44	-42.7	201	115	2.8	7.3	53.72	1.94	1988	1982
200	237	12546	237	-47.5	-37.3	-59.9	4	-50.9	177	100	4.6	9.2	64.09	2.24	1988	1981
175	201	13416	201	-54.7	-44.1	-63.5			152	102	5.1	9.9	67.62	2.23	1987	1982
150	159	14384	159	-62.6	-51.9	-71.3			124	096	7.6	12.1	71.03	2.65	1988	1990
125	106	15475	106	-70.6	-58.3	-79.9			86	099	9.0	11.8	92.88	2.64	1990	1990
100	78	16787	78	-75.4	-59.1	-87.7			60	093	8.7	10.0	134.39	2.90	1981	1990
80	58	18099	58	-71.2	-59.1	-81.1			48	083	9.2	10.4	121.75	4.06	1990	1982
70	54	18895	54	-66.4	-55.9	-74.9			43	077	9.3	10.5	150.19	3.65	1990	1982
60	52	19838	52	-61.1	-50.3	-69.1			41	061	11.4	12.5	156.54	2.93	1981	1985
50	49	20978	49	-56.1	-42.5	-64.1			38	084	12.6	14.0	232.85	4.22	1981	1986
40	37	22402	37	-52.1	-36.5	-59.5			27	080	13.5	15.9	264.20	4.95	1981	1982
30	28	24300	28	-47.4	-36.9	-59.1			18	081	15.0	17.7	278.61	5.01	1990	1982
25	22	25485	22	-45.4	-33.7	-58.9			14	060	15.1	19.0	363.61	4.72	1990	1982
20	19	26962	19	-43.3	-36.3	-57.9			13	091	16.7	20.3			1982	1982
15	11	28868	11	-42.7	-33.3	-56.1			6	068	18.7	19.8			1987	1982
10	5	31507	5	-42.5	-39.5	-46.1			1	064	29.0	29.0			1982	1986
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
283	623	527					66	105	1649	-76.0

NORMALS OF RADIOSONDE DATA

42779 PENDRA

OCTOBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	354	941	354	19.2	28.0	13.0	353	15.6	354	357	0.3	0.6	0.87	0.80	1979	1983
1000	334	100											8.03			
950	333	507											16.26			
900	333	1007	333	20.5	28.0	12.8	330	12.2	311	002	2.1	4.6	8.77	1.23	1989	1983
850	333	1499	333	18.4	26.6	10.0	328	8.1	312	355	2.8	5.3	8.75	1.30	1989	1983
800	333	2016	333	15.2	25.2	6.0	318	4.5	310	349	3.7	6.2	8.72	1.33	1988	1985
750	333	2555	333	11.9	22.0	3.4	291	1.5	306	344	4.1	6.4	11.86	1.39	1980	1985
700	333	3132	333	8.9	18.2	-0.5	251	-1.1	306	333	3.6	6.2	12.51	1.49	1988	1988
650	329	3735	329	6.1	15.0	-5.1	200	-3.7	297	316	2.7	5.9	17.08	1.74	1988	1980
600	327	4393	327	3.1	13.2	-7.3	168	-6.4	292	290	2.8	6.0	17.77	1.73	1990	1980
550	327	5108	327	-0.3	7.4	-10.7	143	-9.7	291	278	3.8	6.8	23.08	1.63	1988	1980
500	325	5850	325	-4.4	5.0	-13.5	116	-13.7	289	268	5.0	7.8	25.86	1.85	1990	1979
450	322	6674	322	-8.9	8.4	-16.7	94	-18.1	282	262	6.8	9.4	33.46	1.97	1985	1979
400	315	7578	315	-14.3	-1.1	-22.9	77	-23.9	268	258	8.2	10.5	40.71	2.22	1990	1979
350	310	8577	310	-20.5	-10.1	-29.3	55	-29.1	257	255	9.9	11.8	46.70	2.15	1989	1979
300	307	9704	306	-27.9	-19.1	-37.5	35	-35.8	253	252	11.7	13.8	58.13	2.23	1988	1979
250	298	10990	298	-37.2	-22.9	-48.3	8	-41.4	248	248	13.5	15.7	70.87	2.39	1984	1982
200	269	12495	269	-49.1	-40.5	-65.5			224	244	14.0	16.7	92.30	2.81	1989	1984
175	238	13356	237	-55.8	-43.9	-68.1			201	242	13.3	16.0	104.88	3.16	1990	1982
150	210	14317	209	-63.0	-50.1	-74.5			177	237	11.9	14.3	123.90	3.15	1989	1981
125	147	15414	146	-70.0	-60.1	-81.3			123	234	8.3	11.3	155.94	3.06	1986	1981
100	102	16695	102	-74.2	-63.5	-82.7			87	218	4.4	8.6	160.14	3.09	1984	1981
80	84	17977	84	-70.9	-56.1	-84.3			67	105	2.9	6.9	151.86	2.93	1984	1981
70	78	18785	78	-66.9	-55.7	-80.3			59	073	4.4	6.0	133.65	3.16	1985	1981
60	74	19705	74	-62.5	-51.5	-71.5			54	071	5.4	6.6	140.78	4.34	1985	1981
50	67	20853	67	-57.5	-50.1	-64.5			53	077	6.9	7.6	148.27	2.88	1988	1980
40	57	22279	57	-52.9	-46.1	-59.1			42	078	7.7	8.5	155.23	2.84	1986	1980
30	43	24155	43	-47.6	-39.7	-55.3			33	091	9.4	10.6	125.35	3.27	1982	1983
25	35	25361	35	-44.7	-36.5	-53.3			25	091	10.4	11.1	142.18	3.71	1982	1983
20	15	26836	15	-43.9	-36.7	-50.7			12	079	10.9	11.7			1983	1983
15	9	28831	9	-41.8	-36.9	-47.7			7	075	11.0	12.8			1986	1983
10	4	31549	4	-40.9	-36.9	-43.3			3	083	13.1	14.0			1986	1983
7	1	33830	1	-44.5	-44.5	-44.5			1	074	22.9	23.0			1983	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
326	558	500					91	106	1640	-75.8

NORMALS OF RADIOSONDE DATA

42779 PENDRA

NOVEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	350	944	350	14.9	22.2	9.4	350	9.9	350	360	0.4	0.5	1.00	1.44	1981	1982
<i>1000</i>	314	137											10.07			
<i>950</i>	314	540											14.04			
<i>900</i>	314	1031	314	17.2	26.0	5.4	312	5.8	305	013	3.1	4.6	8.53	1.47	1989	1988
<i>850</i>	314	1517	314	15.0	25.0	2.8	300	2.3	306	358	3.1	5.1	9.38	1.71	1990	1988
<i>800</i>	314	2028	314	12.3	22.0	4.2	244	0.1	306	342	3.1	5.3	10.65	1.66	1989	1985
<i>750</i>	314	2569	314	10.0	20.0	1.0	177	-1.7	306	325	3.6	5.7	15.58	1.49	1989	1984
<i>700</i>	314	3137	314	7.8	17.6	-1.5	129	-4.6	306	305	4.2	6.0	14.52	1.42	1989	1984
<i>650</i>	313	3740	313	5.1	19.0	-4.9	95	-7.0	301	290	4.9	6.8	20.58	1.36	1982	1983
<i>600</i>	312	4393	312	1.9	11.8	-6.5	72	-10.2	298	283	6.4	8.1	19.73	1.44	1990	1989
<i>550</i>	312	5100	311	-1.9	7.8	-10.1	53	-12.8	291	282	8.1	9.9	25.88	1.57	1990	1989
<i>500</i>	310	5842	309	-6.4	2.6	-15.1	48	-17.5	288	279	10.5	12.3	26.52	1.78	1990	1989
<i>450</i>	308	6653	308	-11.3	-1.1	-21.1	43	-22.0	285	278	13.2	15.0	36.09	1.88	1990	1989
<i>400</i>	306	7552	306	-17.0	-5.9	-30.5	35	-27.3	281	274	16.4	18.0	38.97	1.80	1990	1987
<i>350</i>	304	8541	304	-23.3	-12.5	-34.7	24	-32.3	271	271	20.0	21.9	42.45	1.60	1990	1989
<i>300</i>	295	9653	295	-30.6	-19.5	-39.5	13	-38.5	260	266	23.6	25.7	52.84	1.56	1990	1983
<i>250</i>	283	10928	283	-39.6	-28.3	-49.1	3	-46.2	245	259	26.5	29.2	58.91	1.83	1990	1983
<i>200</i>	265	12418	265	-50.6	-38.7	-61.1			233	254	27.6	29.8	67.50	2.22	1989	1983
<i>175</i>	227	13269	227	-56.9	-45.9	-66.5			195	254	26.5	28.7	84.97	2.55	1989	1982
<i>150</i>	177	14232	177	-63.4	-52.1	-73.3			154	257	22.9	24.7	93.46	2.80	1986	1982
<i>125</i>	127	15332	127	-69.7	-55.5	-83.9			111	261	17.8	20.4	106.63	3.73	1986	1979
<i>100</i>	92	16656	92	-73.5	-59.3	-85.7			76	272	11.5	15.7	159.57	3.80	1986	1979
<i>80</i>	76	17951	76	-71.9	-57.9	-82.9			60	288	5.1	12.5	204.61	3.52	1988	1988
<i>70</i>	72	18752	72	-68.6	-53.9	-80.1			52	315	2.8	10.5	223.74	3.36	1988	1979
<i>60</i>	67	19678	67	-64.2	-50.5	-76.3			45	328	1.1	10.4	229.12	3.99	1988	1979
<i>50</i>	59	20817	59	-58.3	-49.1	-70.1			32	085	2.3	9.1	275.48	4.15	1988	1986
<i>40</i>	46	22264	46	-53.3	-45.5	-69.3			25	010	1.3	8.5	270.09	4.93	1988	1986
<i>30</i>	37	24170	37	-48.6	-38.3	-65.9			22	105	3.5	8.1	276.12	4.48	1988	1986
<i>25</i>	32	25380	32	-45.7	-36.1	-61.7			18	096	6.0	8.3	283.52	4.40	1988	1986
<i>20</i>	20	26963	20	-42.1	-35.9	-51.5			13	124	4.6	9.0			1982	1982
<i>15</i>	12	29088	12	-39.8	-31.9	-46.1			10	100	2.9	5.9			1990	1989
<i>10</i>	9	31825	9	-38.5	-31.9	-42.3			8	240	4.1	8.4			1990	1989
<i>7</i>	3	34200	3	-37.1	-35.1	-38.1			3	236	8.5	9.0			1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
311	574	475	1	155	1373	-64.5	85	105	1645	-74.9

NORMALS OF RADIOSONDE DATA

42779 PENDRA

DECEMBER 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	362	945	362	12.1	19.8	7.0	362	7.6	362	350	0.2	0.6	1.08	0.62	1987	1983
1000	329	153											9.13			
950	329	546											12.30			
900	329	1038	328	14.9	25.0	6.2	322	3.1	313	354	2.0	4.5	8.61	1.22	1988	1988
850	329	1521	329	13.5	24.4	6.2	282	0.0	313	315	2.7	5.2	9.63	1.34	1987	1979
800	329	2029	329	11.4	21.2	4.2	229	-2.8	313	300	3.8	5.8	10.49	1.62	1987	1979
750	329	2564	329	9.4	21.4	1.2	165	-5.2	312	296	4.8	6.5	18.67	1.80	1990	1981
700	329	3134	329	6.9	20.8	-2.5	123	-7.2	315	286	6.4	8.1	14.35	1.78	1990	1986
650	328	3730	328	4.0	16.4	-5.3	100	-10.9	312	283	7.9	9.5	21.35	1.79	1990	1983
600	327	4387	327	0.7	12.2	-8.9	80	-13.5	310	280	9.8	11.5	19.02	1.86	1988	1981
550	324	5091	324	-3.2	9.0	-11.9	62	-17.0	304	278	11.5	13.2	28.76	1.92	1988	1979
500	319	5829	319	-7.7	4.2	-16.5	54	-21.4	296	277	14.0	15.6	28.16	1.97	1988	1979
450	317	6639	317	-12.7	-2.9	-23.5	40	-24.7	287	274	17.4	19.2	38.34	1.97	1984	1986
400	311	7530	311	-18.5	-6.9	-27.7	30	-29.3	276	272	20.7	22.6	38.67	1.89	1984	1988
350	304	8513	303	-24.8	-14.9	-35.9	19	-34.5	264	269	24.4	26.1	40.85	1.97	1990	1988
300	292	9618	291	-32.3	-22.5	-45.7	8	-41.8	246	266	28.0	30.1	55.68	2.14	1982	1988
250	279	10881	279	-41.2	-27.9	-51.7	1	-51.3	230	262	32.6	35.8	67.77	2.52	1989	1990
200	244	12359	244	-51.9	-40.5	-62.5			199	258	33.4	36.5	86.78	2.96	1989	1981
175	210	13212	210	-57.5	-46.3	-68.1			165	257	32.0	34.4	93.12	2.81	1990	1988
150	172	14167	172	-62.4	-51.1	-71.5			130	260	31.4	33.4	114.22	3.21	1989	1983
125	126	15264	126	-68.0	-56.3	-76.9			98	261	28.0	29.8	141.37	3.59	1988	1982
100	101	16595	101	-71.8	-60.1	-80.1			79	263	21.3	23.5	163.15	2.90	1988	1982
80	87	17902	87	-71.2	-57.9	-79.3			60	268	15.6	18.8	168.88	2.92	1988	1982
70	84	18717	84	-68.9	-54.1	-78.5			55	271	10.6	14.9	192.13	3.62	1988	1982
60	79	19641	79	-65.0	-50.1	-76.1			48	274	9.5	12.9	190.00	3.77	1988	1982
50	73	20772	73	-60.0	-46.9	-73.7			42	264	4.6	11.0	198.50	4.20	1987	1982
40	61	22188	61	-54.6	-39.5	-68.9			30	272	5.5	10.9	182.94	5.31	1987	1979
30	51	24079	51	-49.3	-32.1	-61.5			24	241	2.3	12.7	180.54	4.18	1987	1980
25	43	25276	43	-47.0	-35.5	-58.7			19	210	3.2	16.1	171.56	4.61	1980	1980
20	23	25836	23	-44.7	-33.5	-50.3			14	098	4.7	12.1	196.54	2.46	1988	1984
15	14	28706	14	-43.0	-37.1	-47.1			11	101	3.5	14.5			1988	1984
10	7	31422	7	-42.0	-33.9	-47.1			6	231	7.7	17.2			1988	1988
7	5	33770	5	-40.2	-36.5	-43.1			4	254	8.8	22.0			1984	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

325 592 451

1 175 1308 -62.7

91 102 1652 -73.1

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1003	620	23.4	27.0	17.0	620	20.7	620	052	1.7	1.9	0.95	0.77	1971	1974
<i>1000</i>	531	106	516	23.2	27.0	17.0	516	20.4	516	053	1.8	2.0	7.35	0.86	1971	1974
<i>950</i>	531	547	531	21.2	28.0	16.0	531	16.9	531	059	5.2	5.8	11.55	0.77	1987	1974
<i>900</i>	531	1020	531	18.6	27.2	13.6	528	12.5	531	078	5.1	6.0	8.03	0.93	1989	1986
<i>850</i>	531	1509	531	16.0	25.4	9.0	512	7.4	530	089	4.5	5.8	8.44	1.01	1989	1976
<i>800</i>	531	2023	531	13.8	22.2	8.0	446	2.4	529	094	3.8	5.4	9.08	0.96	1989	1974
<i>750</i>	531	2563	531	11.6	20.0	5.2	356	-2.0	529	094	3.2	5.0	10.17	0.96	1989	1980
<i>700</i>	531	3138	531	9.1	15.8	-2.0	267	-5.5	531	092	2.4	4.7	10.19	0.81	1989	1976
<i>650</i>	523	3750	522	6.1	16.6	1.2	204	-8.5	523	094	2.1	4.9	12.87	0.75	1983	1980
<i>600</i>	521	4400	520	2.7	10.2	-3.0	153	-10.9	521	084	1.7	5.1	11.50	0.80	1988	1977
<i>550</i>	513	5099	512	-1.2	5.8	-10.7	134	-14.4	513	072	1.7	5.6	14.43	0.86	1989	1980
<i>500</i>	507	5853	507	-5.5	0.4	-11.0	113	-18.2	506	061	1.1	6.3	14.42	0.95	1987	1978
<i>450</i>	500	5671	500	-10.2	-3.1	-15.1	82	-22.5	500	072	0.4	6.8	16.76	1.06	1988	1982
<i>400</i>	498	7571	498	-15.9	-7.1	-21.7	59	-27.0	498	232	0.3	7.3	21.28	1.25	1987	1982
<i>350</i>	486	6564	486	-22.7	-14.9	-29.0	46	-33.4	486	236	1.4	8.1	24.29	1.36	1989	1971
<i>300</i>	470	9681	470	-31.0	-22.3	-39.0	30	-39.5	468	227	3.1	8.6	31.53	1.53	1988	1977
<i>250</i>	447	10948	446	-41.3	-29.0	-53.0	3	-45.3	446	220	4.9	9.7	38.52	1.73	1973	1974
<i>200</i>	409	12424	408	-53.7	-44.3	-62.0			409	208	7.4	11.8	49.80	1.98	1989	1977
<i>175</i>	362	13268	362	-60.7	-51.1	-69.0			359	204	7.8	12.6	62.70	1.75	1989	1977
<i>150</i>	330	14211	330	-68.0	-58.7	-77.1			329	195	7.6	13.0	70.00	1.65	1989	1982
<i>125</i>	273	15288	273	-75.0	-66.0	-86.0			271	178	5.7	12.4	75.12	2.05	1973	1977
<i>100</i>	241	16563	241	-79.6	-70.0	-89.3			241	140	3.8	10.2	86.07	2.18	1977	1988
<i>80</i>	190	17837	189	-77.6	-64.7	-89.0			187	089	3.0	7.9	99.79	3.41	1988	1972
<i>70</i>	159	18620	159	-73.7	-58.9	-86.5			159	085	1.2	7.0	112.09	4.20	1987	1980
<i>60</i>	130	19539	130	-68.0	-56.1	-83.1			128	149	0.7	7.6	122.61	4.14	1989	1980
<i>50</i>	102	20663	102	-62.3	-45.9	-74.9			101	161	0.9	8.9	148.42	5.01	1986	1987
<i>40</i>	69	22101	69	-56.6	-45.1	-69.9			68	086	1.5	10.0	175.04	4.67	1989	1987
<i>30</i>	50	23979	50	-50.9	-37.1	-64.1			50	075	3.6	11.9	222.71	5.36	1989	1987
<i>25</i>	38	25187	38	-48.2	-33.7	-61.1			38	075	4.5	13.0	240.91	4.50	1989	1980
<i>20</i>	24	26663	24	-46.9	-35.1	-57.9			23	082	7.0	14.0	332.92	5.03	1988	1980
<i>15</i>	13	28499	13	-46.1	-33.5	-53.5			13	082	9.8	14.9			1987	1980
<i>10</i>	4	31131	4	-43.9	-41.5	-46.5			4	088	17.3	21.8			1988	1987
<i>7</i>	1	33991	1	-40.1	-40.1	-40.1			1	216	8.0	8.0			1988	1988

FREEZING LEVEL

N P ALT

517 564 489

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

228 100 1661 -81.7

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	1002	565	23.1	28.0	18.0	565	21.2	565	049	0.7	0.9	1.32	0.97	1985	1974
<i>1000</i>	471	100	435	23.0	27.0	18.0	435	20.9	435	051	0.8	0.9	11.57	1.04	1974	1972
<i>950</i>	471	542	471	21.8	27.0	15.0	470	15.8	471	052	4.0	4.8	12.65	0.95	1977	1974
<i>900</i>	471	1015	471	19.6	26.6	12.0	457	10.2	471	075	3.9	5.0	11.50	0.77	1986	1976
<i>850</i>	471	1506	471	17.0	22.2	11.0	442	5.8	471	091	3.8	5.1	11.68	0.84	1989	1972
<i>800</i>	471	2020	471	14.2	19.6	8.2	394	2.1	471	096	3.6	5.2	12.04	1.05	1988	1986
<i>750</i>	470	2562	469	11.6	17.8	4.4	330	-1.8	470	098	2.9	4.8	12.75	1.16	1988	1986
<i>700</i>	470	3136	469	9.0	16.0	1.0	252	-5.8	469	099	2.0	4.6	13.18	1.15	1988	1986
<i>650</i>	466	3750	464	5.9	12.0	-3.9	191	-8.7	465	097	1.3	4.7	16.27	1.22	1988	1982
<i>600</i>	463	4397	460	2.4	8.4	-6.0	158	-11.9	462	086	1.1	5.2	15.67	1.07	1989	1973
<i>550</i>	461	5097	460	-1.5	3.8	-9.5	138	-15.4	462	052	0.7	5.6	18.84	0.99	1989	1986
<i>500</i>	456	5849	454	-5.8	7.0	-13.1	106	-18.9	456	016	0.3	6.2	19.50	1.15	1974	1986
<i>450</i>	452	6668	451	-10.6	-5.0	-17.7	78	-23.5	452	291	0.3	7.1	22.57	1.10	1972	1983
<i>400</i>	447	7565	446	-16.3	-10.3	-23.0	48	-27.6	447	274	0.9	8.1	24.69	1.25	1987	1977
<i>350</i>	436	8558	435	-23.1	-16.0	-33.0	29	-32.5	436	256	1.5	8.8	28.02	1.39	1972	1978
<i>300</i>	425	9671	425	-31.3	-24.5	-39.0	16	-37.7	425	231	3.1	9.5	35.96	1.70	1983	1978
<i>250</i>	416	10935	416	-41.6	-33.3	-49.1	7	-44.6	416	219	5.0	10.5	43.55	1.89	1985	1985
<i>200</i>	400	12410	400	-54.0	-45.0	-64.5			400	209	6.3	11.7	55.12	2.18	1974	1979
<i>175</i>	364	13252	364	-61.1	-50.7	-72.5			361	206	6.8	12.8	64.33	2.46	1987	1979
<i>150</i>	329	14189	329	-68.1	-55.3	-77.7			327	202	5.9	12.1	73.66	2.31	1987	1979
<i>125</i>	289	15265	289	-75.1	-62.3	-83.5			286	184	4.4	11.9	85.93	2.31	1987	1979
<i>100</i>	256	16535	256	-79.9	-71.1	-90.9			254	146	2.0	9.4	99.32	2.45	1983	1979
<i>80</i>	208	17796	208	-77.8	-60.1	-90.1			205	257	0.6	7.2	113.19	2.70	1988	1982
<i>70</i>	186	18577	186	-73.5	-52.7	-86.9			184	263	3.0	7.2	119.06	2.54	1988	1982
<i>60</i>	154	19495	164	-58.0	-47.5	-78.1			161	263	3.8	8.5	130.50	2.67	1988	1982
<i>50</i>	134	20621	134	-62.4	-40.5	-73.0			134	279	2.0	9.6	134.83	3.21	1988	1973
<i>40</i>	99	22028	99	-57.5	-42.9	-70.5			98	085	1.8	12.0	151.50	2.87	1988	1987
<i>30</i>	70	23905	70	-52.1	-36.7	-66.3			70	092	6.1	14.1	173.76	3.43	1988	1987
<i>25</i>	49	25090	49	-50.3	-39.9	-69.1			49	089	9.3	16.9	236.27	4.22	1989	1982
<i>20</i>	31	26564	31	-47.3	-39.1	-58.3			31	089	9.6	15.2	202.17	1.24	1982	1982
<i>15</i>	19	28526	19	-45.3	-38.5	-52.5			19	098	7.0	13.5			1987	1988
<i>10</i>	7	31136	7	-43.7	-37.3	-48.1			7	060	3.7	13.7			1983	1988
<i>7</i>	1	33193	1	-44.1	-44.1	-44.1			1	212	6.0	6.0			1988	1988

FREEZING LEVEL

N	P	ALT
462	569	482

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
243	101	1651	-81.5

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	1002	619	23.8	28.6	19.6	619	22.1	619	046	0.3	0.4	0.87	0.58	1981	1985
<i>1000</i>	578	95	534	23.9	28.4	19.8	533	22.0	534	046	0.3	0.5	6.46	0.65	1985	1985
<i>950</i>	578	537	578	22.8	30.4	16.6	575	17.1	578	049	2.4	3.5	10.62	0.69	1986	1986
<i>900</i>	578	1014	578	21.0	29.0	14.0	568	10.6	578	072	2.8	4.2	7.59	0.65	1986	1986
<i>850</i>	578	1507	578	18.4	25.2	10.8	557	5.5	578	084	3.3	4.9	8.03	0.78	1986	1989
<i>800</i>	578	2024	578	15.3	22.8	6.6	523	1.8	578	089	3.7	5.3	9.02	0.89	1990	1989
<i>750</i>	578	2566	578	12.2	19.2	5.0	477	-1.9	578	093	3.6	5.3	10.29	1.00	1990	1989
<i>700</i>	577	3142	577	9.2	15.8	3.8	387	-5.5	576	094	3.1	4.9	11.43	1.00	1989	1981
<i>650</i>	564	3755	564	6.1	13.4	-0.1	292	-8.7	563	094	2.3	4.8	12.83	1.02	1989	1981
<i>600</i>	558	4404	558	2.7	10.4	-4.0	230	-11.7	558	093	1.7	4.7	15.09	1.05	1990	1977
<i>550</i>	553	5104	553	-1.1	6.8	-8.0	188	-15.3	550	091	0.9	4.9	18.16	1.12	1989	1977
<i>500</i>	547	5858	546	-5.4	4.0	-12.0	157	-19.2	545	115	0.3	5.6	19.64	1.21	1989	1974
<i>450</i>	540	6678	539	-10.1	0.2	-18.1	123	-23.6	538	252	0.4	6.4	22.90	1.28	1990	1981
<i>400</i>	530	7578	530	-15.7	-6.3	-23.0	81	-28.2	530	255	1.8	7.1	27.05	1.35	1990	1974
<i>350</i>	517	8572	517	-22.5	-13.1	-29.1	56	-33.8	517	248	3.0	7.8	31.34	1.57	1990	1989
<i>300</i>	504	9690	504	-30.6	-20.1	-38.0	36	-40.9	503	236	4.8	8.8	40.73	1.85	1990	1977
<i>250</i>	479	10958	479	-40.7	-29.1	-49.0	6	-47.7	477	226	6.2	9.8	49.04	1.99	1989	1977
<i>200</i>	445	12436	445	-53.0	-42.9	-63.0			444	218	7.4	11.5	55.44	1.96	1989	1977
<i>175</i>	414	13282	414	-60.0	-50.5	-70.0			413	214	6.9	12.2	63.33	2.18	1989	1977
<i>150</i>	390	14227	390	-67.2	-56.3	-79.0			390	203	6.1	12.1	71.27	2.27	1989	1978
<i>125</i>	347	15308	347	-74.2	-64.1	-90.0			343	193	4.0	11.0	85.29	2.47	1989	1978
<i>100</i>	306	16591	306	-79.3	-64.1	-89.5			306	158	1.2	9.3	98.86	2.33	1987	1983
<i>80</i>	256	17864	256	-78.1	-59.3	-90.1			252	063	0.8	7.9	105.96	2.54	1989	1979
<i>70</i>	229	18638	229	-74.2	-54.9	-86.7			228	321	0.6	7.5	109.89	2.38	1985	1979
<i>60</i>	196	19552	196	-69.2	-50.1	-81.5			196	286	2.1	8.1	115.46	2.90	1988	1988
<i>50</i>	161	20661	161	-63.5	-54.1	-77.0			161	274	2.1	10.0	131.30	3.00	1988	1978
<i>40</i>	121	22073	121	-57.7	-45.9	-73.0			121	050	0.2	11.2	148.74	3.23	1981	1978
<i>30</i>	93	23920	93	-52.2	-41.9	-65.0			93	091	3.5	11.8	175.29	3.37	1981	1978
<i>25</i>	75	25094	75	-49.9	-40.3	-64.1			74	101	6.6	13.8	199.69	4.79	1987	1980
<i>20</i>	53	26588	53	-47.2	-38.1	-57.9			53	096	7.3	12.7	186.95	3.53	1987	1987
<i>15</i>	30	28514	30	-44.4	-36.1	-55.3			30	096	8.9	14.7	221.84	3.57	1989	1987
<i>10</i>	14	31259	14	-41.7	-33.9	-51.3			13	096	10.7	15.0			1989	1988
<i>7</i>	2	33861	2	-40.6	-38.5	-42.7			2	093	19.5	20.0			1989	1989

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N	P	ALT	N	P	ALT	T	N	P	ALT	T
556	563	490	1	117	1570	-79.0	284	097	1678	-81.4

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	1000	600	25.5	29.2	21.6	600	23.9	600	219	0.1	0.4	0.81	0.41	1979	1979
<i>1000</i>	529	82	327	25.4	29.8	21.6	327	23.6	326	160	0.1	0.3	5.74	0.56	1987	1979
<i>950</i>	529	528	529	24.0	29.4	19.8	528	20.2	529	075	0.3	3.1	8.29	0.65	1990	1980
<i>900</i>	529	1005	529	21.8	28.4	15.8	525	15.1	528	115	1.1	3.3	6.49	0.68	1990	1980
<i>850</i>	529	1499	528	19.2	26.8	14.0	520	10.0	528	110	2.1	3.9	7.19	0.84	1990	1977
<i>800</i>	529	2019	528	16.3	26.0	11.0	507	5.7	528	101	2.9	4.5	7.78	0.98	1990	1989
<i>750</i>	529	2563	528	13.1	23.2	7.0	490	1.3	526	096	3.6	4.9	8.79	1.06	1990	1976
<i>700</i>	528	3141	527	9.8	19.4	4.6	453	-2.6	527	096	3.3	4.8	10.47	1.14	1990	1982
<i>650</i>	524	3755	524	6.5	15.6	-3.9	399	-6.0	523	098	2.7	4.5	10.91	1.14	1990	1983
<i>600</i>	518	4406	517	3.0	11.6	-4.3	346	-9.6	518	106	2.1	4.7	14.47	1.20	1990	1986
<i>550</i>	513	5107	512	-0.6	7.4	-8.5	287	-13.1	512	103	2.0	5.1	17.25	1.21	1990	1986
<i>500</i>	508	5863	508	-4.7	4.4	-12.5	227	-16.5	508	094	1.4	5.4	20.82	1.35	1990	1986
<i>450</i>	500	6685	499	-9.6	-0.5	-16.7	195	-21.1	497	074	1.0	5.8	23.79	1.43	1990	1986
<i>400</i>	494	7587	493	-15.1	-6.3	-22.9	157	-25.9	493	062	0.4	6.2	29.74	1.52	1990	1979
<i>350</i>	486	8584	485	-21.8	-11.9	-28.3	126	-31.9	483	266	0.6	6.6	36.42	1.77	1990	1979
<i>300</i>	477	9704	477	-29.8	-19.1	-37.9	81	-38.8	477	241	1.9	6.9	45.33	2.04	1990	1979
<i>250</i>	461	10976	461	-39.9	-30.1	-48.1	21	-44.9	461	225	3.3	7.4	55.76	2.15	1990	1979
<i>200</i>	439	12462	439	-52.2	-43.1	-60.5			438	213	4.9	8.9	69.65	2.33	1990	1979
<i>175</i>	406	13313	406	-59.2	-49.5	-67.1			405	206	4.6	8.9	76.96	2.31	1990	1979
<i>150</i>	374	14260	374	-66.5	-55.1	-78.1			372	195	3.9	8.9	85.65	2.47	1990	1979
<i>125</i>	323	15341	323	-73.9	-57.9	-83.0			323	155	2.8	8.3	96.01	2.61	1983	1978
<i>100</i>	291	16626	291	-79.5	-67.9	-90.1			288	100	3.7	8.3	113.04	2.70	1987	1979
<i>80</i>	240	17897	240	-77.4	-64.9	-88.5			239	096	4.0	7.9	126.79	2.59	1987	1979
<i>70</i>	214	18677	214	-72.7	-58.1	-82.7			213	084	3.2	7.5	134.83	2.71	1990	1988
<i>60</i>	183	19605	183	-66.9	-53.3	-77.7			182	088	2.0	8.4	153.50	2.98	1989	1979
<i>50</i>	149	20739	149	-60.9	-47.9	-72.0			149	102	2.7	9.8	175.56	3.32	1989	1972
<i>40</i>	111	22180	111	-54.8	-43.3	-66.5			110	088	4.7	10.4	162.26	2.75	1989	1988
<i>30</i>	76	24107	76	-48.9	-37.5	-60.5			76	093	8.6	12.9	179.52	2.98	1989	1988
<i>25</i>	63	25298	63	-46.5	-36.7	-57.1			63	094	9.7	14.3	161.17	2.69	1982	1988
<i>20</i>	53	26772	53	-43.7	-31.1	-56.5			53	091	10.5	15.5	181.63	3.46	1986	1982
<i>15</i>	31	28671	31	-42.0	-33.3	-52.7			31	089	7.6	15.0	227.76	3.11	1990	1982
<i>10</i>	10	31381	10	-39.4	-33.9	-47.1			10	085	10.4	16.0			1990	1988
<i>7</i>	2	33520	2	-44.4	-43.9	-44.9			2	093	13.7	15.0			1988	1988

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

513 557 500

268 097 1682 -81.2

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	998	619	26.0	29.4	22.0	619	24.3	619	231	1.7	2.1	1.00	0.49	1979	1972
1000	582	64	148	25.7	29.4	22.0	148	24.0	148	251	1.1	1.3	8.95	0.84	1979	1972
950	581	512	581	24.2	30.4	18.8	581	21.4	581	234	4.4	6.2	8.88	0.53	1990	1979
900	581	989	581	21.6	27.6	15.4	581	18.0	581	238	4.5	6.6	8.89	0.60	1990	1990
850	581	1483	581	18.9	26.0	12.2	581	14.3	581	237	4.0	6.4	9.34	0.67	1990	1990
800	581	2003	581	16.1	22.4	11.8	580	10.4	581	236	3.2	6.1	9.73	0.71	1986	1980
750	581	2546	581	13.2	19.4	8.0	578	6.3	580	239	2.5	6.1	9.63	0.81	1987	1972
700	581	3127	581	10.1	16.4	4.6	572	2.3	581	239	1.9	6.2	10.65	0.90	1990	1986
650	578	3740	578	6.7	12.6	0.8	559	-1.9	577	237	2.0	6.0	12.54	1.00	1990	1979
600	569	4394	569	3.1	8.8	-4.0	528	-5.4	569	236	2.3	6.2	13.46	1.06	1990	1977
550	561	5095	560	-0.5	5.6	-6.1	493	-9.1	560	230	2.3	6.2	16.14	1.07	1990	1979
500	553	5853	552	-4.6	2.2	-10.1	459	-12.8	553	225	2.1	6.1	17.83	1.16	1990	1979
450	542	6674	540	-9.1	-2.1	-15.3	427	-17.3	540	208	1.5	5.8	21.19	1.29	1986	1979
400	534	7580	531	-14.4	-7.1	-21.3	393	-22.7	532	173	1.4	5.8	24.71	1.51	1989	1979
350	508	8580	506	-21.0	-12.5	-29.3	336	-29.3	505	138	1.6	5.5	30.37	1.64	1986	1979
300	497	9705	497	-29.0	-20.3	-37.9	266	-37.0	496	122	2.4	6.0	37.35	1.92	1990	1979
250	477	10983	476	-39.1	-29.0	-49.1	87	-45.1	474	109	3.8	7.5	48.17	2.11	1973	1979
200	450	12471	449	-51.9	-41.9	-61.5			449	100	6.2	9.7	62.16	2.24	1990	1979
175	412	13323	412	-59.1	-48.9	-69.1			409	099	7.8	11.3	72.34	2.30	1990	1979
150	370	14273	370	-66.8	-56.5	-78.3			357	096	9.5	12.4	82.83	2.35	1990	1979
125	302	15357	302	-74.4	-62.7	-86.1			298	096	11.5	13.8	100.50	2.51	1980	1979
100	259	16633	259	-79.7	-68.1	-90.1			258	097	12.3	13.9	109.74	2.54	1980	1982
80	211	17900	211	-77.1	-59.7	-89.7			210	092	11.0	12.9	128.14	3.53	1980	1979
70	187	18684	187	-71.8	-51.7	-87.9			186	092	9.1	11.4	139.74	3.70	1980	1987
60	161	19618	161	-65.7	-43.3	-85.5			160	089	6.8	9.5	147.33	3.84	1980	1987
50	143	20744	143	-60.3	-42.1	-80.1			143	085	6.9	10.5	153.78	3.68	1990	1987
40	99	22162	99	-55.7	-38.7	-73.3			99	088	9.9	12.8	176.89	3.53	1990	1987
30	69	24030	69	-50.2	-38.3	-65.1			69	086	12.8	15.6	193.50	3.42	1988	1987
25	53	25211	53	-47.3	-36.7	-59.5			51	096	13.3	16.7	191.85	4.33	1982	1987
20	40	26720	40	-44.7	-33.1	-57.5			40	093	15.2	18.6	220.00	3.23	1987	1987
15	22	28650	22	-42.2	-31.3	-55.1			22	106	15.7	18.5	165.08	3.15	1988	1987
10	13	31360	13	-39.3	-35.5	-52.1			13	098	16.7	20.5			1987	1987
7	3	33884	3	-37.5	-34.1	-43.5			3	099	25.7	26.7			1985	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

565 557 500

243 100 1665 -81.2

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	998	500	26.1	31.0	22.0	600	24.1	600	228	4.7	5.0	0.84	0.42	1972	1972
<i>1000</i>	559	57	56	26.0	28.0	22.0	56	24.0	56	229	3.4	3.7	5.79	0.86	1971	1976
<i>950</i>	559	505	559	23.8	28.8	12.0	558	21.5	559	236	9.8	10.3	6.56	0.59	1987	1975
<i>900</i>	559	981	559	21.2	30.8	15.0	558	18.3	558	242	11.1	11.7	6.57	0.64	1990	1981
<i>850</i>	559	1476	559	18.6	29.8	13.2	558	14.9	558	246	10.5	11.2	7.03	0.69	1990	1989
<i>800</i>	559	1995	559	15.9	26.8	11.0	558	11.4	559	248	9.8	10.6	7.71	0.70	1990	1989
<i>750</i>	559	2539	559	13.1	23.2	6.0	557	7.6	559	250	9.1	10.1	8.55	0.76	1990	1974
<i>700</i>	559	3119	559	10.0	19.2	4.0	556	3.4	559	253	8.7	9.9	9.77	0.88	1990	1977
<i>650</i>	552	3733	551	6.5	14.6	0.0	546	-0.5	550	253	8.0	9.5	11.77	0.99	1990	1977
<i>600</i>	543	4386	541	2.9	10.6	-5.0	536	-4.2	539	254	7.1	9.0	13.62	1.01	1987	1974
<i>550</i>	530	5087	528	-0.9	7.0	-12.0	519	-7.8	527	252	6.3	8.5	15.78	1.00	1987	1974
<i>500</i>	525	5843	522	-5.0	2.8	-10.0	507	-12.2	523	249	5.3	8.1	17.78	1.04	1990	1972
<i>450</i>	516	6665	514	-9.5	8.6	-15.0	494	-16.7	513	237	3.8	7.3	21.27	1.15	1981	1971
<i>400</i>	511	7569	510	-14.9	-8.1	-31.0	479	-22.2	508	198	1.9	6.8	24.69	1.32	1990	1976
<i>350</i>	495	8569	495	-21.4	-14.1	-28.0	446	-28.8	492	116	2.5	7.1	29.56	1.40	1980	1972
<i>300</i>	479	9692	478	-29.2	-20.9	-36.0	379	-37.1	477	084	6.3	9.3	35.73	1.69	1987	1972
<i>250</i>	450	10968	449	-39.3	-31.1	-47.1	119	-45.9	447	075	10.4	12.8	45.63	1.96	1987	1979
<i>200</i>	426	12457	424	-52.1	-42.3	-64.0			425	072	15.4	17.4	58.45	2.07	1990	1972
<i>175</i>	372	13305	371	-59.6	-49.7	-69.3			369	075	18.4	20.2	64.65	2.19	1989	1979
<i>150</i>	303	14248	302	-67.4	-58.1	-78.1			302	079	21.6	22.8	68.61	1.97	1988	1986
<i>125</i>	225	15318	225	-74.9	-63.7	-82.3			221	081	25.8	27.1	78.39	2.56	1988	1982
<i>100</i>	188	16601	188	-79.3	-63.7	-89.7			188	085	26.6	27.5	92.99	2.69	1988	1987
<i>80</i>	136	17884	136	-75.0	-63.0	-84.7			134	085	20.2	20.9	100.73	2.68	1977	1983
<i>70</i>	119	18667	119	-70.3	-58.5	-82.0			119	085	16.9	17.9	105.48	3.46	1989	1978
<i>60</i>	99	19598	99	-65.6	-54.9	-81.0			99	088	15.4	16.1	133.14	2.65	1988	1971
<i>50</i>	89	20729	89	-60.9	-51.3	-75.0			89	093	15.1	15.9	121.50	2.40	1988	1971
<i>40</i>	63	22162	63	-56.1	-46.1	-66.3			59	093	14.8	15.7	140.65	2.91	1988	1984
<i>30</i>	47	24060	47	-50.6	-37.9	-67.1			46	093	16.4	17.7	173.64	4.67	1988	1984
<i>25</i>	33	25268	33	-48.5	-34.7	-61.5			33	096	18.5	19.3	165.44	3.98	1988	1984
<i>20</i>	23	26762	23	-46.0	-37.3	-55.1			23	100	20.6	22.0	199.20	3.48	1989	1985
<i>15</i>	19	28763	19	-41.8	-32.9	-53.3			19	092	22.6	23.5			1989	1988
<i>10</i>	11	31537	11	-37.5	-28.7	-49.5			11	088	24.4	24.9			1989	1988
<i>7</i>	1	34404	1	-30.5	-30.5	-30.5			1	091	41.0	41.0			1988	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

534 562 492

172 103 1644 -80.7

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	998	619	25.6	28.6	21.6	619	23.9	619	225	3.6	3.8	0.95	0.44	1986	1989
<i>1000</i>	575	63	113	25.3	27.8	23.0	113	23.6	113	222	3.0	3.2	7.38	0.72	1987	1971
<i>950</i>	575	510	575	23.6	29.8	17.4	574	21.3	575	234	8.6	9.3	8.41	0.54	1988	1989
<i>900</i>	575	986	574	21.0	27.0	14.8	573	18.0	574	240	9.5	10.3	8.15	0.59	1988	1981
<i>850</i>	575	1480	574	18.3	24.2	12.4	573	14.5	573	243	8.7	9.6	8.82	0.66	1989	1985
<i>800</i>	575	1998	575	15.6	24.6	9.6	573	10.8	573	244	8.0	9.0	9.72	0.77	1988	1989
<i>750</i>	575	2542	575	12.8	19.0	6.6	571	6.9	573	247	7.4	8.6	11.11	0.83	1988	1989
<i>700</i>	575	3121	575	9.6	16.2	4.0	569	3.0	573	250	6.7	8.2	12.40	0.89	1984	1974
<i>650</i>	565	3733	565	6.2	12.2	0.0	555	-0.7	564	254	6.0	7.8	13.80	0.98	1984	1974
<i>600</i>	556	4386	556	2.5	9.0	-4.0	541	-4.4	554	254	4.9	7.4	16.22	1.05	1988	1974
<i>550</i>	546	5086	546	-1.3	5.2	-7.0	525	-8.4	544	253	4.1	6.9	18.70	1.09	1987	1977
<i>500</i>	539	5841	538	-5.4	0.4	-11.0	511	-12.6	539	245	2.9	6.3	22.22	1.27	1986	1977
<i>450</i>	529	6661	527	-9.9	7.4	-15.0	486	-17.0	528	212	1.5	6.2	25.59	1.31	1987	1977
<i>400</i>	517	7564	516	-15.3	-7.3	-20.3	466	-22.7	517	127	2.1	6.1	30.82	1.34	1988	1979
<i>350</i>	502	8562	502	-21.8	-13.1	-28.5	430	-29.1	501	096	4.4	7.3	36.54	1.54	1988	1987
<i>300</i>	490	9682	490	-29.7	-21.1	-37.3	379	-37.5	488	080	8.0	9.6	44.06	1.84	1988	1979
<i>250</i>	465	10957	464	-39.7	-29.0	-48.1	95	-46.4	465	074	13.1	14.4	54.39	1.92	1974	1979
<i>200</i>	441	12441	441	-52.4	-42.7	-61.1			440	073	18.4	19.6	67.84	2.19	1990	1979
<i>175</i>	377	13286	377	-59.8	-49.1	-69.1			369	075	21.4	22.5	75.52	2.36	1990	1979
<i>150</i>	323	14227	323	-67.6	-55.9	-78.0			319	077	25.4	26.3	86.44	2.46	1990	1977
<i>125</i>	246	15299	246	-75.4	-62.5	-86.0			239	080	28.5	29.5	105.12	2.79	1989	1978
<i>100</i>	179	16574	178	-78.1	-64.7	-90.0			178	084	27.6	28.4	123.35	3.61	1988	1978
<i>80</i>	128	17880	128	-70.8	-55.7	-83.0			127	088	20.0	20.3	141.42	3.43	1985	1973
<i>70</i>	106	18688	106	-66.8	-48.3	-80.0			106	089	17.7	18.4	154.55	3.27	1989	1973
<i>60</i>	91	19621	91	-63.2	-45.9	-74.0			91	087	17.3	17.9	166.39	3.33	1989	1973
<i>50</i>	78	20758	77	-59.3	-45.7	-68.0			78	089	18.5	19.0	181.07	3.45	1986	1977
<i>40</i>	61	22181	60	-55.7	-45.1	-65.0			61	087	19.9	20.4	202.69	3.35	1986	1977
<i>30</i>	41	24099	41	-50.9	-37.9	-61.0			41	094	22.1	23.3	209.48	4.20	1986	1973
<i>25</i>	35	25315	35	-48.4	-35.9	-60.0			35	092	22.6	23.6	252.75	4.72	1986	1973
<i>20</i>	27	26899	27	-44.4	-32.1	-50.9			26	083	26.0	26.9	212.76	3.81	1986	1988
<i>15</i>	19	28854	19	-41.5	-27.7	-48.3			19	089	31.0	32.2			1986	1985
<i>10</i>	9	31591	9	-40.1	-29.7	-44.9			9	084	25.9	29.6			1982	1985
<i>7</i>	5	33985	5	-40.2	-36.9	-41.5			5	074	37.6	42.4			1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

548 566 465

180 109 1611 -80.2

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	998	620	25.7	28.0	22.0	620	23.8	620	229	4.1	4.3	0.81	0.37	1972	1972
<i>1000</i>	546	63	90	25.4	27.2	22.0	90	23.6	90	230	2.8	3.0	5.97	0.64	1987	1972
<i>950</i>	546	510	546	23.6	30.0	18.4	545	21.3	544	238	9.5	10.0	8.06	0.37	1976	1989
<i>900</i>	546	986	546	21.0	27.0	15.8	545	18.1	544	243	10.6	11.3	6.75	0.56	1975	1982
<i>850</i>	546	1480	545	18.2	25.0	8.0	545	14.6	543	246	10.1	10.9	7.10	0.62	1990	1975
<i>800</i>	546	1998	546	15.5	25.0	7.0	545	11.1	544	249	9.2	10.1	7.70	0.62	1974	1975
<i>750</i>	546	2542	546	12.7	20.2	7.0	545	7.2	543	252	8.7	9.7	8.68	0.71	1990	1982
<i>700</i>	546	3121	544	9.6	17.2	3.4	541	2.8	542	255	8.0	9.2	10.07	0.82	1990	1982
<i>650</i>	537	3734	535	6.1	13.8	-5.1	528	-1.5	531	257	6.9	8.6	12.42	0.89	1990	1984
<i>600</i>	529	4385	528	2.6	10.0	-3.0	514	-5.0	522	259	5.8	7.8	14.15	0.92	1990	1972
<i>550</i>	517	5085	517	-1.2	8.0	-6.3	500	-8.9	510	255	4.6	7.2	16.58	1.06	1975	1979
<i>500</i>	504	5841	503	-5.4	1.2	-11.0	485	-13.1	498	252	3.3	6.7	19.74	1.15	1987	1973
<i>450</i>	491	6661	490	-9.9	-1.9	-16.9	465	-17.4	484	227	1.7	6.5	23.34	1.19	1987	1985
<i>400</i>	481	7562	479	-15.4	-6.1	-22.1	433	-22.5	474	126	1.4	6.2	26.15	1.30	1987	1985
<i>350</i>	462	8559	459	-21.9	-13.1	-29.0	401	-29.4	453	094	4.9	7.5	30.63	1.43	1986	1978
<i>300</i>	446	9679	445	-29.9	-20.7	-37.0	343	-37.6	439	081	9.2	10.7	38.61	1.61	1988	1978
<i>250</i>	422	10952	422	-40.0	-30.5	-49.0	88	-45.9	417	075	14.1	15.3	46.80	1.84	1989	1978
<i>200</i>	396	12437	396	-52.6	-42.5	-63.3			391	074	18.7	19.8	58.63	2.11	1989	1985
<i>175</i>	344	13288	344	-59.8	-49.3	-71.1			338	076	21.5	22.5	68.85	2.25	1989	1981
<i>150</i>	289	14231	289	-67.6	-56.1	-79.0			282	079	24.9	25.8	81.27	2.30	1989	1978
<i>125</i>	222	15307	222	-75.1	-65.1	-84.1			215	081	27.6	28.4	86.76	2.24	1989	1987
<i>100</i>	160	16587	159	-77.1	-61.3	-94.0			156	083	26.7	27.5	106.58	4.00	1990	1978
<i>80</i>	115	17902	115	-69.8	-58.1	-86.0			111	086	19.6	20.2	123.96	4.50	1985	1972
<i>70</i>	96	18709	96	-65.9	-51.5	-80.0			91	085	18.3	19.0	139.62	4.74	1985	1972
<i>60</i>	70	19652	70	-62.2	-49.9	-71.1			65	087	19.3	19.9	150.77	4.36	1990	1989
<i>50</i>	55	20825	55	-57.6	-46.1	-69.0			54	086	18.8	19.5	183.36	4.41	1982	1972
<i>40</i>	39	22271	39	-54.5	-42.1	-65.0			39	094	18.4	19.3	249.69	4.91	1989	1972
<i>30</i>	29	24163	29	-50.0	-33.5	-60.1			28	091	19.0	19.8	242.55	5.39	1989	1989
<i>25</i>	23	25373	23	-48.3	-38.3	-59.3			23	089	20.4	20.9	287.23	5.63	1990	1989
<i>20</i>	14	26871	14	-44.8	-34.7	-56.1			14	095	21.6	22.6			1990	1987
<i>15</i>	8	28661	8	-44.0	-38.5	-53.7			8	100	15.2	16.6			1985	1987
<i>10</i>	6	31383	6	-41.3	-33.1	-50.5			6	099	30.4	30.5			1986	1987
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
521	565	466					161	109	1611	-79.7

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	630	999	609	25.0	27.4	22.0	600	23.6	600	235	2.2	2.5	0.74	0.32	1990	1976
1000	530	73	219	24.9	27.4	22.0	219	23.5	219	233	1.5	1.8	5.20	0.43	1987	1976
950	536	519	530	23.2	28.2	18.8	530	20.8	530	241	5.9	7.2	6.64	0.46	1987	1985
900	530	995	530	20.7	25.8	14.0	529	17.4	530	246	6.2	7.8	5.97	0.45	1979	1973
850	530	1488	530	18.2	26.0	12.2	530	14.0	529	247	5.3	7.2	6.42	0.58	1978	1984
800	530	2006	530	15.4	24.0	9.0	530	10.5	529	247	4.6	6.8	6.93	0.67	1976	1984
750	530	2548	530	12.4	19.8	2.0	528	6.9	528	247	4.0	6.5	8.40	0.74	1986	1976
700	530	3128	529	9.4	16.8	0.0	526	3.0	526	249	3.3	6.3	8.87	0.86	1986	1972
650	526	3740	525	6.1	14.0	0.8	516	-1.0	522	247	2.6	6.0	10.25	0.94	1973	1981
600	516	4392	518	2.6	10.0	-3.0	504	-4.6	516	240	1.7	5.9	12.53	1.05	1987	1972
550	509	5092	507	-1.3	6.0	-6.7	494	-8.5	507	211	0.9	5.7	15.00	0.99	1980	1981
500	505	5847	503	-5.3	1.4	-10.9	484	-12.6	502	144	0.9	5.4	17.19	1.05	1980	1981
450	493	6667	493	-9.9	8.0	-16.1	453	-17.6	490	115	2.1	5.6	20.78	1.22	1972	1981
400	485	7570	485	-15.3	-7.5	-31.0	439	-23.8	481	100	3.3	5.9	24.98	1.31	1986	1975
350	467	8568	466	-22.0	-12.1	-29.7	370	-30.8	462	094	5.4	7.0	30.85	1.45	1986	1987
300	456	9686	455	-30.0	-22.3	-38.1	260	-38.6	455	087	7.7	9.0	37.21	1.66	1987	1987
250	433	10959	433	-40.2	-31.1	-49.1	40	-46.8	431	085	10.7	11.9	46.02	1.84	1987	1987
200	408	12442	408	-52.9	-44.1	-64.3			407	085	15.0	16.2	56.81	2.03	1987	1987
175	363	13285	363	-60.4	-51.3	-70.9			360	084	17.7	18.9	62.86	2.15	1987	1985
150	323	14228	323	-68.1	-59.5	-77.5			320	085	19.8	21.0	70.78	2.15	1987	1985
125	246	15306	246	-75.4	-64.1	-86.0			243	087	21.5	22.5	84.70	2.38	1989	1978
100	210	16588	210	-77.8	-59.5	-93.0			209	086	20.3	21.0	101.63	3.44	1987	1978
80	164	17866	164	-71.9	-54.1	-89.0			163	087	15.9	16.6	119.49	4.50	1985	1978
70	147	18689	147	-67.4	-50.1	-82.0			146	089	15.2	16.0	129.51	4.65	1985	1978
60	123	19633	123	-63.1	-47.9	-75.9			120	091	14.6	15.4	139.82	4.51	1987	1979
50	93	20779	93	-59.7	-45.5	-71.0			93	087	14.8	15.6	161.47	4.58	1987	1977
40	62	22245	62	-55.5	-37.5	-72.0			60	095	14.8	15.5	231.10	5.67	1987	1977
30	41	24191	41	-50.2	-38.1	-62.7			41	095	17.5	18.4	224.23	4.67	1989	1984
25	35	25407	35	-47.5	-36.1	-59.7			35	094	17.0	18.1	238.89	5.48	1989	1984
20	30	26873	30	-45.0	-34.1	-55.7			30	092	19.3	20.2	231.67	4.91	1985	1984
15	20	28758	20	-43.4	-31.1	-50.9			19	087	25.4	26.1			1988	1988
10	12	31478	12	-41.0	-30.5	-46.3			12	089	24.3	26.0			1987	1984
7	3	33588	3	-42.2	-38.7	-45.9			3	093	39.3	39.3			1989	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

514 566 486 1 137 1355 -83.5 205 108 1616 -80.1

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
<i>SURFACE</i>	620	1001	620	24.7	28.0	22.0	620	23.5	620	213	0.6	1.4	1.05	0.38	1972	1977
<i>1000</i>	571	84	386	24.7	28.0	22.0	386	23.3	386	153	0.2	1.0	8.42	0.38	1987	1977
<i>950</i>	571	529	571	23.0	28.4	15.2	571	20.3	570	218	1.3	5.3	8.84	0.51	1990	1990
<i>900</i>	571	1005	571	20.6	27.2	13.8	571	16.7	570	209	1.3	5.7	9.21	0.70	1990	1990
<i>850</i>	571	1498	571	17.9	25.0	12.2	571	13.3	569	189	1.1	5.8	9.47	0.74	1990	1988
<i>800</i>	571	2016	571	15.2	23.4	9.0	571	9.8	570	178	1.0	5.9	10.11	0.81	1986	1988
<i>750</i>	571	2558	571	12.3	22.2	6.2	568	6.2	570	164	1.0	5.8	10.23	0.88	1986	1988
<i>700</i>	571	3136	570	9.3	17.4	3.6	564	2.1	571	141	0.9	5.8	11.69	0.92	1986	1988
<i>650</i>	568	3749	567	6.0	14.6	-5.0	551	-1.5	567	128	1.2	5.6	13.66	1.03	1986	1972
<i>600</i>	563	4399	562	2.5	11.0	-6.9	544	-5.4	562	110	1.6	5.7	15.61	1.15	1986	1980
<i>550</i>	553	5099	552	-1.3	9.4	-7.0	520	-9.4	551	105	2.0	5.7	18.68	1.22	1986	1978
<i>500</i>	548	5854	548	-5.3	4.2	-10.1	494	-13.7	547	101	2.6	5.7	21.02	1.26	1986	1988
<i>450</i>	540	6675	540	-9.9	-1.3	-16.0	447	-18.5	537	100	3.2	5.7	23.48	1.34	1986	1977
<i>400</i>	538	7577	538	-15.2	-6.1	-22.0	392	-24.1	536	099	3.8	5.9	28.26	1.46	1986	1977
<i>350</i>	523	8574	522	-21.9	-12.1	-29.0	312	-31.0	519	098	4.5	6.1	34.02	1.68	1988	1976
<i>300</i>	511	9694	510	-30.1	-21.5	-38.0	220	-38.7	509	096	5.7	7.4	40.95	1.78	1990	1978
<i>250</i>	490	10967	490	-40.2	-28.0	-49.1	40	-46.4	489	095	7.4	9.0	49.97	1.80	1972	1981
<i>200</i>	457	12450	457	-53.0	-40.3	-62.7	1	-57.5	457	095	9.9	11.9	61.03	2.10	1990	1981
<i>175</i>	408	13296	406	-60.3	-48.7	-69.1			406	097	12.0	14.0	65.45	2.26	1989	1981
<i>150</i>	365	14238	363	-68.1	-57.5	-77.7			364	097	14.0	15.6	73.57	2.44	1989	1979
<i>125</i>	296	15309	295	-75.6	-64.0	-86.3			291	099	15.4	16.5	86.05	2.29	1971	1979
<i>100</i>	243	16582	243	-79.4	-63.1	-90.5			242	095	14.1	14.9	110.80	3.50	1990	1979
<i>80</i>	201	17865	200	-74.0	-57.3	-85.0			199	095	11.1	11.9	139.89	4.22	1990	1977
<i>70</i>	172	18661	171	-69.7	-53.9	-84.0			172	094	10.0	11.0	163.77	4.03	1986	1978
<i>60</i>	133	19620	133	-65.2	-50.3	-76.0			133	094	9.5	10.6	176.81	3.71	1986	1971
<i>50</i>	109	20751	109	-60.4	-47.5	-74.0			106	089	9.6	11.0	205.17	4.22	1990	1971
<i>40</i>	81	22199	81	-56.1	-44.5	-73.0			80	088	10.3	12.8	250.52	5.05	1988	1971
<i>30</i>	58	24089	58	-50.6	-39.7	-66.0			58	096	13.6	15.5	296.32	5.51	1986	1971
<i>25</i>	41	25330	41	-47.4	-38.1	-56.1			40	099	12.6	15.1	256.09	3.21	1987	1988
<i>20</i>	28	26803	28	-45.7	-35.9	-54.9			28	098	15.0	17.6	202.92	2.46	1987	1988
<i>15</i>	19	28715	19	-43.6	-34.3	-49.7			19	092	20.6	21.8			1987	1988
<i>10</i>	9	31505	9	-40.4	-28.5	-44.9			8	095	20.9	21.9			1987	1984
<i>7</i>	2	33863	2	-39.2	-38.5	-39.9			2	076	15.2	21.5			1988	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
552	566	486					242	106	1628	-81.3

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	600	1001	600	25.1	29.4	21.0	600	22.8	600	091	13	2.1	1.00	0.53	1987	1973
1000	536	91	449	25.0	29.0	21.0	448	22.7	449	081	1.4	2.1	7.68	0.62	1972	1974
950	536	536	536	22.7	28.0	18.0	535	19.7	536	094	3.8	6.3	9.57	0.57	1973	1985
900	536	1011	536	20.1	29.0	14.0	535	16.0	536	103	4.3	6.8	7.79	0.75	1973	1973
850	536	1503	536	17.4	27.0	12.0	535	12.2	535	107	4.6	6.9	7.75	0.76	1973	1971
800	536	2020	536	14.7	23.0	9.2	531	8.5	536	111	4.3	6.7	8.07	0.83	1973	1983
750	536	2561	535	12.0	19.8	6.2	511	4.7	534	110	4.1	6.4	9.47	0.91	1986	1988
700	536	3139	535	8.9	15.8	2.6	494	0.9	533	114	3.9	6.1	9.79	1.07	1986	1988
650	529	3751	527	5.6	12.4	-6.5	463	-2.5	527	114	3.7	6.0	12.15	1.13	1989	1980
600	523	4400	521	2.2	9.0	-2.3	438	-6.0	522	113	3.7	6.2	13.83	1.11	1989	1981
550	513	5099	511	-1.4	5.4	-11.0	412	-10.1	512	103	3.8	6.5	17.48	1.16	1989	1978
500	508	5853	505	-5.4	4.0	-10.5	362	-14.5	508	103	4.0	6.6	19.63	1.18	1972	1981
450	501	6673	500	-10.0	-3.5	-14.7	308	-19.3	500	103	4.4	6.9	23.05	1.29	1987	1981
400	490	7573	489	-15.5	-7.7	-22.0	252	-24.8	489	105	4.4	6.8	26.96	1.50	1989	1978
350	480	8570	479	-22.3	-14.3	-28.0	196	-31.3	478	106	4.2	6.8	30.97	1.64	1989	1977
300	468	9686	468	-30.5	-22.9	-37.0	131	-38.8	468	112	4.1	7.0	38.11	1.91	1989	1977
250	435	10956	435	-40.8	-32.3	-48.3	21	-45.7	434	124	4.6	7.9	46.19	2.04	1989	1981
200	405	12433	405	-53.5	-44.9	-61.7			405	130	6.2	9.4	60.03	2.28	1988	1981
175	360	13279	360	-60.8	-51.5	-69.9			357	130	6.9	10.2	67.33	2.46	1988	1981
150	323	14219	323	-68.5	-58.7	-78.0			322	125	7.8	11.3	77.32	2.75	1989	1977
125	263	15285	263	-76.2	-64.7	-86.1			262	117	7.8	10.9	93.19	2.97	1981	1985
100	230	16553	230	-80.7	-69.5	-91.0			229	106	7.0	9.7	111.52	2.67	1986	1977
80	172	17830	172	-76.3	-61.9	-87.0			171	104	5.1	7.9	122.45	2.68	1985	1978
70	149	18605	149	-71.8	-57.9	-87.0			148	097	4.1	6.9	133.23	3.61	1986	1978
60	116	19529	116	-66.7	-55.3	-76.1			115	102	4.2	7.6	157.20	3.46	1986	1988
50	97	20658	97	-61.9	-51.3	-73.0			96	084	5.5	8.4	158.93	3.19	1990	1977
40	67	22093	67	-56.3	-46.9	-65.0			67	093	7.2	9.8	173.66	3.43	1990	1976
30	44	23957	44	-51.2	-40.3	-60.0			43	084	10.0	12.0	237.80	3.62	1986	1976
25	35	25168	35	-46.4	-35.7	-57.1			34	086	12.5	14.4	249.36	3.23	1986	1986
20	21	26662	21	-45.0	-36.7	-52.3			21	089	16.6	17.9	261.44	2.72	1986	1986
15	13	28658	13	-41.5	-30.9	-49.3			13	088	20.8	22.0			1986	1986
10	5	31419	5	-40.1	-37.5	-46.7			5	064	18.2	21.6			1984	1989
7	1	33735	1	-48.1	-48.1	-48.1			1	020	46.0	46.0			1989	1989

FREEZING LEVEL

1ST TROPOPAUSE

2ND TROPOPAUSE

N P ALT

N P ALT T

N P ALT T

515 568 483

213 104 1634 -82.2

NORMALS OF RADIOSONDE DATA

43333 PORT BLAIR

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1003	620	24.8	28.0	19.0	620	21.4	620	063	2.5	2.9	0.89	0.55	1982	1972
1000	560	104	537	24.7	27.8	20.0	537	21.2	537	064	2.6	2.9	8.11	0.55	1982	1972
950	560	547	560	22.0	29.6	17.0	559	18.2	559	071	6.1	6.9	8.77	0.58	1990	1972
900	560	1021	560	19.2	27.4	12.8	557	14.3	560	083	6.4	7.4	9.49	0.55	1990	1982
850	560	1511	560	16.6	24.2	10.0	550	10.1	560	091	6.1	7.1	9.91	0.64	1990	1973
800	560	2027	560	14.2	22.0	8.4	525	5.6	560	096	5.5	6.8	10.53	0.86	1990	1986
750	560	2567	560	11.7	19.6	5.0	486	1.2	560	099	4.7	6.3	12.89	0.89	1986	1976
700	560	3144	560	9.1	19.0	3.6	433	-2.5	560	100	4.2	6.0	12.30	0.73	1974	1982
650	556	3757	555	5.9	13.4	-7.0	369	-5.7	556	098	3.6	5.3	14.06	0.76	1986	1974
600	544	4405	542	2.5	10.2	-3.5	306	-8.8	543	097	3.5	5.9	15.44	0.93	1986	1979
550	535	5104	533	-1.2	6.8	-5.7	254	-12.5	534	094	3.7	6.1	18.42	0.98	1986	1982
500	526	5858	524	-5.4	3.4	-10.7	203	-16.2	525	094	3.6	6.6	19.34	1.01	1986	1981
450	516	6678	514	-10.1	-1.7	-17.0	179	-21.0	516	094	3.1	6.9	22.38	1.24	1990	1978
400	512	7578	511	-15.6	-7.5	-22.1	139	-25.6	511	100	2.8	7.1	26.04	1.47	1986	1982
350	496	8575	495	-22.5	-13.9	-28.3	103	-31.5	495	124	2.1	7.4	31.75	1.71	1987	1988
300	487	9690	485	-30.8	-22.1	-38.0	68	-38.4	487	167	2.2	7.6	39.69	2.05	1987	1976
250	458	10957	457	-41.0	-29.0	-49.0	20	-45.3	456	186	4.1	8.9	49.65	2.33	1972	1976
200	416	12433	414	-53.9	-41.7	-66.9	1	-59.1	415	184	6.3	10.8	64.03	2.60	1986	1982
175	377	13278	376	-60.8	-49.1	-72.0			376	185	6.7	11.7	73.35	2.65	1986	1977
150	332	14220	331	-68.0	-57.3	-78.0			331	186	6.1	11.4	89.23	2.70	1986	1977
125	268	15292	268	-75.6	-63.3	-85.3			267	178	4.3	10.6	98.30	2.51	1987	1980
100	222	16566	222	-80.8	-66.5	-91.5			219	137	2.8	9.3	111.28	2.62	1986	1981
80	165	17831	165	-77.4	-62.0	-91.7			165	089	3.1	8.1	126.27	2.95	1971	1981
70	145	18609	145	-72.9	-59.7	-85.7			145	086	2.5	7.2	142.75	3.47	1988	1981
60	122	19518	122	-67.4	-55.3	-79.0			122	128	0.8	7.1	137.55	2.81	1986	1976
50	99	20623	99	-62.1	-48.1	-73.0			96	111	1.5	9.0	149.84	3.03	1986	1977
40	63	22061	63	-57.5	-44.3	-68.0			63	092	2.2	10.6	201.66	2.90	1986	1971
30	42	23899	42	-52.1	-39.3	-59.1			42	104	6.7	12.2	227.26	4.02	1988	1986
25	34	25084	34	-49.4	-42.3	-56.5			34	097	7.5	12.9	218.37	3.18	1990	1987
20	24	26645	24	-46.4	-38.5	-54.1			24	099	10.7	13.3	226.99	2.92	1986	1990
15	15	28593	15	-44.0	-36.5	-50.7			15	106	12.3	15.4			1990	1990
10	7	31258	7	-42.2	-38.1	-48.1			7	100	14.8	19.9			1986	1987
7	4	33730	4	-41.5	-36.1	-47.3			4	106	13.2	16.8			1986	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

538	566	487		3	101	1653	-80.4		201	100	1657	-82.3
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NORMALS OF RADIOSONDE DATA

42700 RANCHI

JANUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	372	948	372	11.5	20.0	4.8	371	7.8	372	317	0.8	1.1	0.91	1.08	1982	1989
1000	344	155											7.22			
950	330	573	11	12.6	15.8	10.4	11	7.6	2	000	0.0	0.0	20.65		1988	1988
900	330	1037	330	13.5	24.0	1.0	316	3.6	320	308	2.9	4.9	6.70	1.00	1989	1989
850	330	1517	330	11.8	23.0	1.2	289	0.6	320	293	5.6	7.0	8.32	1.31	1988	1989
800	330	2022	330	9.5	23.0	0.0	240	-1.6	319	295	7.7	8.9	9.94	1.62	1988	1989
750	330	2552	329	7.0	22.2	-2.7	203	-5.6	318	295	9.5	10.6	12.54	2.02	1988	1989
700	330	3119	330	4.2	18.8	-3.7	163	-9.0	319	291	11.3	12.3	15.23	2.31	1990	1989
650	322	3717	322	1.1	17.4	-5.9	125	-11.8	310	288	13.2	14.2	21.03	2.39	1990	1982
600	316	4358	316	-2.2	14.8	-9.3	98	-15.1	298	285	16.0	17.2	24.28	2.37	1990	1982
550	312	5050	312	-6.0	7.8	-14.1	73	-19.7	290	282	19.0	20.4	34.45	2.30	1990	1982
500	307	5785	307	-10.4	2.8	-18.5	62	-22.7	284	278	22.5	24.2	34.90	2.36	1990	1982
450	297	6588	297	-15.4	-3.3	-25.3	51	-27.7	252	274	25.9	27.8	42.71	2.59	1990	1982
400	293	7469	293	-21.0	-10.3	-33.1	41	-31.9	235	272	30.0	32.1	50.59	2.91	1990	1982
350	285	8443	284	-27.1	-15.3	-41.7	25	-37.4	199	271	32.9	35.5	57.14	3.09	1990	1982
300	271	9541	270	-34.2	-23.1	-53.1	10	-40.9	154	269	37.6	40.3	71.93	3.19	1990	1982
250	253	10797	253	-43.0	-32.5	-57.7			114	262	42.6	45.1	87.05	2.91	1990	1982
200	222	12269	222	-53.4	-40.7	-66.1			62	265	42.3	44.9	103.97	2.40	1986	1988
175	184	13119	184	-58.8	-49.5	-70.1			49	268	38.9	43.0	119.89	2.44	1983	1988
150	156	14075	156	-64.2	-54.1	-75.9			35	268	43.3	44.9	129.40	2.45	1983	1989
125	121	15185	121	-69.6	-60.3	-85.1			27	271	31.1	32.5	136.35	1.61	1987	1989
100	95	16525	95	-73.1	-62.3	-81.5			20	282	22.5	25.0	122.19	1.72	1983	1989
80	84	17820	84	-72.1	-59.7	-79.7			15	283	14.1	19.0	123.30	2.04	1983	1984
70	78	18616	78	-68.9	-54.5	-77.7			14	278	7.6	16.3	131.63	2.67	1983	1984
60	71	19542	71	-64.2	-47.9	-74.9			10	283	7.1	12.7	129.50	3.03	1983	1986
50	64	20666	64	-59.0	-47.9	-68.1			9	193	1.9	14.9	141.00	4.05	1983	1984
40	61	22079	61	-54.7	-43.3	-63.3			9	281	9.3	13.2	156.46	3.41	1988	1987
30	47	23958	47	-50.3	-38.9	-55.5			5	282	5.7	14.2	181.22	4.22	1983	1985
25	31	25121	31	-49.5	-43.1	-58.3			5	087	6.3	9.6	163.22	3.59	1981	1985
20	26	26618	26	-47.7	-40.1	-57.1			4	064	3.4	16.0	216.43	3.44	1990	1985
15	19	28473	19	-45.4	-37.7	-55.3			1	318	5.0	5.0			1983	1985
10	6	31195	6	-42.4	-37.7	-48.6									1990	1983
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
321	637	391	12	193	1243	-62.6	90	104	1635	-74.4

NORMALS OF RADIOSONDE DATA

42700 RANCHI

FEBRUARY 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	339	945	339	13.7	21.4	6.4	331	8.3	339	310	1.1	1.8	1.41	0.75	1987	1983
<i>1000</i>	305	135											12.31			
<i>950</i>	300	559	4	16.6	17.4	15.4	4	13.5					19.98		1988	1988
<i>900</i>	300	1023	300	15.1	26.4	5.2	289	3.2	297	302	3.7	6.0	14.26	1.39	1988	1983
<i>850</i>	300	1506	300	13.1	23.4	3.2	272	-0.1	297	287	6.2	7.8	15.02	1.35	1988	1983
<i>800</i>	300	2012	300	10.2	19.2	1.2	240	-2.2	297	286	8.5	9.7	16.40	1.31	1990	1983
<i>750</i>	300	2539	299	6.9	17.0	-2.9	212	-4.5	297	287	10.9	11.9	16.42	1.38	1989	1985
<i>700</i>	300	3108	300	3.7	13.8	-6.1	182	-7.8	297	285	13.1	14.2	18.55	1.47	1989	1987
<i>650</i>	296	3704	295	0.6	10.8	-6.9	152	-12.1	289	285	14.9	15.9	16.59	1.47	1990	1990
<i>600</i>	292	4345	291	-2.9	8.0	-10.9	109	-15.1	282	284	17.3	18.4	20.84	1.50	1990	1990
<i>550</i>	288	5034	286	-6.8	4.2	-14.1	84	-18.8	275	281	19.8	21.2	29.04	1.49	1990	1979
<i>500</i>	281	5768	280	-11.2	0.8	-19.9	67	-23.2	264	279	23.2	24.7	25.61	1.53	1990	1979
<i>450</i>	279	6572	279	-15.9	-1.9	-25.7	52	-27.0	245	277	26.8	28.5	33.52	1.84	1990	1979
<i>400</i>	271	7449	271	-21.4	-6.7	-31.1	43	-33.0	224	273	30.6	32.9	33.52	2.38	1990	1979
<i>350</i>	259	8427	258	-27.3	-14.9	-37.1	27	-38.8	176	271	34.8	37.2	39.43	2.51	1990	1983
<i>300</i>	249	9522	249	-34.3	-25.1	-44.3	5	-43.2	142	267	38.2	41.5	45.53	2.40	1989	1987
<i>250</i>	220	10778	220	-42.7	-33.5	-52.9			97	266	41.2	44.2	53.22	2.22	1990	1988
<i>200</i>	192	12253	192	-52.7	-42.1	-63.1			63	262	46.0	49.2	68.05	2.61	1990	1988
<i>175</i>	159	13100	157	-58.1	-47.1	-66.5			38	266	45.3	48.3	84.34	3.15	1990	1988
<i>150</i>	137	14052	136	-63.6	-53.1	-74.1			30	269	43.3	46.5	110.03	2.92	1990	1983
<i>125</i>	103	15149	103	-69.0	-54.1	-79.9			19	267	33.4	36.3	115.59	2.87	1990	1984
<i>100</i>	79	16474	79	-73.6	-63.9	-83.1			14	285	26.5	29.4	109.95	2.59	1990	1984
<i>80</i>	63	17770	63	-73.7	-62.7	-83.5			7	262	11.9	12.4	143.62	2.64	1983	1983
<i>70</i>	54	18567	54	-69.7	-58.1	-80.5			6	285	11.9	14.5	141.85	3.17	1983	1983
<i>60</i>	51	19491	49	-64.8	-53.5	-76.9			6	295	13.3	15.7	140.34	3.19	1983	1984
<i>50</i>	45	20614	45	-59.7	-51.1	-70.5			5	292	12.4	17.2	125.36	4.09	1983	1984
<i>40</i>	40	22026	40	-55.8	-46.5	-70.1			3	265	1.8	12.3	87.58	4.42	1985	1990
<i>30</i>	30	23869	30	-51.3	-45.1	-63.5			3	330	2.0	7.0	100.50	3.50	1983	1990
<i>25</i>	22	25079	22	-48.9	-38.3	-61.5			2	300	5.6	10.5	110.58	4.77	1985	1990
<i>20</i>	7	26604	7	-47.4	-42.3	-59.3									1990	1990
<i>15</i>	3	28414	3	-47.4	-41.1	-58.1									1986	1990
<i>10</i>																
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
296	646	378	3	198	1226	-58.1	71	098	1667	-75.6

NORMALS OF RADIOSONDE DATA

42700 RANCHI

MARCH 1979-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	362	944	362	18.1	27.2	10.0	354	9.7	362	304	1.2	2.0	0.91	0.95	1986	1979
1000	329	110											7.47			
950	311	541											15.60			
900	311	1010	311	19.5	29.8	8.8	298	4.0	309	304	4.5	6.8	9.30	1.07	1988	1979
850	311	1499	310	17.0	28.0	7.8	280	0.8	308	294	6.7	8.6	8.57	0.96	1989	1984
800	311	2015	310	13.7	24.8	5.2	263	-2.0	309	287	8.7	10.0	5.38	1.00	1989	1990
750	311	2546	311	9.9	22.6	1.0	242	-4.1	309	286	10.8	12.1	6.71	1.15	1990	1983
700	311	3122	311	5.9	19.4	-1.3	223	-6.9	309	286	12.3	13.6	5.92	1.19	1990	1986
650	308	3718	307	1.9	13.8	-5.1	190	-9.7	306	287	14.1	15.4	9.05	1.35	1990	1979
600	305	4364	304	-2.0	8.6	-9.9	161	-13.9	301	286	15.4	16.7	9.67	1.37	1988	1981
550	297	5055	296	-6.1	6.2	-13.1	115	-17.1	292	285	17.1	18.4	13.74	1.46	1988	1980
500	293	5793	292	-10.5	2.8	-18.9	87	-21.3	282	283	18.9	20.6	16.32	1.61	1988	1980
450	284	6598	284	-15.5	-1.7	-23.9	59	-26.0	267	280	21.9	24.0	20.40	1.76	1988	1981
400	279	7482	279	-21.2	-7.1	-30.5	43	-30.9	251	277	24.7	26.8	28.07	2.11	1988	1981
350	263	8458	261	-27.2	-15.1	-37.1	30	-36.7	211	278	27.4	30.2	32.84	2.29	1988	1981
300	249	9556	248	-34.3	-23.9	-46.3	15	-42.9	185	275	33.1	36.6	48.64	2.56	1987	1982
250	236	10811	235	-42.6	-28.5	-53.9	2	-48.8	140	271	37.4	40.6	62.82	2.51	1987	1981
200	216	12292	216	-51.9	-38.3	-62.1	1	-60.5	109	268	39.5	42.5	83.96	2.89	1987	1980
175	193	13153	193	-56.9	-43.1	-72.1			71	267	39.5	41.4	103.58	3.69	1987	1980
150	177	14116	177	-62.4	-50.1	-78.1			61	272	34.0	35.8	119.30	4.29	1987	1988
125	145	15234	145	-67.1	-52.7	-76.3			40	276	31.8	34.1	112.92	2.92	1987	1988
100	107	16575	107	-71.7	-59.1	-87.1			32	276	24.6	26.3	100.20	3.38	1987	1988
80	81	17873	81	-72.8	-59.5	-82.1			20	291	11.6	16.2	105.66	3.45	1987	1979
70	74	18665	74	-70.9	-55.5	-81.1			18	278	5.7	13.6	117.93	3.59	1990	1988
60	71	19589	71	-66.5	-48.3	-80.5			18	316	3.9	11.8	108.25	3.04	1990	1988
50	65	20703	65	-59.8	-41.1	-74.3			14	033	7.4	12.6	104.98	3.29	1990	1985
40	57	22111	57	-54.1	-41.7	-68.1			12	066	6.5	14.3	105.84	3.20	1983	1985
30	42	23985	42	-49.1	-36.9	-59.1			10	205	0.9	6.7	109.46	2.86	1983	1985
25	31	25171	31	-47.4	-39.5	-57.9			6	255	6.2	10.2	108.95	3.35	1983	1985
20	23	26668	23	-45.3	-37.5	-53.3			6	238	12.7	16.2	154.31	3.93	1987	1990
15	10	28578	10	-43.7	-37.1	-49.1			2	279	18.9	19.0			1983	1990
10	3	31250	3	-44.3	-39.9	-47.9			2	230	8.8	19.5			1987	1984
7	2	33548	2	-47.0	-46.1	-47.9			2	251	15.7	17.0			1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

305 626 403

6 205 1208 -56.8

90 095 1692 -73.9

NORMALS OF RADIOSONDE DATA

42700 RANCHI

APRIL 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	371	941	371	22.8	31.2	9.4	369	11.9	368	284	1.2	2.1	0.92	0.95	1987	1986
1000	336	76											6.86			
950	329	520											7.45			
900	329	993	329	24.3	37.6	9.4	315	7.1	326	289	3.7	6.3	5.99	1.20	1987	1986
850	329	1490	329	21.5	32.4	8.0	306	2.8	326	295	5.8	7.6	6.32	0.98	1987	1986
800	329	2012	329	17.9	27.2	6.6	300	-0.2	326	294	7.3	8.7	6.29	0.95	1987	1986
750	329	2548	329	13.5	22.0	5.2	296	-2.9	326	288	9.4	10.7	9.25	1.01	1987	1986
700	329	3134	329	8.8	17.0	2.6	289	-5.1	326	285	11.3	12.5	8.40	1.08	1990	1986
650	324	3732	324	3.9	13.4	-3.0	268	-7.5	320	286	12.9	14.0	11.54	1.19	1989	1978
600	320	4387	320	-0.6	8.6	-8.7	225	-10.8	313	288	13.7	15.0	12.68	1.33	1989	1981
550	314	5076	313	-4.8	4.0	-12.3	163	-15.6	304	289	14.0	15.4	19.08	1.47	1987	1982
500	310	5821	309	-9.1	-0.3	-15.5	110	-20.6	299	286	14.8	16.2	17.68	1.40	1987	1986
450	304	6624	303	-14.0	-4.9	-21.1	73	-25.1	284	284	17.2	18.8	21.43	1.44	1990	1981
400	294	7514	293	-19.7	-10.1	-28.5	49	-30.9	269	279	20.3	22.1	28.23	1.43	1990	1981
350	287	8492	287	-26.0	-17.1	-36.5	38	-36.9	243	273	23.3	25.6	29.72	1.57	1987	1981
300	279	9597	278	-33.3	-23.5	-44.1	18	-42.9	225	271	27.7	30.4	39.77	1.98	1987	1981
250	265	10856	264	-41.8	-28.1	-55.1	1	-48.1	183	265	30.6	33.9	49.89	2.61	1990	1981
200	248	12338	248	-51.7	-40.5	-63.9			147	266	32.1	35.2	65.59	2.71	1990	1983
175	225	13193	225	-56.9	-43.1	-67.3			114	265	30.3	33.1	73.34	2.59	1990	1981
150	197	14154	197	-62.3	-50.3	-75.7			87	267	27.4	30.2	89.46	2.93	1987	1981
125	173	15264	173	-67.9	-53.5	-82.7			66	271	21.1	22.9	109.12	3.24	1990	1981
100	154	16582	154	-72.6	-57.3	-84.9			51	273	15.2	19.1	143.59	3.61	1990	1988
80	128	17880	128	-72.9	-58.7	-83.9			37	281	5.3	13.5	171.80	3.69	1990	1988
70	118	18681	118	-69.8	-52.7	-82.1			27	306	2.7	9.1	175.26	4.03	1990	1982
60	108	19605	108	-65.0	-50.3	-80.1			21	030	4.8	12.7	184.95	4.94	1987	1982
50	94	20720	94	-59.3	-45.3	-73.5			19	016	6.2	11.3	200.41	5.21	1985	1982
40	76	22124	76	-53.3	-37.9	-68.0			12	163	2.2	11.1	207.17	4.48	1986	1978
30	64	23989	64	-47.9	-33.3	-64.0			8	135	2.1	11.4	282.23	6.84	1986	1978
25	54	25214	54	-45.1	-30.1	-57.7			5	105	2.6	10.2	326.24	4.82	1986	1983
20	35	26644	35	-44.1	-34.7	-52.9			3	325	5.3	7.7	350.38	3.49	1985	1982
15	15	28546	15	-43.3	-36.5	-49.1									1989	1982
10	9	31331	9	-38.9	-31.5	-43.3									1988	1988
7	4	33629	4	-37.4	-34.3	-41.5									1985	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
319	605	432	5	168	1330	-62.4	132	096	1687	-75.2

NORMALS OF RADIOSONDE DATA

42700 RANCHI

MAY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	938	403	24.3	34.0	14.6	400	17.0	403	233	1.3	2.2	1.54	1.01	1981	1987
1000	359	51											16.50			
950	339	495											17.55			
900	339	975	339	25.4	34.0	14.2	329	12.1	326	244	3.9	6.8	15.46	1.13	1988	1987
850	339	1475	339	23.2	31.6	11.6	324	7.2	327	280	4.5	7.1	15.52	1.27	1988	1987
800	339	2000	338	19.7	28.2	9.0	320	3.5	325	301	5.9	7.6	15.12	1.30	1988	1987
750	339	2542	337	15.5	24.0	5.0	314	0.4	324	305	7.8	9.1	13.84	1.37	1988	1987
700	339	3130	338	10.7	20.0	-0.7	308	-2.5	324	304	9.5	11.0	15.44	1.54	1988	1986
650	334	3734	333	5.8	15.6	-5.3	289	-5.4	316	301	10.3	11.7	11.63	1.63	1984	1982
600	329	4390	328	1.3	11.6	-9.9	260	-9.3	308	301	10.8	12.4	19.92	1.82	1990	1981
550	324	5089	322	-2.7	7.4	-13.1	206	-13.4	291	298	10.4	12.0	21.93	1.87	1990	1985
500	322	5836	320	-6.5	3.2	-15.1	145	-17.8	284	295	9.8	12.0	26.65	1.93	1987	1980
450	313	6651	311	-10.9	0.6	-20.5	98	-22.0	269	287	10.5	13.1	27.78	2.07	1990	1985
400	308	7550	307	-16.0	-4.9	-27.7	66	-27.2	255	281	11.7	14.6	38.30	2.07	1990	1987
350	305	8542	302	-22.1	-10.9	-33.7	46	-32.5	242	275	14.2	17.1	39.33	2.09	1990	1985
300	293	9665	291	-29.2	-18.5	-41.1	24	-39.6	230	267	16.5	19.1	52.48	2.28	1990	1985
250	276	10945	274	-38.4	-27.3	-49.3	5	-47.5	200	261	17.1	19.6	64.20	2.45	1990	1985
200	266	12445	266	-49.4	-38.5	-60.1			187	255	17.8	20.6	78.08	2.22	1990	1987
175	228	13310	228	-55.9	-43.3	-66.0			149	252	15.5	18.6	86.94	2.19	1990	1978
150	207	14279	207	-62.3	-50.3	-74.5			127	250	12.6	16.3	97.05	2.11	1990	1982
125	164	15331	164	-69.4	-57.1	-80.0			96	254	8.7	13.3	99.39	2.09	1990	1978
100	141	16707	141	-74.9	-63.5	-84.7			79	245	3.3	11.5	102.80	2.21	1990	1979
80	116	17991	115	-74.2	-57.7	-84.3			62	098	2.9	9.8	93.68	2.20	1989	1984
70	106	18785	106	-70.5	-49.3	-81.0			53	084	6.5	9.6	90.62	2.23	1989	1978
60	88	19723	88	-64.9	-44.5	-75.9			39	080	6.4	10.5	88.60	2.53	1989	1987
50	84	20847	84	-58.6	-40.1	-73.1			34	086	6.5	10.2	93.43	3.02	1989	1987
40	70	22273	70	-52.6	-33.5	-61.7			26	082	7.0	10.3	126.79	2.77	1989	1988
30	64	24137	64	-47.5	-33.9	-55.9			25	080	10.0	11.4	131.27	2.66	1988	1988
25	54	25343	54	-45.2	-32.9	-52.3			22	102	8.6	10.5	133.86	2.34	1982	1988
20	42	26836	42	-42.7	-33.7	-48.7			18	089	8.5	10.8	114.13	2.23	1988	1983
15	26	28745	26	-40.8	-34.7	-49.5			9	098	7.0	9.3	95.69	2.76	1984	1988
10	10	31492	10	-39.6	-35.5	-44.9			3	066	9.8	10.6			1989	1983
7	4	33911	4	-36.8	-30.5	-42.5			2	163	2.3	5.5			1988	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

321 581 464

118 096 1697 -76.7

NORMALS OF RADIOSONDE DATA

42700 RANCHI

JUNE 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	389	934	389	25.2	38.4	17.0	384	21.3	389	252	1.1	2.7	1.07	0.94	1986	1978
1000	323	12											10.81			
950	305	456											9.85			
900	305	939	305	24.5	35.8	19.0	304	18.0	277	265	3.9	7.6	10.60	1.13	1986	1978
850	305	1438	305	22.4	32.2	16.0	302	14.3	277	293	3.9	8.0	11.05	1.22	1986	1984
800	305	1963	305	19.4	29.0	12.4	302	11.1	277	314	4.2	7.8	12.00	1.08	1986	1984
750	305	2510	304	15.8	26.0	9.2	299	7.8	275	322	5.1	8.4	11.49	0.98	1978	1984
700	305	3096	304	11.8	19.8	4.2	296	4.1	275	325	5.7	8.8	13.11	1.03	1990	1987
650	291	3709	290	7.8	16.0	1.0	279	0.2	261	324	5.2	8.8	11.94	1.26	1989	1987
600	285	4369	284	4.1	12.6	-3.1	262	-3.6	253	320	4.0	8.5	12.81	1.38	1990	1979
550	278	5077	277	0.5	9.0	-8.0	238	-6.8	242	318	2.9	7.9	20.42	1.49	1990	1978
500	275	5831	273	-3.3	4.8	-12.0	220	-11.1	240	305	1.9	7.7	18.16	1.54	1990	1978
450	266	6660	265	-7.5	0.6	-18.9	197	-15.8	228	290	0.9	7.3	24.89	1.48	1990	1983
400	265	7568	264	-12.4	-4.1	-21.1	167	-20.9	224	252	1.1	7.7	25.23	1.43	1990	1983
350	255	8576	255	-18.3	-9.3	-27.1	126	-26.9	208	216	1.0	8.1	29.12	1.56	1990	1979
300	247	9714	247	-25.7	-17.1	-34.9	87	-34.0	197	205	1.1	7.6	40.10	1.59	1990	1979
250	237	11011	237	-35.2	-25.0	-44.9	40	-43.3	175	164	1.0	8.7	50.43	1.81	1978	1984
200	221	12528	220	-47.7	-37.5	-58.7			151	137	2.4	9.3	63.55	2.11	1985	1984
175	201	13397	200	-55.0	-42.1	-67.0			134	122	3.2	10.1	71.25	2.36	1987	1978
150	174	14372	174	-62.6	-48.1	-73.7			112	113	4.4	11.2	76.83	2.25	1987	1984
125	143	15469	143	-70.7	-56.3	-79.1			93	091	7.0	12.1	81.55	2.29	1987	1984
100	121	16771	121	-76.4	-58.3	-86.1			79	081	10.2	13.0	99.15	1.64	1987	1984
80	95	18050	95	-75.1	-64.1	-84.3			69	084	13.2	15.1	118.91	2.61	1988	1984
70	89	18841	89	-70.8	-59.7	-81.1			61	086	13.8	14.9	129.45	3.14	1988	1983
60	76	19763	76	-65.7	-53.7	-76.9			50	087	13.1	14.0	147.06	3.68	1990	1979
50	71	20893	71	-59.7	-50.1	-75.5			42	088	13.6	14.6	151.32	3.34	1986	1985
40	58	22272	58	-54.8	-46.9	-70.3			35	089	15.4	17.1	154.91	2.63	1986	1985
30	49	24138	49	-48.9	-38.3	-60.5			29	089	16.7	18.5	166.45	3.61	1986	1982
25	42	25322	42	-46.2	-33.9	-56.9			27	094	16.6	17.3	169.80	2.41	1988	1983
20	31	26807	31	-43.4	-36.7	-54.1			17	095	17.8	18.5	104.00	2.87	1985	1983
15	12	28650	12	-43.3	-36.7	-51.1			9	100	15.8	16.3			1984	1983
10	6	31276	6	-42.6	-39.9	-47.3			5	103	14.6	14.8			1988	1983
7	3	33691	3	-41.5	-37.9	-44.1			2	092	19.4	19.5			1988	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
275	543	517	3	136	1500	-65.3	105	096	1701	-78.2

NORMALS OF RADIOSONDE DATA

42700 RANCHI

JULY 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	935	403	24.2	30.0	17.2	394	22.7	403	241	1.0	2.1	0.73	0.52	1987	1986
<i>1000</i>	324	17											4.89			
<i>950</i>	290	462											7.96			
<i>900</i>	290	943	290	22.9	31.0	15.2	286	20.8	223	262	3.9	6.9	6.21	0.71	1987	1986
<i>850</i>	290	1440	290	20.6	27.8	11.6	285	17.9	223	280	3.5	7.2	7.35	0.83	1987	1988
<i>800</i>	290	1962	290	17.9	24.4	10.8	287	15.0	223	286	2.7	6.6	6.89	1.01	1987	1982
<i>750</i>	290	2509	290	15.0	23.0	8.0	287	11.9	223	281	1.8	5.9	6.22	1.00	1989	1981
<i>700</i>	290	3093	290	12.0	21.6	4.8	285	8.5	222	267	1.5	5.6	7.48	1.06	1989	1981
<i>650</i>	285	3708	283	8.8	19.0	2.0	279	4.7	214	245	1.3	5.5	9.72	1.23	1989	1978
<i>600</i>	277	4371	274	5.4	14.8	-2.1	269	0.9	204	212	1.3	5.6	10.54	1.33	1989	1979
<i>550</i>	274	5084	272	1.7	10.0	-7.5	266	-3.3	200	172	1.4	5.8	16.92	1.49	1989	1986
<i>500</i>	272	5840	271	-2.2	5.6	-12.1	258	-8.1	199	130	1.8	6.2	13.01	1.51	1990	1986
<i>450</i>	265	6669	264	-6.5	2.0	-15.9	245	-13.3	190	114	3.0	6.4	19.25	1.42	1987	1986
<i>400</i>	260	7581	260	-11.7	-3.7	-17.9	224	-19.2	181	111	4.2	7.1	24.45	1.61	1990	1986
<i>350</i>	250	8590	250	-17.8	-8.9	-24.3	196	-25.8	165	104	5.9	8.1	26.41	1.66	1990	1979
<i>300</i>	233	9733	233	-25.5	-16.9	-32.5	138	-33.5	151	098	8.4	9.9	39.23	1.85	1990	1979
<i>250</i>	216	11034	216	-35.3	-26.5	-43.1	61	-42.4	132	089	10.9	12.2	44.73	2.18	1990	1982
<i>200</i>	200	12549	200	-47.8	-36.1	-57.7	3	-49.9	116	081	14.6	16.1	58.49	2.68	1990	1985
<i>175</i>	170	13421	170	-55.2	-46.1	-67.5			88	077	16.2	18.1	70.96	3.01	1988	1985
<i>150</i>	153	14386	153	-63.4	-54.5	-78.5			76	080	17.6	19.7	81.81	3.34	1990	1985
<i>125</i>	109	15481	109	-71.6	-61.1	-84.1			56	082	19.7	21.7	105.24	3.64	1989	1982
<i>100</i>	93	16774	93	-76.5	-67.1	-89.1			47	079	22.2	24.2	130.89	3.16	1988	1982
<i>80</i>	67	18080	67	-73.0	-62.3	-83.9			32	083	21.8	24.1	156.71	3.06	1989	1932
<i>70</i>	57	18883	57	-68.1	-57.7	-76.5			26	086	21.0	23.8	191.70	3.48	1988	1988
<i>60</i>	49	19834	49	-63.4	-51.7	-73.5			17	091	21.1	21.5	172.87	2.83	1988	1988
<i>50</i>	41	20955	41	-58.4	-44.5	-69.7			14	099	15.8	21.9	205.65	3.00	1988	1982
<i>40</i>	29	22377	28	-54.2	-45.9	-63.1			6	082	23.3	23.6	209.26	3.04	1985	1982
<i>30</i>	23	24214	23	-49.7	-40.3	-58.9			6	092	31.3	31.8	249.91	4.24	1988	1985
<i>25</i>	18	25388	18	-43.4	-41.9	-57.7			5	092	31.8	32.6			1988	1986
<i>20</i>	12	26757	12	-46.7	-39.1	-54.9			3	103	16.7	17.0			1989	1985
<i>15</i>	9	28694	9	-44.9	-37.1	-51.9			3	102	15.0	16.6			1989	1985
<i>10</i>	4	30911	4	-44.3	-41.7	-47.5			2	087	20.7	21.0			1988	1985

7

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
270	528	541					82	105	1655	-77.8

NORMALS OF RADIOSONDE DATA

42700 RANCHI

AUGUST 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	ODD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	403	935	403	24.0	33.8	20.0	400	22.7	403	161	0.1	2.6	1.00	0.38	1986	1987
1000	354	23											9.61			
950	332	469											12.08			
900	332	947	332	22.4	28.2	17.0	331	20.8	251	285	1.5	6.9	8.97	0.39	1987	1988
850	332	1444	332	20.1	26.2	13.2	331	17.6	252	321	1.3	7.7	8.63	0.53	1987	1988
800	332	1965	332	17.5	23.6	10.4	329	14.7	252	349	0.7	7.0	8.58	0.58	1983	1988
750	332	2512	332	14.7	21.2	7.4	330	11.6	251	089	0.3	6.5	9.20	0.62	1988	1988
700	332	3095	332	11.8	18.6	4.2	329	7.8	252	116	0.7	6.1	7.98	0.67	1988	1988
650	324	3711	324	8.7	15.2	1.0	320	3.9	242	119	1.1	6.4	8.46	0.84	1988	1988
600	320	4371	319	5.3	12.0	-2.7	312	-0.3	236	114	1.7	6.5	8.64	0.82	1988	1988
550	316	5084	316	1.7	10.0	-5.3	306	-4.8	236	121	2.4	6.7	15.39	0.93	1988	1988
500	312	5841	310	-2.4	4.8	-9.9	291	-9.2	227	115	3.5	7.0	11.45	1.01	1990	1979
450	302	6671	301	-7.0	1.4	-12.9	266	-14.2	218	109	4.1	7.5	17.30	1.04	1986	1979
400	296	7580	294	-12.3	-4.3	-24.1	239	-20.7	215	106	4.9	7.8	15.52	0.99	1990	1989
350	288	8591	287	-18.5	-10.9	-27.1	197	-27.3	204	102	6.3	8.4	16.38	1.10	1990	1989
300	280	9730	277	-26.0	-16.9	-34.9	134	-35.0	189	100	7.8	9.4	28.02	1.32	1990	1989
250	269	11021	267	-35.8	-26.5	-44.9	46	-44.0	178	091	9.9	11.2	32.94	1.61	1986	1979
200	251	12536	251	-48.3	-37.5	-59.3	1	-53.9	166	083	13.0	14.5	48.81	2.07	1986	1979
175	227	13401	227	-56.0	-44.3	-66.7			140	079	14.3	16.4	54.54	2.16	1986	1986
150	210	14365	210	-64.2	-51.5	-78.3			125	076	15.5	17.3	64.87	2.37	1986	1986
125	174	15459	174	-72.1	-60.7	-82.1			99	079	18.6	20.0	77.29	2.51	1986	1980
100	141	16749	140	-76.2	-65.5	-86.0			79	085	20.0	21.1	92.15	2.77	1990	1978
80	126	18048	125	-71.8	-59.5	-81.9			60	082	19.3	20.1	113.83	3.45	1982	1982
70	115	18853	114	-67.3	-53.1	-77.9			56	086	19.5	19.9	123.87	3.36	1982	1982
60	97	19789	97	-62.5	-47.5	-73.5			48	084	19.8	20.8	126.81	2.86	1982	1982
50	84	20926	84	-58.7	-44.7	-71.0			38	089	17.6	19.1	135.72	2.90	1982	1978
40	65	22336	65	-54.1	-43.1	-62.9			27	091	21.9	22.5	163.77	3.72	1988	1982
30	46	24221	46	-49.4	-39.3	-60.3			18	088	22.1	22.6	183.08	3.88	1988	1988
25	35	25375	35	-47.8	-34.7	-59.1			14	093	23.0	23.4	201.17	3.75	1986	1988
20	23	26901	23	-45.4	-32.1	-57.5			7	093	23.6	24.0	213.73	4.04	1986	1988
15	12	28863	12	-42.7	-32.1	-48.3			2	104	30.2	31.0			1988	1988
10	2	31567	2	-42.7	-37.9	-47.5									1989	1983
7																

FREEZING LEVEL

N	P	ALT
314	530	537

1ST TROPOPAUSE

N	P	ALT	T

2ND TROPOPAUSE

N	P	ALT	T
138	104	1656	-77.9

NORMALS OF RADIOSONDE DATA

42700 RANCHI

SEPTEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	390	939	390	23.7	29.4	19.0	381	22.0	390	230	0.3	2.0	0.73	0.55	1979	1982
<i>1000</i>	346	59											8.96			
<i>950</i>	321	504											9.00			
<i>900</i>	321	981	321	22.3	27.8	13.8	318	19.5	279	281	1.8	6.0	9.28	0.57	1986	1986
<i>850</i>	321	1477	321	19.8	25.4	13.0	318	16.0	282	300	1.2	6.2	8.96	0.63	1988	1978
<i>800</i>	321	1997	321	16.9	22.8	10.0	318	12.2	279	310	1.1	6.2	8.58	0.70	1988	1978
<i>750</i>	321	2539	321	13.7	19.6	6.0	313	8.4	279	301	0.7	5.5	11.28	0.96	1988	1982
<i>700</i>	321	3123	321	10.4	16.8	-1.7	309	4.7	279	253	0.8	5.5	6.94	1.13	1990	1987
<i>650</i>	315	3753	315	7.2	13.6	-1.5	298	0.6	271	229	1.1	5.5	9.79	1.26	1988	1982
<i>600</i>	306	4391	306	3.8	10.6	-3.0	278	-2.7	264	216	1.6	5.9	7.59	1.47	1988	1978
<i>550</i>	302	5099	302	0.2	6.8	-7.1	269	-6.9	259	209	2.0	5.9	15.35	1.55	1987	1979
<i>500</i>	298	5853	297	-3.9	3.8	-11.3	254	-11.9	254	184	2.0	6.1	12.62	1.70	1989	1979
<i>450</i>	290	6677	290	-8.5	-0.5	-16.1	219	-16.6	243	175	1.7	6.0	20.52	1.78	1987	1984
<i>400</i>	286	7565	286	-13.7	-5.7	-21.9	187	-22.4	237	162	1.9	5.9	23.46	1.73	1988	1984
<i>350</i>	278	8587	278	-20.0	-11.7	-28.1	148	-28.8	222	143	1.8	6.2	27.29	1.92	1988	1984
<i>300</i>	268	9718	268	-27.8	-19.1	-35.7	97	-36.3	214	124	2.4	6.8	39.89	2.02	1985	1979
<i>250</i>	256	11004	256	-37.8	-28.5	-46.5	30	-44.5	198	122	3.0	7.8	50.58	2.24	1985	1979
<i>200</i>	240	12499	239	-50.5	-41.1	-61.0			182	095	4.6	9.6	67.48	2.60	1985	1978
<i>175</i>	215	13354	215	-58.0	-48.9	-69.0			151	086	5.9	10.5	78.16	2.69	1990	1978
<i>150</i>	190	14310	189	-66.0	-55.7	-77.0			132	085	7.1	11.1	93.21	2.70	1990	1978
<i>125</i>	166	15390	165	-73.8	-61.9	-86.0			119	093	8.5	11.8	117.99	3.38	1990	1978
<i>100</i>	145	16681	145	-77.4	-67.7	-88.5			103	097	9.7	11.0	153.90	3.24	1989	1987
<i>80</i>	123	17976	122	-72.2	-62.1	-84.5			87	087	10.2	11.3	161.24	2.70	1985	1987
<i>70</i>	115	18777	115	-67.5	-56.5	-77.9			80	082	10.7	11.4	162.57	3.11	1982	1988
<i>60</i>	107	19709	107	-63.0	-50.5	-73.7			70	088	10.9	12.0	179.04	3.97	1985	1990
<i>50</i>	99	20852	99	-58.4	-47.1	-72.0			61	086	12.8	13.7	178.26	4.98	1988	1978
<i>40</i>	81	22264	81	-54.2	-42.9	-69.5			55	087	13.8	14.7	182.33	4.56	1988	1983
<i>30</i>	63	24151	63	-49.3	-36.9	-58.3			42	092	15.4	17.0	202.41	3.87	1988	1990
<i>25</i>	54	25335	54	-47.4	-37.5	-57.1			32	087	16.6	18.1	215.76	4.19	1985	1990
<i>20</i>	35	26840	35	-45.1	-39.1	-54.1			18	101	16.3	18.7	269.39	3.79	1982	1981
<i>15</i>	16	28823	16	-43.1	-36.5	-51.3			7	094	18.8	19.1			1982	1988
<i>10</i>	5	31656	5	-41.4	-37.7	-48.9			1	121	37.0	37.0			1982	1988
<i>7</i>	2	33849	2	-41.8	-36.5	-47.1									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
299	549	512					139	106	1639	-79.0

NORMALS OF RADIOSONDE DATA

42700 RANCHI

OCTOBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	944	403	20.4	29.6	13.6	386	16.6	403	331	0.5	1.2	1.11	1.08	1987	1986
<i>1000</i>	359	110											12.66			
<i>950</i>	354	546											15.87			
<i>900</i>	354	1020	354	20.2	29.6	12.6	348	12.4	332	333	1.8	4.7	10.92	0.92	1987	1984
<i>850</i>	354	1511	354	17.4	28.0	8.0	345	8.3	332	328	2.5	5.3	10.95	1.11	1987	1984
<i>800</i>	354	2026	353	14.2	24.8	5.2	328	4.9	331	325	2.8	5.7	11.26	0.97	1987	1988
<i>750</i>	354	2564	353	11.2	21.4	2.8	296	1.6	330	311	2.5	5.8	10.52	1.30	1987	1983
<i>700</i>	354	3140	354	8.3	18.0	0.0	248	-1.2	331	286	2.4	5.7	12.54	1.54	1990	1982
<i>650</i>	341	3748	341	5.5	16.2	-4.9	194	-4.5	319	273	3.0	6.1	13.19	1.59	1985	1982
<i>600</i>	334	4399	333	2.5	12.2	-5.1	148	-7.5	313	264	4.1	6.9	16.32	1.61	1990	1982
<i>550</i>	328	5105	328	-1.2	8.0	-9.3	117	-10.5	307	265	5.1	7.6	27.18	1.51	1981	1981
<i>500</i>	325	5852	325	-5.6	3.6	-12.5	97	-14.7	300	263	6.5	8.8	21.51	1.61	1990	1981
<i>450</i>	325	6671	325	-10.4	-0.7	-18.3	85	-19.4	296	262	7.7	9.9	29.18	1.76	1990	1982
<i>400</i>	323	7571	323	-15.9	-6.1	-23.5	70	-24.6	289	261	9.8	11.8	31.65	1.90	1990	1982
<i>350</i>	313	8563	313	-22.3	-11.1	-32.1	49	-30.2	277	258	11.3	13.3	36.85	2.14	1990	1981
<i>300</i>	302	9685	302	-30.0	-17.5	-41.9	32	-38.3	260	255	13.0	15.2	49.78	2.42	1990	1981
<i>250</i>	287	10956	287	-39.8	-23.7	-52.3	3	-42.8	236	252	14.1	16.6	61.17	2.71	1989	1981
<i>200</i>	261	12443	261	-51.8	-36.5	-64.5			206	247	13.8	17.3	78.46	2.61	1990	1981
<i>175</i>	233	13296	233	-58.8	-42.5	-69.0			168	247	13.6	17.3	86.51	2.68	1990	1978
<i>150</i>	214	14250	214	-65.9	-51.5	-78.0			145	243	11.2	14.9	96.07	2.57	1990	1978
<i>125</i>	174	15326	174	-72.9	-60.9	-85.1			107	241	8.4	12.1	105.15	2.38	1990	1984
<i>100</i>	151	16619	151	-76.4	-64.7	-88.0			90	221	3.6	8.6	131.93	3.00	1988	1978
<i>80</i>	126	17905	126	-72.6	-60.1	-86.0			68	074	1.9	6.3	161.30	3.84	1982	1978
<i>70</i>	120	18703	120	-68.0	-55.5	-81.0			61	079	3.1	5.9	176.65	3.47	1986	1978
<i>60</i>	115	19637	115	-62.7	-50.5	-74.5			57	080	5.2	7.2	182.15	2.89	1986	1986
<i>50</i>	103	20787	103	-57.5	-44.3	-68.9			50	088	7.0	8.1	196.72	2.83	1986	1986
<i>40</i>	86	22207	86	-53.3	-41.1	-63.1			41	082	8.0	9.5	220.29	4.15	1987	1984
<i>30</i>	70	24070	70	-48.4	-31.3	-60.3			31	097	9.6	11.1	247.04	4.96	1987	1984
<i>25</i>	53	25261	53	-46.9	-33.7	-55.7			26	107	9.8	11.5	275.19	4.52	1985	1984
<i>20</i>	34	26795	34	-44.5	-22.1	-53.3			11	091	9.9	11.4	274.87	4.27	1986	1988
<i>15</i>	19	28776	19	-43.1	-32.7	-50.9			8	079	10.8	11.6			1986	1988
<i>10</i>	6	31424	6	-41.5	-36.7	-47.5			2	133	5.5	6.5			1989	1988
<i>7</i>	1	33908	1	-42.1	-42.1	-42.1									1986	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
335	570	483					139	106	1630	-77.5

NORMALS OF RADIOSONDE DATA

42700 RANCHI

NOVEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	390	947	390	15.9	25.4	8.0	389	11.3	390	339	0.7	1.0	0.88	1.53	1986	1981
1000	346	143											9.31			
950	327	573	4	15.1	16.2	14.2	4	8.6	1	012	4.0	4.0	8.88		1983	1983
900	327	1039	327	16.7	25.0	9.0	318	6.4	314	342	2.8	4.5	8.02	1.30	1989	1987
850	327	1524	327	14.2	22.2	6.8	302	2.8	314	320	3.2	4.9	7.28	1.42	1990	1983
800	327	2033	327	11.3	21.0	3.0	264	-0.5	312	312	4.2	5.9	7.59	1.52	1990	1984
750	327	2566	327	9.0	18.4	-1.3	195	-3.9	311	303	5.0	6.7	8.97	1.26	1985	1984
700	327	3137	327	6.8	15.2	-2.1	128	-6.4	312	292	6.2	7.4	10.45	1.13	1990	1984
650	322	3740	321	4.1	12.0	-5.1	78	-8.3	306	286	7.5	8.7	15.01	1.12	1990	1981
600	319	4390	318	0.9	9.0	-6.0	56	-9.6	299	282	9.0	10.4	14.60	1.20	1990	1978
550	314	5091	311	-3.0	6.0	-9.9	48	-12.9	293	281	10.9	12.2	25.88	1.35	1990	1987
500	309	5833	308	-7.6	2.8	-15.3	44	-16.8	287	277	12.8	14.2	20.56	1.66	1985	1982
450	299	6650	298	-12.5	-2.5	-20.7	36	-20.2	271	275	15.6	17.3	31.75	1.92	1990	1982
400	293	7539	291	-18.2	-7.7	-25.5	32	-26.1	266	273	18.6	20.2	30.57	1.99	1990	1986
350	286	8525	286	-24.6	-13.7	-32.5	25	-33.8	244	271	21.9	23.7	38.42	2.11	1990	1982
300	280	9632	279	-32.2	-20.5	-40.9	12	-40.9	228	266	25.7	27.6	47.70	2.16	1990	1982
250	265	10897	264	-41.4	-28.5	-50.0	1	-47.9	190	265	27.5	29.6	60.62	2.51	1990	1978
200	248	12377	248	-52.7	-38.5	-66.1			154	261	30.3	32.7	74.44	3.00	1990	1989
175	206	13237	206	-58.9	-43.5	-69.0			112	264	26.9	29.2	93.09	3.37	1990	1978
150	175	14191	175	-65.5	-50.5	-76.5			88	265	23.7	26.2	106.87	3.36	1990	1986
125	128	15280	128	-71.0	-59.1	-83.0			56	267	20.3	22.3	127.81	3.76	1989	1978
100	101	16600	101	-74.5	-64.3	-86.0			41	272	15.0	17.6	141.86	4.10	1988	1978
80	80	17883	80	-73.4	-56.9	-86.1			33	291	9.4	12.7	175.30	4.21	1989	1979
70	76	18690	75	-69.5	-50.7	-80.1			29	292	4.4	9.1	197.52	3.85	1989	1979
60	65	19611	65	-64.2	-51.5	-73.5			25	325	4.0	10.0	215.53	4.15	1988	1979
50	57	20757	57	-58.2	-45.1	-67.9			24	353	1.9	9.7	232.76	3.81	1982	1986
40	53	22171	53	-52.6	-44.3	-63.3			21	331	2.7	6.5	266.48	3.08	1982	1986
30	44	24048	44	-48.0	-41.3	-58.1			17	083	4.6	8.9	186.34	2.51	1986	1986
25	36	25237	36	-45.9	-39.5	-55.1			13	064	1.2	7.2	221.42	3.42	1982	1986
20	28	26788	28	-43.7	-37.1	-52.5			10	044	2.1	5.8	211.08	3.33	1982	1983
15	12	28764	12	-42.8	-31.3	-49.5			2	314	11.6	13.0			1982	1983
10	8	31630	8	-40.1	-36.1	-46.1			1	222	29.0	29.0			1988	1983
7	4	33871	4	-40.7	-36.3	-45.9			1	264	21.0	21.0			1988	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
320	591	453	4	154	1415	-64.4	93	102	1656	-76.2

NORMALS OF RADIOSONDE DATA

42700 RANCHI

DECEMBER 1978-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	403	948	403	11.7	19.0	6.0	397	8.3	402	320	1.0	1.2	1.07	0.86	1985	1978
<i>1000</i>	315	162											9.54			
<i>950</i>	288	587	9	13.0	14.8	9.4	8	7.8	8	003	1.3	1.9	9.77		1983	1987
<i>900</i>	288	1044	288	13.2	20.4	6.8	275	3.1	281	316	3.0	5.1	10.00	0.86	1987	1987
<i>850</i>	288	1523	288	11.8	19.0	5.0	243	-0.7	282	302	4.7	6.2	10.26	1.03	1978	1983
<i>800</i>	288	2029	288	10.0	18.2	1.2	184	-3.8	281	298	5.5	6.7	10.07	1.44	1982	1986
<i>750</i>	288	2562	288	8.2	17.6	-0.9	125	-6.9	281	292	6.7	7.9	13.18	1.62	1987	1986
<i>700</i>	288	3129	288	5.7	15.0	-6.3	86	-9.3	282	286	8.4	9.8	13.64	1.54	1987	1986
<i>650</i>	286	3729	286	2.7	12.0	-6.3	64	-12.7	278	285	10.4	12.0	16.38	1.65	1988	1981
<i>600</i>	284	4375	284	-0.6	7.4	-8.5	45	-16.1	276	283	12.7	14.1	18.71	1.49	1987	1981
<i>550</i>	280	5068	280	-4.7	3.8	-11.7	34	-19.5	268	282	15.1	16.5	22.50	1.47	1988	1981
<i>500</i>	276	5808	276	-9.4	0.0	-20.5	25	-22.1	265	278	17.6	19.4	25.26	1.53	1988	1984
<i>450</i>	273	6616	273	-14.5	1.4	-23.9	22	-27.0	257	276	21.1	23.0	28.13	1.74	1984	1979
<i>400</i>	268	7500	268	-20.6	-11.1	-36.5	13	-29.9	246	273	24.8	26.5	35.79	2.14	1988	1984
<i>350</i>	258	8475	258	-27.3	-15.7	-38.1	11	-35.4	223	271	29.2	31.1	40.20	2.28	1982	1985
<i>300</i>	251	9572	251	-34.9	-21.7	-47.5	5	-47.5	137	268	32.8	34.6	49.80	2.45	1982	1985
<i>250</i>	237	10823	237	-43.9	-31.5	-54.9	1	-50.1	145	264	36.6	38.8	59.97	2.69	1988	1985
<i>200</i>	215	12288	215	-54.7	-41.5	-63.1			104	261	39.5	41.9	82.16	2.83	1988	1979
<i>175</i>	185	13135	185	-60.1	-46.1	-69.1			77	260	37.4	39.6	94.64	2.71	1988	1979
<i>150</i>	158	14092	157	-65.4	-52.1	-74.3			61	262	35.3	36.8	97.52	2.40	1988	1984
<i>125</i>	122	15176	122	-70.3	-59.1	-80.5			43	265	30.1	31.2	118.68	2.32	1986	1985
<i>100</i>	102	16493	102	-74.1	-63.1	-83.3			31	269	19.2	22.3	132.95	3.99	1984	1988
<i>80</i>	82	17796	82	-74.4	-61.7	-82.0			24	277	10.1	12.6	97.63	2.18	1986	1978
<i>70</i>	75	18577	76	-71.7	-59.5	-81.1			22	288	9.7	12.5	110.10	2.60	1986	1982
<i>60</i>	70	19500	70	-66.9	-55.1	-78.7			18	303	5.9	10.9	99.35	3.28	1984	1987
<i>50</i>	63	20625	63	-61.1	-49.9	-76.7			17	309	5.1	8.7	105.40	3.92	1981	1987
<i>40</i>	51	22025	51	-55.9	-45.5	-73.1			12	274	6.3	9.5	124.04	4.60	1984	1987
<i>30</i>	45	23888	45	-51.7	-42.5	-66.7			11	343	1.9	12.8	139.97	4.78	1986	1987
<i>25</i>	38	25074	37	-48.9	-38.7	-62.1			9	265	4.6	7.5	208.82	6.11	1986	1987
<i>20</i>	21	26544	21	-47.0	-28.1	-59.7			6	112	2.4	12.5	208.95	9.47	1981	1987
<i>15</i>	12	28357	12	-44.8	-24.1	-56.9			3	170	5.9	9.3			1981	1987
<i>10</i>	4	30905	4	-47.2	-35.5	-56.1									1988	1984
<i>7</i>	1	32845	1	-48.5	-48.5	-48.5									1987	1987

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE				
N	P	ALT	N	P	ALT	T	N	P	ALT	T	
283	611	424	4	161	1365	-69.0		90	104	1533	-75.5

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

JANUARY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	1001	217	13.5	19.6	8.0	216	9.7	216	054	1.1	1.5	1.25	0.65	1990	1984
<i>1000</i>	189	127	141	13.4	18.0	8.8	137	9.6	141	056	1.2	1.5	8.31	0.80	1986	1989
<i>950</i>	189	524	189	13.7	21.4	5.4	185	8.0	185	061	2.1	2.9	9.25	1.43	1989	1984
<i>900</i>	189	1013	189	12.1	21.8	2.0	184	5.0	185	086	1.7	2.8	9.91	2.03	1990	1985
<i>850</i>	189	1489	189	9.1	18.8	0.0	178	1.7	185	096	1.6	3.0	12.03	1.98	1990	1985
<i>800</i>	189	1988	189	5.9	17.4	-2.9	170	-1.7	185	102	1.1	3.8	14.70	2.00	1990	1985
<i>750</i>	189	2524	189	2.9	12.4	-5.5	133	-5.6	185	296	0.8	5.7	18.31	1.82	1990	1985
<i>700</i>	189	3070	189	0.3	9.0	-8.7	92	-9.8	184	289	6.4	8.7	21.03	2.09	1990	1989
<i>650</i>	187	3670	187	-1.8	16.6	-11.7	57	-13.3	178	289	11.9	13.2	32.66	2.76	1990	1989
<i>600</i>	187	4297	187	-4.3	12.4	-15.1	36	-16.2	172	291	16.3	17.0	33.31	3.29	1990	1985
<i>550</i>	186	4999	186	-7.7	7.8	-18.3	30	-19.0	157	289	18.7	19.5	39.89	3.21	1990	1985
<i>500</i>	182	5715	182	-11.9	2.8	-21.9	21	-22.9	152	289	22.9	24.1	46.82	3.28	1990	1985
<i>450</i>	177	6529	177	-16.6	-3.7	-27.3	15	-24.3	129	287	25.3	26.8	58.42	3.29	1989	1985
<i>400</i>	170	7400	170	-21.9	-8.1	-33.5	10	-29.6	117	285	30.4	32.3	61.39	3.53	1989	1985
<i>350</i>	154	8386	154	-27.5	-13.3	-39.5	7	-34.8	71	282	35.6	37.7	75.32	3.73	1989	1985
<i>300</i>	148	9478	148	-33.5	-18.7	-48.3	5	-43.4	65	281	39.8	42.3	90.80	4.01	1989	1985
<i>250</i>	134	10752	134	-40.6	-27.9	-56.9	1	-41.7	41	282	47.7	51.0	111.27	2.98	1989	1985
<i>200</i>	116	12258	116	-49.7	-40.1	-61.3			22	281	50.7	52.5	67.37	1.72	1990	1988
<i>175</i>	105	13123	105	-55.0	-45.5	-66.1			9	269	51.0	57.5	69.09	1.79	1987	1988
<i>150</i>	101	14094	101	-60.2	-50.5	-70.3			8	279	46.4	57.7	68.34	1.84	1990	1988
<i>125</i>	84	15215	84	-66.0	-54.5	-76.1			1	284	31.0	31.0	116.57	2.09	1990	1989
<i>100</i>	79	16545	79	-71.0	-60.5	-83.9							114.67	1.80	1986	1988
<i>80</i>	70	17855	70	-72.5	-55.9	-83.3							118.40	2.73	1986	1990
<i>70</i>	64	18642	64	-70.7	-58.7	-85.9							122.58	2.44	1989	1989
<i>60</i>	57	19552	57	-66.1	-53.1	-76.9							123.18	2.62	1989	1989
<i>50</i>	50	20663	50	-60.6	-47.9	-75.7							121.71	3.64	1989	1988
<i>40</i>	41	22062	41	-55.5	-46.3	-70.1							154.44	3.03	1989	1988
<i>30</i>	37	23934	37	-51.0	-42.7	-61.1							320.42	3.13	1989	1988
<i>25</i>	34	25095	34	-49.1	-41.1	-59.9							327.53	2.64	1989	1988
<i>20</i>	27	26591	27	-47.3	-39.1	-58.5							353.16	2.51	1989	1988
<i>15</i>	19	28418	19	-46.8	-37.9	-56.9									1988	1988
<i>10</i>	13	31007	13	-44.8	-40.5	-50.9									1989	1989
<i>7</i>	4	33366	4	-44.3	-40.7	-50.1									1988	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

189 682 333

13 185 1270 -58.0

73 096 1684 -74.0

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

FEBRUARY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	198	999	198	15.5	20.0	10.2	198	9.7	198	063	1.3	1.7	2.00	1.05	1987	1989
1000	169	106	59	15.6	20.0	10.0	59	11.0	61	054	1.3	1.6	16.85	0.94	1987	1989
950	169	509	169	15.7	24.2	8.0	166	9.4	167	073	2.9	3.7	17.82	0.87	1990	1989
900	169	999	169	14.1	23.2	5.0	166	6.8	167	083	2.2	3.6	19.01	1.10	1987	1984
850	169	1479	169	11.1	21.8	1.6	163	3.9	167	071	0.8	3.2	19.02	0.89	1985	1985
800	169	1981	169	7.8	17.2	-3.3	148	0.0	166	296	1.3	4.4	19.91	0.78	1985	1985
750	169	2508	168	4.7	15.0	-3.5	119	-3.4	165	287	4.6	6.8	20.42	0.92	1988	1984
700	169	3069	168	1.5	11.8	-8.3	87	-6.3	166	285	8.6	10.2	21.87	1.35	1988	1985
650	162	3652	161	-1.5	8.4	-12.1	56	-9.6	153	285	12.2	13.6	25.01	1.74	1988	1985
600	160	4300	159	-4.5	5.2	-16.1	43	-12.7	142	288	15.1	16.0	27.65	1.83	1988	1985
550	157	4987	156	-8.4	6.2	-19.9	38	-18.8	126	286	17.9	18.7	28.10	1.76	1989	1985
500	155	5714	155	-13.1	-3.5	-23.3	30	-23.2	122	286	21.5	22.3	32.57	1.34	1988	1988
450	151	6510	151	-18.1	-8.9	-28.9	25	-28.7	104	284	23.7	24.9	34.79	0.93	1988	1989
400	146	7377	146	-23.8	-13.5	-37.9	21	-33.0	92	283	27.6	29.5	35.86	0.98	1990	1990
350	141	8346	141	-30.0	-16.7	-39.9	13	-36.4	67	280	33.6	35.7	38.18	1.31	1989	1990
300	133	9430	133	-36.3	-23.9	-50.1	6	-40.8	60	279	36.3	39.1	31.53	2.06	1985	1985
250	119	10684	119	-43.6	-33.1	-53.5			40	276	43.4	47.8	37.10	2.15	1985	1986
200	111	12172	111	-50.5	-43.1	-66.3			30	276	52.3	56.2	46.79	1.74	1987	1988
175	93	13045	93	-54.4	-43.5	-66.1			19	283	46.8	49.3	152.27	2.32	1987	1986
150	89	14024	89	-58.9	-44.1	-67.5			11	281	44.9	47.5	152.91	2.26	1990	1988
125	83	15150	83	-64.3	-49.9	-73.7			5	281	46.7	49.6	43.07	2.30	1990	1989
100	71	16510	71	-69.3	-57.9	-77.5			3	276	43.8	45.3	52.38	2.52	1987	1989
80	63	17852	63	-69.8	-57.7	-78.1			1	310	28.0	28.0	38.38	2.08	1990	1988
70	54	18667	54	-67.9	-56.1	-79.1			1	308	26.0	26.0	69.55	2.83	1987	1988
60	48	19588	48	-64.2	-53.3	-75.1							69.54	2.53	1987	1988
50	43	20712	43	-59.4	-50.1	-71.1							77.32	1.64	1987	1988
40	38	22125	38	-55.0	-45.3	-64.3							86.48	1.20	1988	1988
30	32	23965	32	-51.3	-40.3	-58.5							87.60	1.06	1988	1988
25	26	25074	26	-50.4	-41.7	-60.7							88.61	0.95	1988	1988
20	25	26567	25	-47.8	-38.1	-54.9							79.72	1.67	1987	1987
15	20	28484	20	-45.6	-34.5	-54.9									1987	1987
10	12	31109	12	-43.5	-33.5	-52.3									1987	1987
7	6	33353	6	-44.2	-37.5	-48.5									1988	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

165 672 343

13 189 1267 -57.1

65 093 1700 -71.5

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

MARCH 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	996	217	19.9	26.6	13.6	217	15.1	217	072	1.8	2.1	1.41	0.97	1986	1990
1000	186	81	24	18.3	22.0	15.6	24	13.3	23	069	1.6	1.8	10.57	1.29	1988	1986
950	186	490	186	19.3	27.0	8.4	181	12.9	182	082	3.9	4.6	9.34	0.54	1986	1984
900	186	985	186	17.3	30.0	7.0	178	10.9	182	092	3.1	4.3	10.30	0.84	1985	1986
850	186	1469	186	14.6	29.2	3.6	175	8.4	182	088	0.9	3.8	8.72	1.41	1985	1985
800	186	1979	186	11.2	26.2	-1.5	167	5.6	182	284	2.0	4.3	10.56	1.27	1985	1985
750	186	2513	186	7.8	23.0	-5.1	155	1.8	181	284	5.7	6.9	11.06	1.01	1985	1985
700	186	3079	186	4.3	17.2	-8.1	132	-2.9	181	285	9.0	10.0	12.07	0.92	1985	1985
650	183	3673	183	0.7	12.4	-11.1	104	-7.1	164	287	11.7	12.4	14.94	0.92	1989	1985
600	179	4315	179	-3.1	9.6	-14.1	73	-10.8	154	289	13.9	14.7	12.38	1.16	1989	1985
550	175	5012	175	-6.9	5.0	-16.5	53	-15.6	130	290	15.3	16.6	15.63	1.32	1989	1990
500	169	5736	169	-11.5	0.0	-22.1	34	-20.6	124	289	18.0	19.1	16.16	1.32	1989	1990
450	165	6543	165	-16.7	-5.5	-27.9	25	-24.6	101	288	19.6	21.3	19.23	0.86	1989	1990
400	160	7411	160	-22.6	-11.3	-34.1	20	-30.8	91	290	23.5	25.1	19.11	0.69	1989	1990
350	148	8395	148	-29.2	-13.9	-41.7	13	-38.5	62	289	24.6	26.6	27.10	0.88	1990	1990
300	144	9472	144	-35.8	-23.1	-48.9	4	-39.1	52	286	30.6	32.6	23.97	1.21	1990	1990
250	132	10722	132	-42.7	-28.9	-54.5			32	282	35.1	37.2	45.22	1.48	1990	1990
200	124	12213	124	-50.7	-37.9	-61.9			16	279	36.0	37.7	86.14	1.64	1990	1987
175	103	13064	103	-55.1	-41.7	-66.7			11	279	47.2	49.4	86.72	1.89	1990	1987
150	95	14034	95	-59.5	-43.7	-69.9			8	277	42.7	44.6	86.99	2.30	1987	1988
125	86	15149	86	-64.5	-55.5	-75.1			4	276	27.9	28.3	91.22	2.79	1989	1988
100	75	16510	75	-69.7	-58.3	-82.5			3	272	30.3	31.0	96.63	3.50	1989	1988
80	58	17829	58	-71.6	-54.9	-87.1			3	309	35.3	37.7	124.09	4.41	1989	1988
70	52	18632	52	-71.0	-61.9	-87.1			2	269	28.8	29.0	101.77	4.26	1989	1988
60	46	19504	46	-67.7	-56.1	-80.7			2	287	21.1	28.0	81.96	4.79	1990	1988
50	44	20623	44	-62.2	-47.5	-72.3			1	155	19.0	19.0	98.88	4.64	1990	1988
40	37	22017	37	-56.5	-48.5	-68.1							129.96	3.89	1989	1989
30	35	23845	35	-51.7	-41.3	-62.5							155.28	4.04	1989	1989
25	33	25002	33	-49.5	-37.9	-60.9							167.51	5.23	1989	1989
20	30	26482	30	-47.1	-30.9	-58.9							206.86	6.05	1986	1989
15	22	28286	22	-46.6	-40.1	-56.9							219.77	2.29	1987	1989
10	14	31021	14	-43.7	-37.3	-50.7									1987	1988
7	5	33269	5	-44.2	-37.7	-48.1									1987	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

184	642	379		15	202	1213	-57.4		61	092	1707	-72.5
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NORMALS OF RADIOSONDE DATA

42397 SILIGURI

APRIL 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDO	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	210	992	210	23.1	27.6	15.4	210	17.6	210	075	2.2	2.5	2.36	0.76	1989	1990
1000	172	52											13.33			
950	172	468	172	22.0	29.2	14.0	170	15.8	162	081	5.2	5.6	5.40	0.76	1989	1985
900	172	965	172	20.0	29.0	11.0	166	13.5	162	087	4.7	5.4	10.30	0.85	1985	1985
850	172	1455	172	17.4	27.2	8.0	164	10.3	162	093	0.9	4.0	8.87	0.81	1985	1984
800	172	1967	172	14.3	25.0	4.0	155	6.9	162	282	2.9	5.3	10.25	0.92	1987	1984
750	172	2506	172	10.9	21.6	0.0	140	3.7	161	284	7.3	8.3	12.48	0.93	1984	1984
700	172	3078	172	7.1	18.4	-4.5	127	-0.4	161	286	10.3	11.0	10.89	0.83	1984	1984
650	168	3669	168	3.3	15.4	-6.5	103	-4.6	133	287	12.5	13.1	15.78	0.92	1984	1990
600	168	4331	168	-0.8	12.0	-11.1	77	-8.9	123	287	14.4	15.2	12.48	1.00	1984	1990
550	164	5025	163	-5.0	6.2	-15.5	49	-14.1	111	289	14.3	15.8	14.66	0.92	1984	1990
500	160	5761	159	-9.6	-0.1	-20.1	35	-19.1	105	289	14.8	16.3	14.56	0.95	1984	1990
450	153	6564	153	-14.8	-6.9	-23.9	22	-24.2	84	288	14.6	16.8	17.60	1.10	1988	1990
400	150	7447	150	-20.9	-12.5	-31.5	15	-29.4	78	285	18.1	19.8	22.45	1.11	1987	1985
350	140	8429	140	-27.3	-17.5	-35.9	8	-37.1	59	279	20.6	22.3	20.76	1.39	1985	1990
300	134	9522	134	-34.5	-19.9	-44.1	2	-35.7	55	276	25.0	26.7	24.68	1.81	1990	1988
250	122	10778	122	-42.4	-29.7	-52.5	1	-44.9	34	273	29.1	31.4	29.33	2.84	1990	1988
200	112	12264	112	-50.9	-38.5	-63.5			23	273	35.0	37.3	79.56	3.47	1990	1988
175	102	13123	102	-54.9	-39.9	-67.1			16	277	40.9	44.0	90.62	2.60	1990	1988
150	88	14088	88	-59.5	-42.5	-71.1			6	266	38.6	39.5	75.24	2.60	1990	1988
125	74	15217	74	-64.6	-46.9	-77.1			2	264	29.5	30.0	95.53	2.48	1990	1988
100	66	16562	66	-70.0	-51.3	-85.7							118.12	2.43	1990	1990
80	47	17859	47	-72.1	-55.9	-87.1							139.41	3.45	1990	1988
70	44	18637	44	-71.3	-54.5	-85.1							134.62	4.57	1987	1988
60	34	19550	34	-68.7	-55.3	-84.3							140.40	5.65	1986	1988
50	27	20635	27	-63.3	-50.9	-81.9							175.71	6.90	1987	1988
40	22	22028	22	-58.0	-47.5	-77.9							193.57	5.75	1990	1988
30	19	23881	19	-51.9	-42.5	-68.3									1986	1988
25	15	25072	15	-48.7	-41.1	-62.9									1990	1988
20	12	26541	12	-45.3	-38.1	-59.1									1987	1988
15	6	28388	6	-44.2	-36.5	-55.5									1987	1988
10	4	31323	4	-40.2	-32.7	-43.9									1987	1987
7	1	33320	1	-40.9	-40.9	-40.9									1987	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

166 611 417

16 189 1261 -58.2

48 088 1738 -73.1

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

MAY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	217	991	217	24.7	28.8	20.0	217	21.0	217	072	1.9	2.3	1.41	0.46	1987	1987
1000	167	40											10.80			
950	167	457	167	23.6	35.2	15.2	167	19.2	159	082	4.4	4.9	11.80	1.05	1984	1990
900	167	957	167	21.8	34.2	12.8	167	17.3	159	096	4.4	5.3	10.98	1.69	1984	1990
850	167	1451	167	19.4	31.0	9.8	166	14.2	159	094	2.7	4.4	10.70	2.10	1984	1987
800	167	1970	167	16.6	27.2	5.8	163	11.7	159	196	0.3	5.1	13.33	2.44	1984	1987
750	167	2516	167	13.3	26.4	3.4	156	7.8	159	276	2.5	6.0	13.89	2.40	1984	1987
700	167	3092	166	9.8	24.8	1.0	146	3.6	158	284	5.4	7.9	21.56	2.40	1984	1987
650	165	3700	165	6.2	23.8	-2.5	133	-0.2	141	291	6.1	8.6	19.95	2.19	1984	1987
600	159	4351	159	2.3	17.6	-5.1	112	-4.7	129	287	7.3	9.5	27.97	1.35	1984	1987
550	158	5067	158	-1.7	10.2	-17.1	95	-9.8	120	291	7.5	9.6	22.38	1.04	1984	1985
500	151	5802	151	-5.8	1.0	-14.7	63	-14.2	114	288	7.8	9.9	33.36	1.15	1985	1984
450	147	6629	147	-10.9	-3.1	-20.7	46	-19.1	100	285	8.4	10.9	30.64	1.13	1988	1984
400	145	7514	145	-16.5	-8.5	-26.5	32	-23.9	98	278	10.6	13.6	30.85	1.04	1988	1985
350	140	8517	140	-22.7	-13.3	-33.1	20	-30.2	81	276	14.2	17.0	29.04	1.04	1985	1985
300	131	9627	130	-29.8	-19.1	-39.9	12	-36.6	74	271	18.0	20.7	33.67	1.31	1985	1988
250	119	10908	118	-38.1	-29.9	-48.9	3	-39.4	60	269	23.0	25.5	40.40	1.66	1989	1990
200	112	12409	112	-48.2	-37.3	-63.7			49	269	24.4	26.9	44.05	1.64	1984	1990
175	99	13280	99	-54.1	-44.9	-73.1			33	275	23.5	25.2	62.33	1.72	1984	1990
150	95	14251	95	-60.2	-47.1	-75.5			26	273	24.8	26.4	58.78	1.92	1990	1990
125	84	15359	84	-66.6	-55.1	-79.9			16	276	24.4	25.7	65.67	2.40	1990	1988
100	78	16681	78	-72.3	-52.3	-89.1			14	280	24.9	25.9	90.58	3.78	1990	1988
80	63	17976	63	-74.3	-61.9	-87.1			4	283	30.4	34.2	153.77	3.82	1989	1988
70	59	18755	59	-72.2	-60.5	-88.3			3	289	47.3	48.6	167.03	4.87	1989	1988
60	52	19642	52	-67.8	-53.1	-85.3			3	284	26.6	28.0	183.50	5.46	1989	1988
50	47	20751	47	-61.8	-48.9	-80.5			2	292	7.9	9.5	206.64	5.45	1989	1988
40	38	22159	38	-56.2	-45.1	-73.5			2	229	2.3	12.0	253.90	4.69	1986	1988
30	31	24041	31	-50.4	-40.1	-61.1			1	282	12.9	13.0	249.82	5.35	1986	1984
25	23	25253	23	-49.0	-38.3	-59.1			1	284	14.9	15.0	245.23	4.99	1988	1984
20	22	26721	22	-45.3	-33.5	-56.9			1	285	14.0	14.0	394.76	7.16	1986	1984
15	18	28646	18	-41.8	-27.1	-53.7			1	281	15.0	15.0			1986	1984
10	11	31388	11	-39.1	-32.5	-43.3									1987	1987
7	3	33743	3	-37.8	-34.7	-42.7									1988	1987

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

158 573 477

7 184 1299 -57.1

68 090 1732 -75.3

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

JUNE 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDC	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	210	937	210	26.3	31.0	23.0	210	24.3	210	073	1.5	1.8	1.41	0.40	1984	1984
1000	167	0											7.86			
950	167	418	167	25.7	33.6	21.6	165	23.1	137	086	3.7	4.4	11.18	0.88	1990	1990
900	167	922	167	23.9	33.4	17.8	165	21.0	137	096	4.2	5.3	12.17	1.07	1984	1989
850	167	1419	167	21.5	30.2	14.8	165	18.6	137	101	3.9	5.6	12.78	1.16	1984	1988
800	167	1943	167	19.0	28.8	11.6	165	16.1	136	103	3.4	6.0	14.29	1.17	1984	1988
750	167	2502	166	16.0	26.0	9.2	162	12.7	133	100	2.6	6.4	12.01	1.01	1984	1988
700	167	3076	166	12.6	21.4	5.2	160	9.1	133	101	2.2	7.0	19.45	0.89	1984	1984
650	159	3695	158	9.4	17.4	1.2	150	5.0	109	086	2.3	7.2	24.72	0.85	1984	1984
600	153	4351	150	5.9	13.4	-3.9	140	1.5	99	116	2.2	6.6	26.97	1.22	1988	1984
550	150	5082	149	2.4	11.4	-7.1	132	-2.6	94	159	1.9	6.9	27.24	1.33	1990	1984
500	146	5821	144	-1.4	6.4	-12.1	117	-6.7	92	219	2.2	6.9	32.90	1.13	1990	1988
450	143	6669	141	-5.8	1.6	-15.3	104	-12.2	81	227	2.3	7.5	46.91	1.00	1990	1988
400	135	7568	134	-10.8	-4.1	-20.9	78	-17.6	73	228	3.0	8.3	50.38	1.35	1990	1985
350	125	8594	125	-16.7	-10.7	-26.7	55	-24.2	60	229	3.5	9.2	45.27	1.25	1988	1988
300	118	9736	118	-23.9	-16.9	-32.9	37	-30.4	54	225	4.4	9.8	53.93	1.33	1990	1988
250	107	11048	106	-33.5	-23.5	-41.7	17	-39.8	40	232	5.7	9.4	54.99	1.44	1985	1988
200	98	12578	98	-45.7	-37.7	-53.7			27	226	6.4	10.0	81.61	1.35	1985	1988
175	86	13454	86	-52.9	-44.5	-60.7			16	234	8.5	11.1	77.43	1.40	1985	1986
150	80	14434	80	-61.0	-51.5	-69.7			12	244	7.8	10.7	104.28	2.23	1990	1990
125	69	15546	69	-68.3	-59.1	-77.5			6	254	10.4	13.0	115.36	1.72	1990	1990
100	60	16853	60	-73.8	-61.1	-81.3			3	246	5.2	8.7	140.26	2.17	1990	1986
80	51	18173	51	-72.5	-52.1	-83.3							140.13	4.18	1990	1986
70	48	18992	48	-68.1	-45.7	-79.9							144.42	5.42	1990	1988
60	42	19906	42	-63.9	-42.7	-74.1							181.18	4.58	1990	1988
50	36	21017	36	-58.4	-39.3	-68.3							194.31	3.92	1990	1988
40	26	22420	26	-52.7	-42.5	-61.3							217.12	3.95	1986	1987
30	20	24297	20	-47.5	-38.1	-54.7									1990	1988
25	14	25503	14	-45.9	-36.5	-51.3									1989	1987
20	10	26997	10	-42.7	-33.1	-47.5									1989	1988
15	7	28907	7	-39.5	-31.7	-43.1									1990	1988
10	2	31531	2	-38.3	-37.1	-39.5									1988	1988
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

150 522 551

57 096 1716 -75.7

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

JULY 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	988	217	25.9	28.6	23.0	217	24.8	217	078	1.6	1.9	0.75	0.27	1988	1989
<i>1000</i>	188	4											7.63			
<i>950</i>	188	427	188	24.9	32.0	18.8	188	23.4	127	092	3.8	4.4	6.11	0.77	1990	1985
<i>900</i>	188	928	188	23.0	30.2	13.4	188	21.3	127	099	4.0	5.1	5.07	1.22	1988	1985
<i>850</i>	188	1425	188	20.7	30.4	9.6	187	19.0	127	104	3.7	5.3	5.35	1.34	1988	1989
<i>800</i>	188	1947	188	18.2	28.0	10.0	187	16.5	123	107	3.3	5.7	7.03	1.46	1990	1985
<i>750</i>	188	2509	188	15.6	25.4	5.6	187	13.5	122	115	3.1	5.9	7.53	1.50	1990	1985
<i>700</i>	188	3079	188	12.8	23.6	0.0	187	10.4	122	121	3.0	6.0	14.40	1.61	1990	1985
<i>650</i>	185	3703	185	9.9	19.8	-1.3	183	6.9	97	137	2.4	5.5	17.46	1.48	1987	1985
<i>600</i>	176	4361	176	6.8	16.8	-3.9	174	3.1	88	139	2.0	5.4	21.85	1.37	1987	1985
<i>550</i>	169	5092	169	3.3	13.0	-7.5	164	-0.7	81	157	1.5	5.3	21.42	1.21	1987	1985
<i>500</i>	161	5838	161	-0.7	8.8	-12.1	156	-5.2	77	135	1.6	5.2	27.62	0.98	1987	1985
<i>450</i>	154	6687	154	-5.0	4.0	-17.1	146	-10.5	65	132	1.4	5.2	26.00	1.20	1987	1985
<i>400</i>	145	7592	145	-9.9	-3.9	-21.1	123	-16.1	57	107	1.9	5.6	33.54	0.94	1990	1990
<i>350</i>	133	8620	133	-15.6	-6.1	-22.1	92	-22.3	42	106	2.6	5.7	31.10	1.05	1987	1990
<i>300</i>	126	9768	126	-23.1	-15.5	-29.9	61	-30.6	35	086	3.1	5.7	45.96	0.90	1988	1988
<i>250</i>	111	11082	111	-32.7	-25.1	-38.5	26	-39.8	24	082	4.9	7.0	47.18	0.99	1988	1988
<i>200</i>	105	12613	105	-45.3	-37.3	-56.5			19	077	5.1	10.6	54.17	1.30	1985	1990
<i>175</i>	92	13493	92	-53.1	-45.1	-64.1			11	069	2.9	7.4	72.53	1.56	1988	1990
<i>150</i>	83	14466	83	-61.3	-50.3	-73.7			7	051	2.7	10.8	84.07	1.83	1987	1990
<i>125</i>	61	15564	61	-69.1	-56.1	-82.1			2	069	2.8	12.0	95.00	1.86	1987	1990
<i>100</i>	54	16871	54	-74.5	-64.3	-87.3			1	085	24.9	25.0	82.55	1.61	1990	1990
<i>80</i>	43	18176	43	-71.7	-61.7	-87.3			1	102	25.0	25.0	98.27	1.62	1990	1990
<i>70</i>	40	18994	40	-67.5	-58.1	-79.1			1	089	10.0	10.0	95.76	3.00	1986	1988
<i>60</i>	32	19921	32	-63.1	-50.1	-79.7			1	084	32.0	32.0	94.04	4.86	1989	1988
<i>50</i>	29	21017	29	-58.1	-46.3	-72.9			1	113	26.0	26.0	113.85	3.93	1990	1988
<i>40</i>	24	22433	24	-52.7	-42.1	-64.5			1	101	26.0	26.0	109.52	5.77	1986	1988
<i>30</i>	20	24259	20	-48.2	-35.5	-60.3									1986	1988
<i>25</i>	18	25448	18	-45.8	-34.9	-58.1									1986	1988
<i>20</i>	16	26941	16	-43.5	-36.5	-55.1									1987	1988
<i>15</i>	13	28882	13	-41.2	-35.3	-51.1									1987	1988
<i>10</i>	6	31743	6	-39.2	-34.7	-45.1									1987	1988
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
161	510	569					49	099	1689	-76.0

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

AUGUST 1984-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	217	989	217	26.3	29.4	23.0	217	23.5	217	076	1.5	1.8	1.13	0.54	1984	1989
<i>1000</i>	193	13											7.35			
<i>950</i>	193	427	193	25.4	31.4	21.0	190	23.6	140	085	3.5	4.0	9.03	0.89	1990	1985
<i>900</i>	193	937	193	23.4	29.8	17.0	190	21.3	140	092	3.3	4.3	10.63	1.09	1988	1984
<i>850</i>	193	1434	193	21.1	28.4	13.0	190	18.8	140	096	3.5	4.6	12.83	1.10	1986	1984
<i>800</i>	193	1957	193	18.4	25.8	10.4	189	15.9	140	096	4.0	5.2	15.68	1.05	1990	1984
<i>750</i>	193	2516	193	15.7	24.6	7.6	187	12.8	140	106	4.2	5.7	14.06	1.08	1990	1984
<i>700</i>	193	3090	193	12.8	20.4	5.4	186	9.1	140	108	4.1	5.9	21.20	1.00	1988	1984
<i>650</i>	188	3708	188	9.6	17.8	2.0	181	5.2	111	108	3.9	6.2	21.13	0.94	1988	1985
<i>600</i>	192	4368	182	6.4	16.4	-0.9	173	1.5	100	111	3.4	6.0	24.21	0.93	1985	1987
<i>550</i>	179	5100	179	2.8	10.8	-4.5	166	-2.5	95	121	3.0	5.9	20.15	0.89	1988	1984
<i>500</i>	176	5842	176	-1.2	7.8	-9.1	150	-6.5	94	110	2.6	5.9	28.20	0.92	1990	1984
<i>450</i>	168	6692	168	-5.4	7.6	-13.7	132	-11.2	79	105	3.0	6.0	31.58	1.07	1986	1984
<i>400</i>	161	7593	161	-10.5	-0.3	-18.5	112	-16.6	75	104	3.1	6.1	32.82	1.51	1988	1984
<i>350</i>	156	8514	156	-16.4	-4.9	-23.9	94	-23.9	61	106	3.8	6.5	32.15	1.56	1988	1984
<i>300</i>	145	9759	145	-24.2	-12.7	-32.1	48	-30.8	49	103	5.0	7.1	36.45	1.21	1988	1990
<i>250</i>	132	11060	132	-34.2	-26.7	-42.7	17	-40.3	38	098	4.5	8.8	49.05	1.34	1988	1987
<i>200</i>	121	12581	121	-47.4	-39.7	-55.5			25	078	6.6	9.8	43.39	1.28	1988	1987
<i>175</i>	107	13450	107	-55.1	-46.5	-64.3			18	083	4.7	9.5	39.07	1.63	1984	1987
<i>150</i>	100	14424	100	-63.0	-53.1	-74.7			14	083	7.3	10.4	42.69	2.81	1984	1987
<i>125</i>	87	15517	87	-70.9	-60.1	-89.1			8	097	9.2	11.5	81.71	4.34	1984	1987
<i>100</i>	74	16833	74	-75.3	-65.1	-88.9			5	066	11.7	13.4	96.32	4.49	1990	1987
<i>80</i>	66	18130	66	-72.1	-58.5	-90.3			3	081	16.7	18.0	122.24	4.27	1990	1987
<i>70</i>	62	18949	62	-68.8	-54.9	-82.9			2	075	19.3	20.5	118.53	2.29	1990	1986
<i>60</i>	57	19850	57	-64.5	-50.7	-79.9			2	079	21.3	22.5	125.15	3.41	1990	1988
<i>50</i>	50	20936	50	-59.9	-45.9	-70.1			2	081	22.0	23.5	156.89	5.05	1990	1984
<i>40</i>	34	22329	34	-56.5	-48.5	-67.7			2	076	20.3	21.5	147.25	4.88	1988	1984
<i>30</i>	23	24204	23	-52.4	-41.9	-66.1			1	066	39.0	39.0	143.17	6.26	1989	1984
<i>25</i>	22	25347	22	-49.9	-40.1	-65.1			1	060	44.0	44.0	152.02	6.81	1988	1984
<i>20</i>	17	26798	17	-47.3	-38.1	-63.7			1	064	48.0	48.0			1989	1984
<i>15</i>	15	28692	15	-45.1	-35.7	-62.1			1	064	48.0	48.0			1989	1984
<i>10</i>	9	31281	9	-45.0	-35.5	-60.1			1	080	52.0	52.0			1990	1984
<i>7</i>	2	33332	2	-50.1	-45.1	-55.1			1	077	56.0	56.0			1988	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

177 514 564

74 101 1682 -76.0

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

SEPTEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	213	992	213	25.2	29.4	21.0	213	23.3	213	075	1.3	1.7	1.32	0.97	1990	1986
<i>1000</i>	170	45											11.32			
<i>950</i>	170	456	170	24.6	35.2	19.0	168	22.7	130	083	3.1	3.8	12.17	1.11	1990	1984
<i>900</i>	170	967	170	22.7	35.4	16.2	167	20.5	130	094	3.1	4.4	10.25	1.26	1990	1984
<i>850</i>	170	1461	170	20.3	33.0	14.0	167	17.5	131	096	2.9	4.7	10.79	1.30	1990	1984
<i>800</i>	170	1982	170	17.7	31.2	11.6	163	14.8	131	102	2.4	4.8	11.70	1.32	1990	1989
<i>750</i>	170	2532	170	14.8	28.0	7.4	161	11.8	130	113	2.1	5.1	15.04	1.43	1990	1984
<i>700</i>	170	3111	170	11.8	24.0	3.8	160	8.4	131	122	1.5	5.1	17.98	1.43	1990	1984
<i>650</i>	169	3725	169	8.4	20.0	-1.3	156	4.0	110	209	0.3	5.3	21.20	1.48	1990	1984
<i>600</i>	167	4384	167	5.0	16.4	-7.5	149	0.3	106	242	1.4	5.7	22.79	1.39	1990	1984
<i>550</i>	159	5107	159	1.4	12.4	-7.9	137	-3.6	92	265	2.9	6.3	20.86	1.32	1990	1984
<i>500</i>	158	5853	158	-2.7	8.0	-10.3	132	-8.1	89	262	3.7	7.0	28.51	1.46	1988	1990
<i>450</i>	151	6693	151	-7.2	2.4	-15.3	112	-12.9	81	253	4.0	7.3	29.44	1.40	1990	1984
<i>400</i>	142	7596	142	-12.1	-4.5	-21.7	87	-17.8	70	254	3.7	7.5	36.53	1.38	1989	1990
<i>350</i>	139	8608	139	-18.4	-10.7	-29.7	74	-25.2	56	261	4.7	7.7	32.71	1.82	1990	1990
<i>300</i>	131	9743	131	-26.0	-17.7	-37.3	42	-33.2	53	251	4.1	7.3	45.21	1.79	1990	1990
<i>250</i>	125	11040	125	-35.5	-22.3	-49.9	17	-40.5	41	251	4.9	8.7	52.83	1.21	1987	1990
<i>200</i>	112	12563	112	-47.9	-38.1	-65.1			30	272	5.6	11.0	62.45	1.87	1988	1990
<i>175</i>	103	13435	103	-54.8	-43.5	-66.7			18	305	4.0	11.0	80.91	2.37	1988	1990
<i>150</i>	91	14397	91	-62.7	-48.7	-75.5			16	288	3.7	11.7	89.96	2.33	1988	1987
<i>125</i>	80	15503	80	-70.1	-55.5	-85.5			11	291	5.4	12.1	106.23	2.89	1988	1989
<i>100</i>	72	16817	71	-74.4	-62.9	-89.5			11	186	1.5	10.3	111.96	2.63	1990	1989
<i>80</i>	64	18138	64	-71.0	-56.3	-88.7			7	080	4.7	12.0	109.22	2.21	1987	1989
<i>70</i>	60	18960	60	-66.9	-51.1	-81.9			7	073	2.3	8.4	124.14	2.90	1988	1989
<i>60</i>	58	19866	58	-62.6	-51.3	-77.9			6	076	3.0	8.3	127.16	3.49	1990	1990
<i>50</i>	50	21030	50	-57.7	-45.7	-70.7			4	101	8.5	11.5	208.83	3.61	1989	1987
<i>40</i>	41	22452	41	-53.6	-44.1	-62.7			3	063	11.2	12.3	215.89	4.00	1990	1990
<i>30</i>	36	24293	36	-50.1	-41.9	-56.9			2	107	6.4	11.5	238.20	2.63	1989	1988
<i>25</i>	27	25442	27	-47.7	-40.7	-53.9			1	094	23.0	23.0	83.74	3.76	1988	1988
<i>20</i>	24	26937	24	-44.9	-37.1	-57.3			1	123	11.0	11.0	101.96	3.95	1983	1989
<i>15</i>	22	28848	22	-42.2	-33.1	-57.9			1	101	13.0	13.0	149.14	4.55	1983	1989
<i>10</i>	6	31571	6	-41.7	-33.1	-51.3									1987	1989
<i>7</i>	1	33780	1	-43.9	-43.9	-43.9									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
162	535	534					68	101	1675	-76.2

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

OCTOBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	238	996	234	23.1	29.0	19.0	234	20.4	238	056	1.0	1.4	1.27	0.72	1989	1983
1000	203	83	19	21.7	26.8	19.0	18	17.5	13	045	0.8	0.9	13.07		1986	1983
950	203	491	203	22.8	31.2	16.8	198	18.3	187	063	2.3	3.2	12.40	1.11	1990	1984
900	203	999	203	21.0	29.4	10.2	195	15.1	187	081	1.7	3.4	10.42	1.05	1984	1984
850	203	1489	203	18.1	26.0	7.0	187	12.2	187	097	1.7	3.9	9.60	1.15	1984	1984
800	203	2006	203	15.1	28.2	5.4	179	8.9	185	117	1.1	4.6	11.20	1.28	1984	1984
750	203	2548	203	11.8	21.4	3.2	169	5.2	186	117	1.0	4.9	13.23	1.19	1990	1984
700	203	3122	203	8.5	19.0	-0.9	148	0.8	186	302	0.2	5.5	13.70	1.10	1983	1990
650	200	3725	200	4.9	14.8	-6.9	117	-2.4	175	275	1.2	6.1	18.84	1.06	1990	1990
600	198	4373	198	1.6	12.0	-10.1	83	-5.2	167	273	4.7	7.6	17.30	0.99	1983	1990
550	197	5091	195	-2.0	5.8	-13.5	68	-9.2	163	271	7.9	9.6	17.02	0.77	1987	1990
500	195	5828	195	-6.1	2.0	-17.1	50	-12.4	160	271	9.9	11.5	19.58	0.68	1990	1990
450	191	6652	191	-10.8	-1.5	-21.1	39	-17.3	148	268	12.8	14.3	23.27	0.49	1988	1990
400	188	7544	188	-16.1	-7.1	-25.5	27	-22.9	141	267	15.2	16.7	19.12	0.62	1988	1990
350	174	8545	174	-22.2	-11.5	-30.1	16	-28.6	102	267	17.8	19.3	12.34	1.02	1990	1987
300	168	9660	168	-29.4	-20.7	-38.1	10	-36.7	88	264	20.7	22.3	23.44	1.40	1984	1987
250	158	10938	157	-38.3	-28.1	-45.9	1	-40.9	63	266	23.4	25.3	31.43	1.50	1985	1987
200	149	12437	149	-49.5	-41.5	-59.7			44	264	23.7	26.5	46.96	1.70	1988	1986
175	132	13302	132	-56.0	-47.9	-66.9			28	263	20.0	21.6	52.24	1.38	1990	1985
150	123	14269	123	-62.9	-52.1	-72.3			18	262	16.7	17.9	61.41	1.39	1989	1987
125	106	15369	106	-69.4	-57.5	-81.7			12	262	12.9	14.2	72.65	1.92	1989	1990
100	92	16686	91	-73.3	-62.1	-84.5			7	259	9.7	10.4	113.92	3.27	1990	1987
80	82	18009	82	-70.1	-52.1	-80.5			4	302	4.3	4.8	153.16	2.74	1990	1990
70	73	18832	73	-65.8	-49.1	-76.1			4	327	5.0	9.0	153.22	3.86	1990	1990
60	64	19762	64	-61.0	-42.1	-71.3			2	087	9.0	18.5	204.75	2.87	1990	1990
50	52	20901	52	-56.7	-47.1	-66.1			1	109	25.0	25.0	192.24	3.96	1983	1985
40	44	22309	44	-52.6	-42.7	-61.1			1	123	13.0	13.0	202.00	2.47	1989	1985
30	40	24182	40	-48.9	-34.9	-57.5							228.13	2.76	1989	1986
25	32	25369	32	-46.6	-32.1	-55.3							291.83	3.66	1989	1989
20	29	26884	29	-44.6	-36.5	-53.9							330.47	4.31	1990	1989
15	23	28822	23	-42.7	-34.5	-52.7							418.81	5.53	1990	1989
10	14	31619	14	-40.0	-31.5	-50.9									1983	1989
7	3	34009	3	-39.9	-36.3	-44.1									1990	1983

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
198	580	468					92	104	1650	-74.5

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

NOVEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	229	1000	229	18.7	25.2	15.0	229	15.3	229	040	1.3	1.5	1.00	0.50	1987	1990
1000	207	116	111	18.5	29.0	15.0	109	12.8	109	036	1.7	1.9	8.05	0.96	1988	1990
950	207	521	207	18.4	31.8	10.0	202	11.2	204	054	2.4	3.0	11.81	1.94	1990	1984
900	207	1017	207	16.6	33.2	6.0	196	7.7	204	075	1.5	2.6	5.84	2.55	1990	1984
850	207	1499	207	13.5	28.0	4.2	185	4.2	204	086	1.7	2.9	7.65	2.52	1990	1984
800	207	2007	207	10.3	25.2	1.6	180	0.6	204	100	1.8	3.6	11.22	2.45	1990	1984
750	207	2539	207	7.1	21.6	-1.9	147	-2.9	204	116	1.4	4.4	16.00	2.48	1990	1984
700	207	3103	207	4.0	18.0	-5.9	94	-6.2	204	291	0.4	5.3	18.70	2.44	1990	1984
650	205	3701	204	1.1	14.6	-10.5	60	-10.9	195	287	4.1	7.5	27.68	2.72	1990	1984
600	200	4342	200	-1.9	11.0	-13.5	31	-13.9	185	285	8.3	10.3	26.58	2.61	1990	1984
550	199	5046	199	-5.5	8.6	-16.1	15	-16.1	179	282	11.4	13.1	34.87	2.68	1990	1984
500	196	5773	196	-9.8	2.8	-21.3	8	-21.9	176	282	14.3	15.4	40.77	2.71	1990	1984
450	191	6586	189	-14.8	-4.9	-25.7	3	-21.0	156	280	16.5	17.9	49.81	2.57	1990	1984
400	191	7461	191	-20.9	-10.3	-32.7	2	-27.0	154	279	20.9	22.6	54.16	2.38	1986	1989
350	187	8450	187	-27.0	-16.3	-41.9	1	-31.3	130	278	25.4	27.6	66.01	2.38	1986	1989
300	182	9535	182	-33.9	-22.9	-49.5			109	277	31.0	33.6	75.43	2.30	1986	1989
250	164	10794	164	-41.9	-30.7	-56.9			72	276	37.5	40.2	89.01	2.10	1990	1989
200	142	12290	142	-51.5	-41.3	-61.9			45	278	39.4	41.8	93.29	1.92	1988	1989
175	126	13149	125	-57.3	-42.1	-69.1			29	277	40.8	42.2	99.57	2.43	1988	1989
150	113	14108	113	-62.9	-50.1	-79.9			23	282	41.5	42.9	115.99	3.44	1989	1989
125	95	15225	95	-67.1	-54.1	-85.9			9	275	38.6	40.3	124.09	2.89	1989	1989
100	87	16555	87	-71.5	-58.5	-85.9			7	278	39.6	40.9	119.93	2.68	1989	1989
80	72	17882	72	-72.0	-57.1	-89.9			4	262	32.0	33.0	136.52	3.01	1988	1987
70	66	18686	66	-70.0	-54.1	-86.9			3	262	27.6	27.7	127.40	2.77	1988	1987
60	58	19610	58	-65.8	-56.5	-83.1			1	271	38.0	38.0	131.73	2.94	1988	1987
50	52	20747	52	-60.3	-49.3	-76.9			1	287	39.0	39.0	152.62	3.62	1988	1987
40	45	22156	45	-55.2	-44.5	-68.9							167.68	3.05	1986	1987
30	35	24008	35	-50.6	-43.9	-63.9							152.41	2.22	1988	1987
25	29	25173	29	-47.9	-42.1	-60.5							155.02	2.01	1988	1987
20	28	25673	28	-45.8	-37.1	-60.1							168.83	2.69	1985	1987
15	23	28601	23	-44.5	-35.3	-58.1							139.46	2.99	1985	1987
10	16	31246	16	-43.2	-36.9	-53.3									1985	1987
7	8	33688	8	-41.9	-37.5	-46.1									1988	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
203	630	398	5	158	1370	-64.1	74	094	1696	-74.2

NORMALS OF RADIOSONDE DATA

42397 SILIGURI

DECEMBER 1983-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	236	1003	236	15.0	20.0	8.2	236	12.3	236	052	1.1	1.3	1.58	0.73	1985	1989
<i>1000</i>	199	135	174	15.0	20.0	8.6	171	12.0	172	048	1.3	1.4	9.66	0.84	1985	1989
<i>950</i>	199	536	199	15.5	27.2	8.6	191	9.0	197	060	2.2	2.9	10.11	1.89	1990	1984
<i>900</i>	199	1027	199	13.8	23.3	3.6	183	5.8	197	077	1.4	2.7	15.08	1.74	1988	1984
<i>850</i>	199	1506	199	10.8	22.6	2.2	168	2.5	197	089	1.9	2.8	17.11	1.55	1988	1984
<i>800</i>	199	2007	199	7.9	18.8	-1.7	152	-1.0	197	102	1.6	3.3	19.63	1.38	1988	1984
<i>750</i>	199	2540	199	5.1	15.2	-3.7	129	-4.4	196	227	0.1	4.4	24.49	1.35	1988	1983
<i>700</i>	199	3096	199	2.5	13.8	-5.1	95	-7.9	197	289	3.9	6.9	23.33	1.49	1990	1989
<i>650</i>	191	3695	191	0.1	12.2	-7.9	56	-12.5	185	288	8.0	10.0	26.93	1.64	1990	1987
<i>600</i>	186	4333	186	-2.7	8.8	-12.5	30	-15.8	174	287	12.1	13.4	26.21	1.86	1988	1985
<i>550</i>	183	5034	183	-6.4	5.2	-17.5	20	-18.0	167	289	15.0	16.3	32.10	1.89	1988	1985
<i>500</i>	177	5759	177	-11.2	0.2	-21.9	16	-22.9	160	288	17.3	18.4	35.41	1.67	1988	1986
<i>450</i>	172	6564	172	-16.6	-5.9	-27.9	14	-26.3	134	289	20.6	22.0	33.04	1.24	1988	1988
<i>400</i>	166	7433	166	-22.5	-11.9	-34.5	14	-31.0	121	288	23.6	25.3	37.52	0.90	1985	1988
<i>350</i>	155	8413	155	-29.2	-19.9	-41.1	5	-38.1	85	289	26.7	28.8	39.80	1.37	1988	1988
<i>300</i>	145	9492	145	-36.5	-26.9	-48.3	1	-35.9	72	287	30.0	32.1	39.35	1.95	1988	1990
<i>250</i>	135	10739	135	-44.4	-32.5	-59.1			47	287	36.9	39.2	46.06	1.00	1989	1990
<i>200</i>	131	12214	131	-53.1	-41.9	-62.7			37	282	37.6	39.7	56.13	2.19	1989	1990
<i>175</i>	114	13053	114	-57.4	-47.9	-74.5			19	279	40.6	42.2	57.79	2.94	1986	1990
<i>150</i>	96	14027	96	-61.1	-50.3	-77.1			16	279	40.6	41.8	58.96	3.54	1989	1987
<i>125</i>	80	15147	80	-65.5	-54.1	-81.1			7	278	36.5	37.8	91.47	3.89	1989	1987
<i>100</i>	64	16499	64	-69.4	-56.1	-84.1			3	286	44.7	45.3	93.16	4.75	1986	1987
<i>80</i>	57	17823	57	-70.0	-57.5	-86.7			2	281	35.9	36.0	113.67	3.84	1989	1988
<i>70</i>	51	18636	51	-68.0	-55.1	-86.7			2	287	36.4	36.5	174.03	5.96	1989	1988
<i>60</i>	44	19543	44	-64.3	-51.9	-78.1			2	280	29.3	29.5	192.10	5.74	1989	1987
<i>50</i>	42	20661	42	-59.9	-47.9	-75.9			2	290	23.6	24.0	233.68	5.70	1989	1987
<i>40</i>	34	22073	34	-54.8	-44.9	-71.5			1	345	30.0	30.0	287.09	4.89	1986	1987
<i>30</i>	24	23898	24	-51.3	-41.3	-56.1							370.91	3.60	1987	1987
<i>25</i>	20	25106	20	-49.7	-39.7	-63.3									1988	1987
<i>20</i>	17	26602	17	-47.7	-38.3	-59.9									1986	1987
<i>15</i>	12	28306	12	-47.5	-42.5	-54.3									1988	1987
<i>10</i>	7	31048	7	-46.4	-44.5	-49.1									1990	1987
<i>7</i>	5	33476	5	-44.7	-43.3	-46.1									1986	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

195 553 369

14 204 1212 -54.2

60 097 1677 -70.6

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	845	619	-0.9	6.4	-10.0	615	-1.3	619	112	0.1	0.2	1.58	1.68	1990	1977
1000	534	218											18.44			
950	533	604											23.29			
900	534	1078											15.62			
850	534	1537	30	-3.1	2.6	-8.5	27	-3.9	29	139	0.2	0.3	14.35	3.03	1988	1986
800	534	2021	534	-1.5	6.8	-13.1	515	-4.5	534	122	0.5	1.7	13.25	1.97	1988	1986
750	534	2532	534	-3.6	5.0	-15.1	503	-7.3	534	135	0.9	2.0	19.61	1.84	1972	1986
700	534	3076	534	-6.2	2.0	-15.0	486	-11.0	534	145	2.1	3.0	13.46	1.55	1971	1978
650	531	3659	531	-8.9	0.4	-16.9	452	-14.9	528	155	3.4	4.6	21.71	1.39	1985	1984
600	528	4272	527	-12.7	-1.1	-21.9	424	-19.5	526	174	4.5	6.1	19.08	1.35	1982	1984
550	524	4941	523	-17.2	-7.1	-28.0	378	-23.7	522	204	5.4	8.0	27.73	1.43	1986	1973
500	523	5639	522	-22.0	-12.0	-31.0	347	-28.1	522	227	7.5	10.7	25.69	1.54	1972	1975
450	520	6410	519	-27.3	-17.1	-38.0	312	-33.1	518	242	10.0	13.6	33.92	1.65	1982	1973
400	517	7250	516	-33.1	-22.7	-43.0	253	-38.6	515	251	13.5	17.0	35.54	2.01	1990	1975
350	493	8176	492	-39.8	-26.3	-51.0	160	-44.9	483	257	16.9	20.9	44.64	2.29	1988	1978
300	480	9216	478	-46.8	-34.3	-58.0	72	-52.6	472	263	22.3	26.3	51.95	2.49	1989	1978
250	432	10406	431	-53.3	-37.3	-64.0	17	-57.1	402	267	27.3	31.0	61.02	2.62	1989	1973
200	370	11832	370	-56.5	-42.5	-70.0	6	-56.5	269	267	33.8	36.7	74.26	2.66	1990	1978
175	258	12680	258	-57.6	-43.5	-71.0	1	-62.0	115	272	32.2	34.5	84.51	2.73	1982	1973
150	174	13640	174	-58.9	-45.0	-71.7			74	273	34.2	36.2	97.97	2.61	1973	1985
125	101	14797	101	-60.7	-50.0	-70.7			19	276	26.5	27.9	85.60	2.22	1971	1985
100	77	16171	77	-62.8	-54.1	-74.0			9	275	20.8	23.0	112.28	2.61	1981	1978
80	38	17507	38	-62.9	-55.0	-77.0			1	306	17.0	17.0	107.05	2.16	1971	1978
70	27	18326	27	-61.8	-54.0	-58.0			1	306	14.0	14.0	116.12	2.15	1971	1971
60	19	19253	19	-61.0	-52.0	-68.0									1971	1978
50	14	20375	14	-60.3	-51.5	-67.0									1981	1971
40	5	21783	6	-57.6	-48.3	-68.0									1983	1978
30	4	23625	4	-57.0	-47.3	-67.0									1981	1978
25	3	24837	3	-54.5	-43.3	-66.0									1981	1978
20	2	26415	2	-46.9	-41.5	-52.3									1981	1981
15	2	28328	2	-45.0	-41.5	-48.5									1981	1981
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
207	797	205	262	245	1059	-57.2	18	104	1623	-65.0

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

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0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	843	565	0.7	7.0	-12.0	565	0.1	565	116	0.1	0.4	1.57	1.30	1978	1972
1000	467	192											16.67			
950	465	583											23.31			
900	465	1058											17.12			
850	465	1520	7	1.4	5.0	-1.5	7	0.3	7	037	0.0	0.9	18.26		1978	1987
800	465	2007	465	-0.3	8.0	-8.0	463	-3.4	465	127	0.5	2.1	18.20	1.16	1973	1974
750	465	2520	465	-2.5	6.6	-12.0	464	-6.1	465	138	0.9	2.3	20.90	1.28	1987	1974
700	465	3066	465	-5.4	2.8	-14.0	463	-9.5	465	148	1.9	3.2	19.38	1.33	1988	1976
650	463	3649	463	-8.4	2.2	-21.0	446	-13.8	463	153	4.0	5.4	25.13	1.42	1984	1975
600	463	4264	463	-12.3	-2.5	-22.3	425	-18.5	463	177	4.8	6.7	22.37	1.40	1988	1984
550	460	4934	460	-16.7	-5.3	-27.0	396	-23.2	460	206	5.5	8.4	33.17	1.39	1988	1976
500	460	5633	460	-21.5	-7.1	-33.0	372	-28.0	459	230	7.5	11.0	27.47	1.43	1988	1976
450	452	6407	452	-26.7	-13.1	-38.0	330	-33.2	451	242	10.1	13.7	38.00	1.72	1988	1976
400	451	7244	451	-32.5	-19.5	-43.0	282	-38.9	450	251	13.6	17.6	33.42	2.10	1990	1978
350	440	8177	440	-39.1	-26.1	-50.0	194	-44.9	436	259	17.8	21.5	43.94	2.53	1989	1978
300	433	9220	433	-46.2	-31.5	-57.0	107	-51.9	427	263	23.0	26.7	50.75	2.92	1989	1977
250	400	10415	400	-52.6	-38.0	-66.0	38	-56.2	383	266	28.9	32.5	64.98	3.24	1977	1978
200	359	11847	359	-54.9	-39.9	-69.0	7	-58.9	269	268	35.2	38.2	81.34	3.02	1986	1978
175	258	12698	258	-55.6	-40.5	-70.0			106	271	37.9	40.1	89.25	2.88	1989	1978
150	182	13660	182	-57.5	-41.3	-68.7			79	272	37.4	39.9	95.79	3.43	1989	1985
125	100	14807	100	-59.6	-51.3	-69.1			26	276	29.0	31.2	122.53	3.54	1983	1985
100	69	16196	69	-61.2	-48.1	-71.0			20	274	25.8	27.7	148.44	4.06	1989	1976
80	32	17543	32	-61.5	-53.5	-68.0			3	259	21.9	24.0	138.77	2.09	1981	1971
70	27	18357	27	-62.0	-54.5	-66.0			1	247	4.9	5.0	161.43	3.01	1982	1971
60	20	19325	20	-61.1	-55.1	-66.0			1	351	6.9	7.0			1982	1977
50	14	20464	13	-59.9	-55.1	-70.0			1	265	12.9	13.0			1982	1977
40	12	21869	12	-58.6	-53.5	-74.0									1982	1977
30	8	23793	8	-53.9	-48.7	-60.5									1981	1979
25	6	24945	6	-50.9	-47.5	-60.5									1981	1979
20	4	26624	4	-46.1	-45.1	-46.7									1981	1981
15	4	28549	4	-43.2	-41.5	-46.1									1981	1981
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
311	781	219	280	244	1059	-56.4	19	099	1649	-63.5

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	843	620	4.7	16.0	-2.1	620	3.4	620	347	0.1	0.5	1.30	1.17	1973	1983
<i>1000</i>	541	169											11.31			
<i>950</i>	541	567											17.21			
<i>900</i>	541	1048											10.98			
<i>850</i>	541	1517											11.12			
<i>800</i>	541	2010	540	4.1	16.0	-5.5	535	0.3	541	120	0.4	2.1	11.73	1.62	1977	1983
<i>750</i>	541	2531	541	1.6	12.0	-8.9	531	-2.5	541	138	1.3	2.5	18.25	1.75	1977	1983
<i>700</i>	541	3085	541	-1.6	9.4	-12.1	527	-6.2	541	145	2.1	3.4	17.06	1.68	1984	1982
<i>650</i>	538	3675	538	-4.9	5.0	-16.3	506	-10.9	538	157	3.4	4.9	25.22	1.56	1977	1982
<i>600</i>	539	4298	539	-8.9	3.0	-20.5	469	-15.5	539	181	4.0	6.6	23.00	1.45	1989	1982
<i>550</i>	535	4975	535	-13.5	-2.0	-24.3	431	-19.9	535	216	4.9	8.4	30.71	1.43	1975	1982
<i>500</i>	533	5685	533	-18.4	-7.1	-29.0	403	-24.8	532	237	6.8	10.7	29.93	1.49	1984	1971
<i>450</i>	523	6467	523	-23.7	-7.0	-35.1	361	-29.9	521	249	9.7	13.7	36.59	1.61	1976	1982
<i>400</i>	521	7315	521	-29.8	-17.3	-43.0	319	-35.7	520	257	12.9	17.1	38.91	1.84	1984	1978
<i>350</i>	505	8254	505	-36.6	-24.0	-52.0	241	-42.0	503	261	17.0	21.4	48.95	2.12	1972	1978
<i>300</i>	502	9309	502	-44.5	-31.7	-60.0	135	-49.7	496	265	21.3	25.8	53.41	2.37	1985	1978
<i>250</i>	472	10510	472	-52.3	-35.7	-64.0	28	-56.3	447	267	26.9	31.0	63.86	2.29	1989	1978
<i>200</i>	444	11932	444	-55.9	-37.1	-69.0	6	-57.7	343	272	32.4	36.1	69.71	2.39	1989	1975
<i>175</i>	324	12783	324	-55.7	-40.1	-71.0	1	-56.0	174	274	32.9	35.7	80.38	2.46	1980	1975
<i>150</i>	242	13761	242	-56.8	-43.1	-66.0			130	277	33.0	35.8	94.23	2.39	1989	1971
<i>125</i>	165	14907	165	-59.5	-44.7	-70.0			59	273	29.5	32.5	101.21	3.10	1989	1971
<i>100</i>	140	16292	140	-62.1	-46.1	-73.0			34	273	26.3	27.8	115.45	3.86	1989	1974
<i>80</i>	106	17660	106	-62.8	-42.3	-73.0			8	307	15.8	20.2	123.11	4.62	1989	1971
<i>70</i>	86	18493	86	-62.5	-45.5	-72.0			8	296	15.5	19.0	145.31	3.26	1989	1971
<i>60</i>	65	19461	64	-61.4	-48.1	-71.0			4	254	6.4	13.5	153.52	3.29	1981	1971
<i>50</i>	57	20607	57	-58.9	-46.1	-70.0			1	254	19.0	19.0	167.22	3.82	1981	1971
<i>40</i>	40	22082	40	-54.1	-39.3	-65.0			1	235	3.0	3.0	182.72	4.94	1981	1971
<i>30</i>	31	23992	31	-48.7	-35.1	-63.1			1	195	4.0	4.0	340.68	5.23	1981	1989
<i>25</i>	26	25218	25	-46.1	-33.9	-61.5			1	143	4.0	4.0	383.22	5.53	1981	1989
<i>20</i>	22	26734	22	-42.8	-28.3	-58.7			1	195	4.0	4.0	93.58	2.33	1989	1989
<i>15</i>	18	28696	18	-39.2	-28.1	-55.5									1989	1989
<i>10</i>	4	31415	4	-42.3	-27.5	-50.1									1989	1989
<i>7</i>	3	33670	3	-45.2	-39.9	-49.5									1989	1989

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
518	722	283	352	232	1101	-57.5	67	095	1681	-64.2

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

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0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	591	842	591	9.4	16.0	0.2	591	7.1	591	330	0.1	0.4	1.05	1.08	1971	1983
1000	525	137											8.95			
950	525	543											16.64			
900	525	1029											9.16			
850	525	1505											9.60			
800	526	2907	526	8.7	17.6	-0.7	526	3.8	526	120	0.5	2.2	10.55	1.23	1979	1983
750	525	2535	526	6.3	15.0	-2.3	525	0.7	526	131	0.9	2.3	14.75	1.24	1976	1983
700	525	3100	526	2.9	12.0	-5.1	520	-3.0	526	146	0.8	2.8	13.48	1.18	1971	1984
650	524	3698	524	-0.7	7.8	-14.0	496	-7.6	524	156	1.7	3.9	23.87	1.10	1981	1977
600	522	4332	522	-4.8	3.8	-16.0	453	-12.6	522	191	1.7	5.3	17.05	1.11	1981	1976
550	517	5021	517	-9.5	0.0	-22.0	406	-17.2	517	230	2.8	7.0	24.92	1.06	1981	1978
500	516	5741	516	-14.4	-4.7	-26.0	372	-22.3	516	251	4.6	8.8	21.56	1.02	1981	1978
450	515	6534	515	-19.8	-10.1	-34.0	326	-27.5	514	262	7.1	11.0	26.32	0.97	1981	1978
400	512	7398	512	-25.9	-16.1	-42.0	280	-33.1	510	266	9.9	13.6	26.92	1.04	1981	1976
350	507	8350	507	-32.9	-23.3	-43.3	216	-40.1	504	269	12.7	16.8	29.74	1.36	1981	1990
300	503	9423	503	-40.9	-30.1	-53.0	113	-47.7	499	274	16.8	21.0	32.18	1.75	1988	1978
250	479	10644	479	-49.4	-33.5	-64.0	36	-55.5	456	274	21.0	25.0	37.91	2.27	1982	1978
200	446	12085	446	-55.7	-40.9	-72.0	4	-57.3	369	275	26.1	30.2	45.28	2.34	1980	1978
175	344	12935	344	-56.7	-44.1	-71.1			211	276	25.9	29.7	61.96	3.11	1980	1987
150	262	13911	262	-58.1	-45.7	-71.0			178	278	27.0	30.6	85.80	3.63	1985	1978
125	188	15069	187	-60.7	-49.5	-74.0			81	273	24.4	27.5	95.38	2.86	1985	1974
100	158	16429	158	-64.3	-51.3	-76.0			60	268	20.4	24.4	111.21	3.63	1985	1978
80	95	17791	95	-65.1	-49.3	-79.0			12	272	8.4	11.4	130.14	5.18	1985	1978
70	76	18635	76	-63.9	-48.1	-76.0			10	271	11.0	13.3	171.26	4.65	1985	1978
60	60	19551	60	-62.6	-46.7	-74.0			10	282	10.8	13.9	208.54	5.63	1985	1976
50	50	20597	50	-59.6	-48.5	-75.0			6	294	4.6	9.5	173.20	4.80	1981	1976
40	36	22122	36	-55.3	-44.1	-67.0			2	290	12.0	17.0	220.81	4.71	1981	1971
30	27	24032	27	-50.2	-38.5	-63.5							307.00	5.10	1981	1982
25	22	25266	22	-46.4	-37.1	-55.5							343.55	5.26	1981	1979
20	18	26809	18	-42.8	-35.1	-52.1									1981	1982
15	12	28820	12	-41.0	-32.9	-50.7									1981	1982
10	3	31684	3	-37.2	-30.3	-45.1									1981	1981
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

523 662 356 267 216 1162 -57.8 79 103 1636 -66.8

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	617	840	617	12.9	24.0	5.4	617	10.2	617	108	0.1	0.5	1.07	1.38	1974	1982
<i>1000</i>	513	102											17.62			
<i>950</i>	512	518											16.71			
<i>900</i>	513	1005											13.63			
<i>850</i>	513	1488											12.10			
<i>800</i>	514	1996	513	12.3	25.0	3.0	513	6.7	513	126	0.9	2.4	10.24	1.98	1977	1982
<i>750</i>	513	2530	513	9.8	20.8	0.0	510	3.3	513	110	0.3	2.3	12.65	2.20	1990	1982
<i>700</i>	513	3102	513	6.4	19.8	-3.3	508	-0.6	513	130	0.1	2.6	9.39	2.17	1990	1982
<i>650</i>	512	3708	512	2.7	16.2	-7.0	485	-5.1	512	148	0.4	3.9	18.04	2.00	1990	1974
<i>600</i>	511	4349	511	-1.6	9.8	-18.0	461	-9.8	511	253	1.1	5.4	15.14	1.88	1990	1977
<i>550</i>	509	5044	509	-6.4	4.0	-16.9	429	-14.7	509	265	2.3	6.6	27.11	1.87	1978	1987
<i>500</i>	508	5774	508	-11.5	-0.5	-21.9	384	-20.4	508	271	4.1	8.2	22.78	1.68	1984	1987
<i>450</i>	505	6575	505	-16.7	-5.3	-28.0	311	-25.5	505	272	6.1	9.9	29.47	1.73	1984	1974
<i>400</i>	505	7449	505	-22.9	-11.3	-34.0	255	-31.5	505	271	8.4	12.2	34.25	1.86	1984	1975
<i>350</i>	500	8417	500	-29.8	-14.7	-41.1	205	-38.3	500	275	11.3	15.1	43.34	2.08	1984	1987
<i>300</i>	498	9500	497	-37.5	-21.7	-50.3	145	-45.4	496	276	15.1	19.0	50.09	2.52	1984	1987
<i>250</i>	486	10738	485	-45.7	-30.0	-58.1	50	-53.0	466	276	20.0	24.0	63.10	2.97	1976	1987
<i>200</i>	466	12201	466	-52.3	-36.9	-64.1	8	-56.8	402	277	24.6	28.2	80.26	2.68	1990	1987
<i>175</i>	381	13059	380	-54.7	-42.0	-67.9	1	-51.0	254	277	26.7	29.4	110.22	2.65	1976	1987
<i>150</i>	306	14035	305	-57.0	-46.0	-71.5			217	277	25.7	27.9	66.14	2.12	1976	1987
<i>125</i>	214	15176	213	-61.0	-50.0	-74.0			118	276	23.9	25.9	82.87	2.66	1976	1978
<i>100</i>	172	16553	172	-64.7	-51.7	-78.0			90	277	19.1	21.5	94.68	3.74	1986	1978
<i>80</i>	120	17925	120	-66.6	-54.1	-78.0			32	280	12.5	17.3	101.20	3.38	1982	1978
<i>70</i>	105	18743	105	-66.1	-54.0	-78.0			28	285	8.8	15.4	99.29	4.63	1975	1978
<i>60</i>	83	19679	83	-63.9	-52.9	-76.0			19	306	5.4	11.8	95.41	3.74	1982	1978
<i>50</i>	69	20817	69	-60.3	-40.7	-74.0			15	324	3.0	10.2	157.77	4.39	1981	1978
<i>40</i>	39	22226	39	-56.4	-45.7	-71.0			8	029	3.5	7.0	144.15	5.27	1982	1978
<i>30</i>	25	24166	25	-50.2	-41.7	-61.0			2	095	9.4	9.5	157.99	5.85	1982	1976
<i>25</i>	17	25337	17	-47.2	-39.3	-55.1			2	029	3.3	7.5			1981	1981
<i>20</i>	14	26837	14	-45.0	-38.1	-57.1									1989	1985
<i>15</i>	13	28780	13	-43.1	-31.3	-56.1									1981	1985
<i>10</i>	5	31331	5	-45.3	-39.5	-55.3									1982	1985
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
509	621	409	200	217	1167	-54.4	101	097	1684	-67.3

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	567	836	567	16.9	26.0	9.0	567	13.9	567	126	0.1	0.3	1.52	1.56	1978	1986
1000	497	41											20.39			
950	495	461											18.47			
900	495	955											16.61			
850	495	1445											15.48			
800	495	1960	493	16.6	25.0	7.0	493	10.8	494	112	0.6	2.0	13.19	1.64	1978	1974
750	495	2504	494	14.1	24.8	4.0	493	7.1	495	013	0.1	2.2	20.14	1.63	1990	1974
700	495	3084	493	10.5	23.8	-2.5	486	3.3	495	319	0.7	2.4	11.81	1.56	1990	1988
650	494	3696	492	6.5	18.4	-5.9	477	-0.9	494	308	0.9	3.5	19.88	1.31	1990	1988
600	494	4347	493	2.0	13.2	-9.1	460	-5.7	494	306	1.5	4.3	13.97	1.31	1990	1988
550	492	5056	492	-2.7	9.0	-12.7	437	-11.0	492	309	2.1	5.4	26.35	1.44	1990	1988
500	491	5792	491	-7.8	6.2	-15.9	384	-16.7	491	300	3.2	6.3	17.94	1.47	1990	1986
450	482	6610	482	-12.7	-1.7	-21.1	315	-22.1	482	286	5.2	8.0	24.55	1.68	1979	1986
400	482	7493	482	-17.9	-5.0	-28.0	254	-27.8	482	286	8.4	11.0	26.34	2.12	1973	1972
350	472	8487	472	-23.5	-10.1	-35.3	177	-33.4	470	281	12.3	15.1	36.57	2.30	1986	1988
300	470	9596	470	-30.0	-18.1	-42.3	135	-40.0	468	282	17.0	19.9	45.58	2.16	1984	1983
250	452	10874	452	-37.4	-25.3	-52.1	91	-47.2	438	280	21.0	23.9	52.47	1.94	1984	1986
200	424	12387	424	-46.4	-35.3	-58.5	19	-54.6	372	278	23.9	26.9	57.59	1.78	1984	1979
175	334	13271	333	-51.8	-42.1	-66.0			219	278	22.5	25.4	62.56	1.88	1986	1978
150	286	14261	286	-57.7	-47.7	-74.0			201	277	22.4	25.5	71.72	2.85	1986	1978
125	221	15395	221	-64.5	-47.9	-83.0			98	281	18.9	22.6	77.20	3.60	1982	1978
100	177	16742	177	-70.1	-54.7	-87.0			79	288	13.9	19.3	99.92	4.18	1986	1978
80	112	18065	112	-71.1	-55.3	-90.0			29	320	3.9	11.3	122.84	4.19	1985	1978
70	87	18886	87	-68.9	-58.1	-86.0			21	097	2.8	11.2	131.74	4.25	1981	1978
60	66	19812	66	-64.8	-53.7	-79.0			13	065	2.0	8.6	134.60	4.66	1981	1971
50	60	20940	60	-60.2	-47.5	-73.0			11	070	8.4	9.9	152.49	4.79	1981	1978
40	44	22360	44	-54.8	-33.1	-72.0			8	087	8.6	9.2	159.51	5.63	1981	1976
30	33	24239	32	-49.9	-37.5	-71.0			6	089	12.4	12.8	226.28	8.14	1981	1976
25	24	25456	24	-46.9	-38.1	-54.0			3	089	15.6	16.3	193.36	4.52	1982	1978
20	13	27016	13	-43.0	-35.5	-51.3									1986	1985
15	11	28958	11	-41.5	-32.5	-49.1									1981	1985
10	4	31479	4	-43.4	-39.9	-46.3									1989	1985
7	1	33671	1	-43.3	-43.3	-43.3									1985	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

490 578 467

26 224 1165 -49.6

115 101 1680 -72.3

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	834	620	19.6	28.0	10.0	620	17.5	620	104	0.1	0.4	1.12	1.02	1978	1981
<i>1000</i>	571	9											15.46			
<i>950</i>	572	427											19.81			
<i>900</i>	572	932											13.27			
<i>850</i>	572	1426											12.40			
<i>800</i>	572	1946	572	18.5	27.2	11.0	572	14.6	572	061	0.5	2.2	11.08	1.12	1979	1976
<i>750</i>	572	2488	572	15.8	23.0	6.0	572	11.6	572	351	0.7	2.3	18.51	1.08	1979	1975
<i>700</i>	571	3077	571	12.2	21.0	2.0	570	8.0	571	322	0.8	2.5	9.46	0.97	1985	1975
<i>650</i>	571	3691	571	8.2	18.4	-2.0	569	4.1	571	309	0.5	2.8	16.26	0.80	1985	1975
<i>600</i>	570	4349	569	4.2	13.0	-6.0	564	-0.7	570	303	0.6	3.4	8.32	0.95	1990	1975
<i>550</i>	568	5065	568	0.1	9.0	-11.0	543	-6.3	568	288	0.7	4.5	23.33	1.06	1978	1975
<i>500</i>	564	5808	563	-4.4	6.4	-16.0	495	-11.6	564	263	1.6	5.4	10.59	1.08	1986	1975
<i>450</i>	564	6640	563	-8.9	1.8	-21.0	437	-16.9	564	256	3.5	7.2	18.41	1.09	1986	1975
<i>400</i>	561	7537	558	-13.6	-3.5	-25.0	380	-22.7	561	259	6.0	9.6	17.07	1.02	1990	1976
<i>350</i>	551	8543	548	-19.2	-9.3	-31.0	280	-28.1	549	263	8.6	12.2	19.52	0.99	1981	1975
<i>300</i>	550	9675	548	-25.9	-16.7	-37.7	224	-34.8	547	263	11.2	14.8	24.16	1.07	1981	1984
<i>250</i>	539	10975	539	-34.3	-24.5	-46.5	137	-43.0	526	264	14.2	17.6	28.15	1.57	1989	1984
<i>200</i>	517	12504	517	-44.9	-34.5	-57.0	41	-52.7	445	266	15.6	18.9	33.95	2.36	1981	1972
<i>175</i>	403	13382	403	-51.6	-39.9	-63.0	6	-55.2	267	271	14.8	17.9	50.22	3.03	1987	1976
<i>150</i>	334	14364	334	-58.4	-44.3	-70.0			225	274	13.3	16.6	59.24	3.49	1986	1976
<i>125</i>	251	15486	251	-65.7	-49.0	-82.0			117	295	8.6	13.3	80.67	4.13	1973	1978
<i>100</i>	216	16821	216	-70.7	-51.1	-87.0			99	321	5.5	12.2	100.35	4.39	1986	1978
<i>80</i>	148	18131	148	-70.4	-54.1	-88.0			43	063	6.4	10.2	141.38	3.49	1986	1978
<i>70</i>	123	18955	123	-67.6	-53.3	-83.0			39	084	6.7	10.7	170.96	3.82	1982	1978
<i>60</i>	91	19903	91	-64.2	-51.9	-79.0			26	082	6.5	9.8	170.23	4.09	1981	1978
<i>50</i>	74	21060	74	-59.0	-47.7	-72.0			18	089	10.4	12.1	170.69	3.90	1981	1978
<i>40</i>	48	22471	48	-55.2	-42.5	-64.3			10	067	8.7	10.1	172.54	4.20	1981	1984
<i>30</i>	31	24277	31	-52.1	-43.1	-61.1			5	088	14.4	15.6	177.96	3.08	1984	1984
<i>25</i>	22	25446	22	-50.7	-41.3	-59.1			4	099	14.5	15.0	218.39	4.34	1984	1984
<i>20</i>	14	26949	14	-49.0	-39.3	-60.1									1984	1984
<i>15</i>	5	28797	5	-45.0	-38.5	-52.5									1981	1984
<i>10</i>	4	31324	4	-44.7	-38.1	-50.5									1984	1984
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
562	548	510	4	265	1098	-44.9	160	101	1683	-72.6

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	618	835	618	18.5	26.0	10.4	618	17.0	618	125	0.1	0.3	1.00	1.07	1974	1980
<i>1000</i>	558	25											11.95			
<i>950</i>	558	440											13.66			
<i>900</i>	558	946											9.57			
<i>850</i>	558	1439											10.98			
<i>800</i>	559	1957	559	18.0	27.2	10.0	559	14.7	559	042	0.6	2.2	8.66	1.17	1984	1972
<i>750</i>	559	2500	558	15.6	25.0	7.0	558	11.8	559	349	0.9	2.4	17.31	1.23	1984	1972
<i>700</i>	558	3087	557	12.1	21.6	3.4	557	8.4	558	317	0.8	2.2	7.64	1.17	1984	1989
<i>650</i>	557	3703	556	8.2	18.2	0.0	556	4.2	557	302	0.4	2.5	14.39	1.16	1984	1979
<i>600</i>	552	4359	552	4.2	16.0	-4.7	549	-0.8	552	243	0.3	3.2	10.90	1.18	1974	1982
<i>550</i>	550	5078	550	0.2	9.4	-10.5	529	-6.0	550	221	0.8	4.0	29.53	1.37	1990	1982
<i>500</i>	550	5820	548	-4.1	5.0	-14.9	485	-11.3	550	232	1.9	5.3	16.41	1.35	1984	1989
<i>450</i>	546	6654	544	-8.5	4.0	-20.5	423	-16.5	545	243	4.1	7.1	22.97	1.37	1984	1989
<i>400</i>	543	7549	542	-13.4	-2.5	-26.0	362	-21.9	541	254	6.6	9.3	24.68	1.53	1988	1976
<i>350</i>	536	8555	536	-19.1	-6.7	-30.5	272	-28.0	536	259	8.9	11.8	30.73	1.77	1988	1989
<i>300</i>	535	9690	535	-26.0	-13.9	-37.0	204	-34.9	534	260	11.9	14.6	37.88	2.08	1988	1971
<i>250</i>	521	10988	521	-34.6	-23.0	-50.0	132	-44.0	513	260	13.7	16.7	51.99	2.52	1973	1976
<i>200</i>	499	12514	499	-45.4	-32.0	-64.0	27	-54.6	443	262	15.4	18.5	69.11	3.14	1973	1976
<i>175</i>	400	13393	400	-52.0	-40.9	-63.0	1	-60.0	262	266	15.2	18.3	83.43	3.69	1983	1976
<i>150</i>	325	14377	325	-59.0	-45.0	-71.1			219	265	13.4	16.9	110.76	4.19	1973	1985
<i>125</i>	236	15504	236	-65.9	-50.0	-81.0			109	276	9.9	14.4	135.41	4.78	1973	1978
<i>100</i>	202	16850	202	-70.7	-54.1	-84.0			88	286	5.0	11.7	160.08	4.41	1986	1978
<i>80</i>	145	18176	145	-69.6	-55.7	-81.0			43	062	2.3	9.8	170.30	4.38	1986	1978
<i>70</i>	120	18992	120	-66.9	-52.1	-82.0			35	096	5.8	9.0	189.53	4.72	1986	1978
<i>60</i>	87	19941	87	-62.8	-51.5	-74.0			24	088	4.8	7.0	202.27	4.24	1982	1978
<i>50</i>	74	21086	74	-59.4	-48.5	-71.5			21	102	6.1	8.5	256.01	3.96	1981	1984
<i>40</i>	31	22468	31	-55.3	-42.5	-63.0			11	094	13.4	13.8	412.02	3.64	1981	1978
<i>30</i>	15	24411	15	-52.5	-43.7	-59.5			6	086	15.6	16.3			1986	1984
<i>25</i>	8	25618	8	-51.0	-41.1	-58.3			3	091	11.2	11.3			1986	1984
<i>20</i>	4	27275	4	-49.1	-37.9	-56.7									1986	1984
<i>15</i>																
<i>10</i>																
<i>7</i>																

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

550 547 512

150 101 1685 -72.0

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	596	840	596	13.4	22.2	5.0	596	11.9	596	111	0.0	0.2	0.95	1.24	1983	1972
1000	495	96											14.87			
950	494	501											15.50			
900	495	1000											11.03			
850	495	1485											10.62			
800	495	1995	495	14.4	23.4	3.4	493	9.3	495	078	0.5	1.9	9.65	1.25	1987	1982
750	495	2528	495	12.4	22.0	-1.1	494	6.3	495	335	0.6	2.1	17.74	1.55	1988	1982
700	495	3112	494	9.0	19.0	-5.1	492	2.6	494	308	0.4	2.1	10.46	1.64	1973	1982
650	494	3720	494	5.1	16.0	-6.3	482	-1.9	494	148	0.4	2.8	19.63	1.77	1973	1982
600	491	4370	491	1.0	11.0	-9.7	446	-7.2	491	179	0.6	3.8	15.43	1.97	1973	1984
550	486	5074	486	-3.6	9.0	-13.9	395	-12.3	486	222	1.4	5.0	27.93	2.02	1973	1984
500	485	5811	485	-8.2	2.0	-17.3	349	-17.2	485	243	2.8	6.3	24.69	2.07	1983	1982
450	479	6628	479	-12.9	-0.9	-26.0	269	-22.1	479	257	5.5	8.8	32.59	2.14	1990	1974
400	476	7512	476	-18.1	-5.5	-30.7	210	-27.2	475	262	9.0	12.1	36.60	2.23	1990	1988
350	469	8500	469	-23.7	-11.1	-37.3	156	-33.1	465	264	13.3	15.9	38.43	2.24	1990	1987
300	460	9615	460	-30.2	-19.1	-45.5	121	-39.6	459	265	17.9	20.2	53.69	2.24	1990	1987
250	439	10894	439	-38.1	-28.9	-50.7	82	-47.3	434	265	22.1	24.4	65.16	2.28	1990	1987
200	408	12402	408	-47.8	-36.7	-61.0	21	-55.0	376	266	25.0	27.3	74.75	2.43	1988	1977
175	309	13263	309	-53.6	-41.9	-65.0	4	-57.8	183	263	25.3	27.3	82.83	2.94	1988	1976
150	230	14235	230	-59.9	-46.1	-71.5			146	268	23.7	25.8	101.60	3.21	1988	1987
125	145	15359	145	-65.4	-50.9	-77.0			63	264	20.8	23.0	120.01	3.95	1988	1978
100	114	16702	114	-68.9	-57.5	-81.0			47	264	16.6	19.6	139.03	3.88	1984	1978
80	76	18038	75	-68.0	-58.0	-82.0			16	306	6.1	12.7	96.75	3.98	1977	1978
70	68	18853	68	-65.3	-56.1	-76.0			14	298	1.6	7.9	101.74	3.33	1981	1978
60	54	19778	54	-62.1	-49.1	-71.0			8	187	2.9	9.3	94.32	4.06	1981	1974
50	38	20926	38	-57.8	-48.5	-68.0			5	123	1.2	7.8	97.84	4.25	1979	1974
40	26	22383	26	-53.4	-43.5	-64.0			1	060	6.0	6.0	140.39	4.89	1982	1974
30	14	24331	14	-48.7	-38.1	-61.1			1	093	14.0	14.0			1982	1984
25	9	25414	9	-48.6	-36.3	-60.1			1	083	7.9	8.0			1982	1984
20	3	26731	3	-52.4	-48.1	-58.1									1981	1984
15	2	28760	2	-47.7	-46.1	-49.3									1981	1989
10	1	31472	1	-46.7	-46.7	-46.7									1989	1989
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
488	587	455	5	287	0978	-43.7	85	105	1637	-69.9

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	844	620	6.8	18.0	-1.1	620	6.0	620	122	0.1	0.2	1.20	0.80	1971	1984
<i>1000</i>	501	167											12.49			
<i>950</i>	500	560											16.11			
<i>900</i>	499	1053											9.38			
<i>850</i>	499	1526											9.83			
<i>800</i>	500	2026	500	9.4	18.0	-1.1	500	3.2	500	122	0.8	1.8	10.29	1.33	1975	1982
<i>750</i>	500	2552	500	7.8	19.0	-2.7	500	0.0	499	138	0.4	1.6	13.66	1.36	1973	1982
<i>700</i>	500	3125	500	4.4	16.0	-6.7	497	-4.2	500	167	0.2	2.1	11.11	1.46	1973	1982
<i>650</i>	498	3720	497	0.6	12.0	-10.3	468	-8.8	496	143	1.0	3.1	19.18	1.30	1973	1983
<i>600</i>	495	4361	494	-3.6	8.0	-15.1	399	-13.8	495	182	1.4	4.4	15.81	1.27	1978	1983
<i>550</i>	494	5045	493	-8.4	3.8	-19.3	337	-18.3	493	229	2.2	5.7	18.67	1.20	1983	1983
<i>500</i>	491	5775	491	-13.4	-3.0	-23.5	276	-23.4	491	252	4.0	7.5	20.85	1.21	1973	1983
<i>450</i>	485	6568	484	-18.7	-6.0	-29.1	217	-28.9	483	263	6.9	10.2	22.74	1.24	1975	1985
<i>400</i>	480	7439	480	-24.5	-10.0	-36.7	171	-34.0	480	266	10.5	13.5	27.65	1.35	1975	1985
<i>350</i>	466	8399	466	-30.9	-12.0	-40.3	130	-39.4	464	268	14.3	17.1	31.88	1.61	1974	1985
<i>300</i>	459	9480	459	-37.6	-25.0	-48.0	91	-45.6	457	271	19.4	21.8	37.20	1.89	1973	1974
<i>250</i>	432	10721	432	-44.8	-30.7	-57.7	53	-51.8	428	271	24.8	27.7	47.74	2.62	1989	1982
<i>200</i>	393	12186	393	-52.4	-38.9	-66.7	16	-58.5	337	272	30.0	32.8	47.57	2.52	1989	1979
<i>175</i>	256	13039	256	-56.3	-42.0	-70.0			144	267	30.9	33.2	72.84	2.69	1973	1976
<i>150</i>	197	14005	197	-60.2	-50.1	-72.0			114	269	30.8	32.8	88.92	2.86	1984	1976
<i>125</i>	118	15135	118	-63.2	-53.5	-74.1			40	264	26.7	28.4	108.69	3.80	1984	1979
<i>100</i>	101	16488	101	-65.4	-55.1	-76.0			24	268	20.4	21.8	111.38	3.40	1982	1977
<i>80</i>	67	17853	67	-64.3	-54.0	-74.0			6	278	10.5	15.5	93.22	5.58	1974	1971
<i>70</i>	52	18683	52	-62.6	-52.7	-74.1			6	261	17.2	22.0	84.82	5.09	1982	1980
<i>60</i>	34	19614	34	-60.9	-51.1	-71.0			1	281	11.0	11.0	42.44	5.02	1982	1977
<i>50</i>	21	20739	21	-59.2	-49.3	-73.1			1	322	19.0	19.0	94.65	2.76	1982	1984
<i>40</i>	13	22183	13	-56.6	-46.5	-61.0									1982	1977
<i>30</i>	4	24030	4	-54.0	-52.1	-56.5									1984	1981
<i>25</i>	3	25235	3	-52.9	-50.1	-56.5									1982	1981
<i>20</i>	2	26747	2	-50.7	-47.1	-54.3									1982	1984
<i>15</i>	1	28588	1	-53.7	-53.7	-53.7									1984	1984
<i>10</i>																
<i>7</i>																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
493	644	381	28	212	1179	-57.2	56	109	1611	-67.6

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	846	599	1.8	10.0	-4.0	595	1.3	598	123	0.1	0.2	0.89	1.43	1972	1974
1000	511	215											11.03			
950	511	598											11.90			
900	511	1084											9.40			
850	511	1549	15	0.6	6.6	-2.5	14	-0.1	14	144	0.4	0.9	8.19		1979	1983
800	512	2039	512	4.1	12.0	-5.0	512	-1.4	512	130	0.7	1.7	9.02	1.11	1978	1978
750	512	2560	512	2.5	12.0	-8.0	511	-4.4	512	152	0.3	1.5	16.06	1.26	1978	1978
700	511	3118	510	-0.2	9.2	-9.0	496	-8.6	511	144	0.6	2.1	11.00	1.32	1988	1978
650	511	3710	511	-3.3	6.0	-14.3	437	-13.1	511	149	1.9	3.4	18.23	1.41	1972	1990
600	508	4337	508	-7.4	2.8	-17.5	359	-17.6	508	171	2.3	4.7	15.12	1.42	1988	1989
550	507	5020	507	-12.1	-0.9	-22.0	304	-21.8	507	221	3.0	6.1	23.70	1.38	1988	1978
500	504	5731	504	-17.1	-6.3	-28.0	262	-26.4	504	251	5.2	8.8	21.69	1.47	1988	1978
450	495	6517	495	-22.4	-11.7	-33.0	228	-31.4	495	262	8.3	11.8	28.78	1.51	1990	1978
400	493	7371	493	-28.4	-17.9	-39.0	191	-36.6	493	267	12.0	15.5	28.41	1.67	1990	1977
350	478	8315	478	-34.8	-22.9	-45.0	141	-42.8	475	271	15.5	19.0	36.39	1.92	1981	1974
300	467	9378	467	-42.0	-28.9	-52.1	90	-49.3	465	274	20.3	23.9	41.02	2.10	1981	1979
250	429	10590	429	-49.4	-29.3	-62.0	41	-55.5	418	275	25.4	29.0	49.29	2.04	1985	1977
200	387	12034	387	-55.6	-44.9	-66.9	7	-59.1	327	276	30.7	34.2	63.14	2.10	1981	1990
175	270	12886	270	-57.8	-47.1	-68.0			135	279	31.4	34.0	78.83	2.43	1988	1978
150	186	13865	186	-59.8	-47.5	-71.5			106	277	32.6	34.6	90.85	2.59	1988	1988
125	122	14995	122	-62.0	-49.5	-72.1			36	278	30.9	32.4	86.65	2.82	1980	1979
100	93	16363	93	-63.9	-51.1	-76.0			25	273	27.7	29.3	92.61	3.51	1988	1974
80	52	17745	52	-63.5	-53.1	-71.5			5	260	20.1	20.8	95.16	3.40	1988	1981
70	43	18583	43	-62.5	-53.9	-73.0			2	267	20.5	21.0	94.98	3.25	1980	1977
60	33	19552	33	-61.7	-48.1	-74.0			1	252	14.0	14.0	95.64	3.77	1980	1971
50	22	20690	22	-58.4	-41.5	-69.0			1	255	16.0	16.0	152.30	4.92	1980	1971
40	17	22140	17	-55.2	-36.7	-65.0									1980	1971
30	13	23962	13	-52.5	-45.5	-62.0									1980	1971
25	8	25083	8	-51.8	-47.3	-60.0									1981	1971
20	5	26578	5	-49.8	-46.1	-53.1									1981	1981
15	1	28191	1	-46.7	-46.7	-46.7									1982	1982
10																
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
378	704	309	104	224	1128	-56.6	32	109	1596	-65.3

NORMALS OF RADIOSONDE DATA

42027 SRINAGAR

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	618	846	618	-0.4	6.4	-6.0	617	-0.8	618	127	0.0	0.2	1.50	1.26	1985	1971
1000	506	232											12.47			
950	506	615											15.09			
900	506	1096											12.36			
850	506	1556	54	-1.2	3.8	-4.9	52	-1.8	50	135	0.2	0.5	12.17	1.10	1986	1986
800	505	2041	506	0.2	9.2	-9.5	504	-3.7	506	126	0.5	1.7	11.64	1.40	1987	1980
750	505	2559	505	-1.6	9.8	-11.0	503	-6.8	505	137	0.5	1.7	17.15	1.74	1988	1977
700	505	3104	505	-3.7	8.0	-15.0	480	-10.5	504	146	1.6	2.7	12.61	1.64	1988	1977
650	505	3692	505	-6.3	5.2	-18.0	425	-14.7	503	152	3.3	4.3	21.75	1.76	1988	1977
600	504	4310	504	-10.2	3.4	-22.0	389	-18.8	504	177	4.3	5.8	18.02	1.77	1988	1977
550	502	4988	502	-14.7	0.0	-26.0	355	-22.9	502	203	5.2	7.6	26.69	1.84	1988	1977
500	502	5691	502	-19.7	-4.5	-33.0	323	-27.2	502	233	7.2	10.2	26.75	1.73	1988	1977
450	497	6471	496	-24.9	-11.3	-40.0	297	-32.1	497	246	10.2	13.4	31.90	1.79	1987	1977
400	495	7313	494	-30.8	-17.5	-49.0	254	-37.4	495	255	13.8	17.1	37.17	1.95	1987	1977
350	474	8246	474	-37.4	-23.7	-54.0	177	-44.0	471	260	18.5	21.8	43.39	2.41	1988	1977
300	469	9299	469	-44.7	-32.1	-58.3	100	-50.9	467	264	23.5	26.9	53.93	2.76	1984	1979
250	433	10499	432	-51.9	-38.1	-65.0	21	-55.4	408	268	28.5	31.6	65.75	2.76	1989	1977
200	376	11928	375	-57.0	-41.9	-68.0	6	-55.2	291	267	34.5	37.4	78.67	2.46	1980	1977
175	252	12769	251	-58.5	-45.0	-73.0			134	272	35.4	37.2	85.50	3.14	1973	1978
150	182	13710	182	-60.4	-48.0	-71.0			95	273	36.4	38.2	95.75	3.40	1973	1977
125	100	14827	99	-62.4	-52.0	-72.0			38	273	30.7	32.0	122.75	3.01	1973	1978
100	78	16192	78	-64.4	-52.0	-76.0			29	274	25.3	26.7	129.86	2.98	1971	1978
80	45	17566	45	-64.2	-54.3	-73.0			4	273	18.1	18.2	126.10	3.79	1980	1971
70	27	18389	27	-64.3	-53.1	-73.0			4	271	16.3	17.5	115.51	5.33	1980	1976
60	18	19344	18	-62.7	-53.0	-70.0			2	271	20.4	21.0			1972	1978
50	13	20498	13	-60.1	-50.0	-69.0									1972	1977
40	6	22018	6	-55.8	-43.5	-63.3									1982	1982
30	4	23937	4	-51.6	-38.7	-58.3									1982	1982
25	3	25013	3	-54.4	-51.1	-55.9									1982	1982
20	3	26456	3	-52.2	-47.7	-54.9									1982	1982
15	2	28263	2	-47.7	-43.1	-52.3									1982	1982
10	2	30982	2	-40.4	-36.3	-44.5									1982	1982
7																

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
235	781	224	170	233	1097	-57.7	27	109	1579	-65.8

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	611	1003	611	23.0	29.0	17.0	610	20.2	611	035	0.8	1.3	0.87	0.61	1972	1972
1000	597	94	590	22.8	28.0	17.0	588	19.8	578	034	1.4	2.8	7.17	0.61	1972	1974
950	597	527	597	21.5	27.0	17.0	595	15.8	584	044	1.0	2.7	17.08	0.70	1977	1977
900	597	1008	597	19.0	25.6	12.0	595	11.8	585	055	1.3	3.0	6.75	1.02	1989	1972
850	597	1497	597	16.5	23.2	9.0	586	7.2	583	050	1.7	3.6	7.41	1.01	1989	1977
800	596	2012	596	14.3	22.0	7.0	543	1.9	582	062	1.7	4.0	8.20	1.15	1974	1975
750	596	2550	596	12.0	20.0	4.0	470	-2.6	583	077	1.9	4.4	9.46	1.14	1977	1975
700	596	3129	596	9.2	16.0	4.0	410	-6.2	584	082	2.2	4.9	10.95	1.10	1977	1971
650	593	3731	593	5.9	17.0	-4.5	362	-9.5	583	083	2.9	5.4	11.50	1.10	1977	1986
600	590	4390	590	2.4	9.0	-4.0	326	-12.8	580	083	3.8	6.1	15.11	1.10	1977	1973
550	589	5087	589	-1.5	7.0	-10.5	301	-16.6	578	079	4.4	6.7	16.00	1.17	1976	1982
500	588	5843	588	-5.7	5.0	-12.1	276	-20.4	577	077	4.5	7.4	20.96	1.27	1977	1979
450	587	6656	587	-10.5	-3.0	-22.0	255	-25.1	572	075	4.3	7.9	20.85	1.40	1978	1978
400	586	7561	586	-16.0	-8.3	-26.0	223	-31.0	569	071	3.6	8.4	29.73	1.57	1990	1978
350	578	8550	578	-23.0	-12.1	-30.5	190	-37.5	561	076	2.1	8.5	28.27	1.67	1990	1982
300	576	9669	576	-31.3	-19.1	-40.1	165	-44.7	559	142	1.7	8.5	42.96	1.78	1990	1982
250	564	10934	563	-41.7	-27.3	-51.1	88	-52.4	543	164	4.1	10.0	51.79	1.90	1990	1979
200	561	12410	561	-53.8	-38.7	-66.0	2	-57.5	536	168	5.8	12.4	64.71	1.89	1990	1971
175	546	13256	546	-60.6	-45.1	-70.0			518	170	5.5	13.1	71.29	1.83	1990	1971
150	532	14201	532	-68.0	-52.3	-80.0			507	159	4.4	12.9	78.38	1.83	1990	1971
125	507	15281	507	-74.5	-61.1	-85.0			479	138	3.0	12.0	87.14	1.91	1990	1978
100	481	16563	481	-79.7	-61.0	-89.5			449	101	3.1	9.6	94.88	1.88	1977	1983
80	428	17836	428	-77.1	-59.7	-89.7			387	083	3.2	7.8	104.63	2.47	1990	1985
70	400	18621	400	-73.0	-55.3	-89.9			364	073	1.9	7.7	117.19	2.61	1990	1985
60	360	19527	358	-68.4	-50.5	-84.1			319	070	0.7	7.9	123.15	2.64	1990	1988
50	323	20639	323	-63.1	-44.5	-79.3			280	104	1.9	9.7	138.81	2.93	1990	1984
40	255	22046	254	-58.3	-42.5	-72.0			208	111	4.5	12.6	174.54	3.67	1990	1971
30	194	23911	194	-52.7	-32.5	-70.0			155	101	5.6	14.2	201.20	4.17	1990	1971
25	166	25100	166	-49.9	-31.5	-62.1			122	098	5.9	15.9	183.84	3.39	1990	1984
20	127	26585	127	-46.7	-26.3	-59.5			92	088	9.3	18.3	180.48	3.25	1990	1984
15	90	28482	90	-44.6	-22.5	-58.3			58	091	6.6	19.5	176.19	3.24	1990	1982
10	61	31161	61	-42.2	-30.1	-54.3			39	095	4.6	14.6	194.16	2.93	1986	1984
7	45	33596	45	-40.5	-32.5	-52.5			17	342	1.1	15.9	240.94	4.03	1987	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

590 567 482

455 099 1663 -81.7

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	564	1003	564	23.7	29.0	19.0	564	20.9	564	006	1.0	1.5	1.36	0.65	1978	1974
<i>1000</i>	560	89	534	23.5	28.6	19.0	534	20.6	529	006	1.8	3.0	10.19	0.61	1989	1974
<i>950</i>	560	524	560	22.1	27.2	18.0	560	16.7	555	001	1.4	2.9	16.99	0.65	1979	1974
<i>900</i>	560	1005	560	19.7	26.0	15.2	558	12.2	555	043	1.5	3.0	11.49	0.94	1990	1980
<i>850</i>	560	1495	560	17.1	23.2	11.2	548	7.3	553	056	2.8	4.1	12.36	1.05	1984	1982
<i>800</i>	560	2012	560	14.6	21.8	8.0	505	2.7	553	058	3.6	5.2	14.02	1.19	1990	1971
<i>750</i>	560	2551	559	12.1	20.0	2.0	453	-2.0	552	063	3.1	5.3	12.65	1.18	1976	1977
<i>700</i>	560	3130	559	9.3	19.0	-3.9	391	-5.8	553	072	2.6	5.3	16.53	1.16	1977	1982
<i>650</i>	558	3732	558	5.9	13.0	-6.0	353	-9.7	549	074	2.5	5.7	16.92	1.10	1990	1971
<i>600</i>	558	4391	558	2.4	9.2	-4.0	320	-13.2	547	074	2.7	6.1	19.09	0.93	1990	1978
<i>550</i>	556	5089	556	-1.5	5.6	-7.9	278	-16.8	545	074	3.0	6.6	20.92	0.94	1990	1983
<i>500</i>	553	5843	553	-5.8	0.8	-16.0	258	-20.7	542	074	2.9	7.0	23.41	1.08	1990	1978
<i>450</i>	549	6656	549	-10.5	-3.1	-20.0	228	-25.4	537	064	2.7	7.7	23.90	1.26	1988	1975
<i>400</i>	546	7561	546	-16.0	-7.7	-25.1	196	-30.7	534	051	2.4	8.6	31.81	1.39	1990	1983
<i>350</i>	543	8550	543	-22.9	-12.1	-32.5	170	-36.8	527	061	1.0	8.4	31.64	1.58	1990	1983
<i>300</i>	536	9670	536	-31.3	-19.5	-40.1	156	-44.2	520	159	1.3	8.7	43.99	1.72	1990	1987
<i>250</i>	530	10936	530	-41.4	-29.5	-50.9	82	-52.8	507	162	2.9	10.1	52.80	1.83	1983	1987
<i>200</i>	524	12414	524	-53.5	-40.7	-68.3			499	160	3.7	12.0	64.65	1.88	1988	1982
<i>175</i>	509	13262	509	-60.2	-47.3	-77.5			479	150	3.3	12.5	71.95	1.92	1983	1982
<i>150</i>	493	14208	493	-67.5	-54.5	-75.9			464	145	2.3	12.1	79.04	1.90	1988	1982
<i>125</i>	469	15289	468	-73.9	-62.1	-86.5			438	118	1.7	10.6	87.90	1.88	1983	1982
<i>100</i>	444	16576	443	-79.3	-64.7	-91.3			414	062	1.7	8.6	95.00	1.71	1987	1983
<i>80</i>	389	17851	388	-76.5	-65.1	-89.1			354	063	1.9	7.4	99.23	2.13	1982	1985
<i>70</i>	367	18636	366	-73.0	-58.9	-86.9			337	329	0.5	7.5	109.59	2.51	1986	1985
<i>60</i>	331	19545	331	-68.6	-48.5	-84.5			301	250	1.8	8.7	109.62	2.75	1986	1985
<i>50</i>	293	20667	293	-63.5	-48.7	-76.0			265	240	1.0	10.9	125.07	3.16	1987	1977
<i>40</i>	240	22070	240	-58.3	-46.1	-74.0			207	149	2.3	12.2	136.79	2.54	1987	1977
<i>30</i>	186	23928	186	-52.8	-40.1	-68.0			164	100	3.5	14.5	127.95	2.99	1987	1977
<i>25</i>	159	25113	159	-50.1	-36.5	-62.3			137	097	4.4	16.2	169.19	2.99	1987	1984
<i>20</i>	136	26592	136	-46.9	-35.1	-59.9			116	097	6.6	17.8	195.86	2.94	1987	1984
<i>15</i>	112	28503	112	-44.4	-33.5	-58.1			78	094	9.3	18.3	109.91	1.95	1987	1984
<i>10</i>	81	31215	81	-41.2	-30.5	-55.9			57	094	7.4	15.5	121.96	2.83	1987	1984
<i>7</i>	55	33621	55	-39.4	-27.1	-53.9			24	144	0.3	16.0	161.47	3.60	1990	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
557	568	483					415	099	1662	-80.9

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	619	1003	619	25.0	29.0	21.0	618	22.7	618	353	1.6	2.1	0.81	0.55	1977	1972
1000	599	86	589	24.8	27.8	21.0	588	22.4	574	351	2.9	3.9	5.37	0.54	1985	1972
950	599	523	599	23.0	29.8	17.8	598	18.8	583	344	2.5	3.8	14.67	0.74	1990	1989
900	599	1005	599	20.5	27.2	14.2	597	14.4	582	016	1.7	3.6	5.71	0.95	1990	1989
850	599	1497	599	17.8	24.4	12.0	593	9.5	583	061	3.1	4.5	6.51	1.08	1990	1972
800	599	2014	599	15.0	22.2	9.0	578	3.7	581	065	5.2	6.3	8.41	1.09	1986	1972
750	599	2553	599	12.3	21.2	6.0	548	-2.1	581	064	6.2	7.4	8.84	1.01	1990	1972
700	599	3132	599	9.1	17.4	3.0	492	-6.2	583	068	5.2	6.8	11.69	0.93	1990	1972
650	598	3733	598	5.8	13.8	-5.5	424	-9.5	578	075	4.1	6.0	15.34	1.03	1990	1983
600	595	4394	595	2.4	9.6	-3.9	368	-12.8	579	080	3.6	6.0	15.86	1.01	1990	1984
550	594	5091	594	-1.4	8.0	-13.0	319	-16.6	574	078	3.4	6.1	15.34	1.09	1973	1976
500	592	5846	592	-5.6	5.4	-13.0	286	-20.9	573	071	3.0	6.4	21.48	1.29	1983	1975
450	585	6659	585	-10.4	-3.1	-15.3	260	-25.5	565	068	2.4	6.8	20.54	1.42	1990	1982
400	581	7565	581	-16.1	-7.7	-22.5	229	-30.7	562	056	1.1	7.3	30.97	1.57	1990	1982
350	576	8553	576	-22.9	-12.0	-29.5	195	-37.4	553	220	0.3	7.9	29.65	1.56	1977	1982
300	572	9674	572	-31.0	-22.5	-38.0	163	-44.6	551	221	1.9	8.6	43.08	1.55	1990	1976
250	566	10942	566	-41.1	-30.0	-50.1	74	-53.1	540	217	3.1	10.1	51.43	1.68	1978	1982
200	556	12422	556	-53.1	-39.0	-64.5	1	-53.0	530	213	4.2	11.2	62.39	1.86	1974	1982
175	534	13271	534	-59.7	-48.1	-72.1			505	217	4.0	11.8	70.88	1.89	1990	1983
150	523	14220	523	-66.8	-53.9	-79.3			495	219	3.0	11.6	78.19	2.02	1990	1982
125	507	15303	507	-73.4	-62.1	-85.7			478	213	0.8	10.3	88.43	1.99	1990	1982
100	482	16590	482	-79.2	-69.1	-90.1			449	083	2.0	8.3	93.47	1.69	1983	1983
80	426	17867	426	-76.5	-57.5	-86.3			377	072	2.4	7.4	99.50	1.96	1983	1983
70	397	18654	397	-73.1	-60.0	-84.5			353	011	0.6	7.5	109.09	1.98	1978	1983
60	357	19560	357	-68.6	-55.0	-82.0			304	279	1.6	8.6	108.30	1.80	1977	1976
50	318	20672	318	-63.2	-49.1	-78.0			273	250	2.0	10.2	116.35	2.58	1981	1976
40	251	22080	251	-57.6	-44.1	-70.0			201	230	1.5	11.2	127.93	2.25	1981	1978
30	209	23937	209	-51.6	-39.9	-65.0			162	113	2.3	13.9	132.03	2.60	1990	1978
25	176	25126	176	-48.6	-35.9	-62.0			130	080	3.9	15.9	150.08	2.49	1983	1978
20	138	26613	138	-45.5	-36.1	-57.5			100	087	6.6	17.7	134.56	1.64	1984	1987
15	104	28516	104	-43.0	-34.5	-52.9			71	094	9.5	19.8	83.20	1.82	1985	1987
10	81	31275	81	-38.7	-26.7	-46.7			61	095	9.6	19.7	49.85	2.00	1985	1988
7	64	33700	64	-36.6	-25.1	-45.9			35	099	6.7	16.1	59.77	1.92	1985	1988

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
598	567	483					451	098	1669	-80.9

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	593	1001	598	25.9	28.6	22.0	598	24.1	596	341	2.4	2.8	0.59	0.48	1987	1971
1000	583	73	471	25.7	28.4	22.8	470	23.7	458	340	3.7	4.3	5.21	0.43	1987	1979
950	583	512	583	23.8	28.0	18.0	581	20.7	567	325	4.1	5.0	13.56	0.68	1971	1976
900	583	995	583	21.3	26.2	15.0	581	17.3	567	327	3.1	4.8	5.99	0.95	1985	1976
850	583	1489	583	18.7	24.6	13.0	581	13.3	567	014	1.8	4.4	7.21	1.06	1983	1976
800	583	2008	583	16.1	23.4	7.0	575	7.9	568	056	3.9	5.3	8.70	1.14	1983	1972
750	583	2549	583	13.2	19.8	2.0	549	1.9	567	061	6.4	7.2	9.83	1.10	1985	1976
700	582	3130	582	9.9	16.0	3.0	529	-3.4	564	063	7.1	8.0	12.59	1.09	1985	1976
650	577	3733	577	6.4	15.0	-6.9	492	-6.9	558	067	6.4	7.5	12.45	1.05	1989	1983
600	574	4394	574	2.6	10.4	-6.0	455	-10.2	556	075	4.9	6.5	16.92	1.12	1985	1973
550	574	5092	574	-1.0	9.0	-9.0	408	-13.7	556	081	4.2	6.2	17.27	1.15	1975	1976
500	570	5849	570	-5.3	3.0	-14.0	372	-17.8	552	079	4.0	6.7	22.20	1.39	1988	1976
450	567	6663	567	-10.0	-1.9	-20.0	322	-22.2	550	075	3.7	7.2	20.85	1.56	1988	1976
400	565	7570	565	-15.6	-7.3	-28.0	295	-27.6	547	079	2.7	7.4	31.48	1.63	1989	1976
350	562	8559	562	-22.4	-14.5	-34.0	262	-33.7	539	080	1.1	7.5	29.97	1.68	1982	1976
300	562	9683	562	-30.5	-22.1	-41.0	229	-41.2	539	191	1.3	8.0	45.20	1.73	1982	1976
250	553	10954	553	-40.5	-30.3	-52.0	121	-49.3	531	196	3.0	8.8	54.74	1.93	1980	1976
200	548	12438	548	-52.6	-41.1	-67.0	7	-56.9	526	186	4.0	10.2	67.17	2.13	1988	1976
175	535	13288	535	-59.3	-48.1	-70.1			506	180	3.9	10.3	75.86	2.04	1988	1982
150	529	14238	529	-66.9	-56.1	-76.5			499	180	2.6	9.9	84.27	2.02	1988	1982
125	507	15321	507	-73.6	-58.7	-85.9			475	127	1.9	9.4	92.15	2.05	1989	1984
100	482	16604	482	-79.4	-70.1	-91.1			449	087	5.2	9.0	104.63	1.71	1990	1984
80	421	17884	421	-77.0	-61.1	-92.0			383	086	4.4	8.3	107.43	2.01	1986	1978
70	393	18673	393	-72.9	-52.3	-90.9			355	087	2.6	7.7	122.32	2.48	1986	1984
60	361	19579	361	-68.2	-47.9	-88.1			318	139	0.2	8.5	128.14	3.52	1990	1984
50	334	20694	334	-62.4	-44.9	-77.3			293	138	0.7	9.6	137.98	2.75	1990	1984
40	273	22105	273	-56.9	-37.5	-72.0			224	094	2.3	11.7	162.45	2.73	1990	1977
30	228	23968	228	-50.6	-32.5	-64.1			186	091	7.6	15.0	168.70	2.71	1990	1984
25	186	25158	186	-47.7	-31.5	-60.7			141	091	11.1	17.6	185.54	2.58	1990	1984
20	136	26674	136	-44.4	-25.1	-59.5			99	089	14.3	20.6	164.92	2.70	1986	1982
15	97	28592	97	-41.6	-29.5	-55.3			63	091	15.1	21.0	183.52	2.54	1987	1982
10	71	31368	71	-37.5	-24.1	-51.3			44	105	7.7	15.8	228.14	2.78	1987	1982
7	49	33876	49	-34.2	-21.1	-43.1			16	106	8.8	17.1	248.55	2.68	1987	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

574 563 490

458 097 1680 -81.2

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	618	1000	618	25.7	28.4	23.0	618	24.2	618	329	3.2	3.7	0.87	0.49	1988	1971
1000	608	66	348	25.5	28.4	23.0	348	24.0	346	326	4.5	5.4	5.53	0.52	1988	1971
950	608	505	608	23.7	29.0	19.0	608	21.2	601	314	6.1	6.9	13.04	0.82	1979	1975
900	608	988	608	21.3	26.8	16.2	608	18.0	601	306	6.7	7.7	6.10	1.07	1990	1985
850	608	1482	608	18.8	25.4	12.6	605	14.4	600	304	5.5	6.8	7.05	1.10	1990	1985
800	608	2001	608	16.4	25.0	8.0	605	10.1	598	317	3.2	6.0	8.21	1.06	1972	1975
750	608	2545	607	13.6	23.0	4.0	598	5.2	597	013	2.4	6.1	10.95	1.05	1974	1977
700	608	3125	607	10.2	18.8	3.4	587	0.0	596	042	3.1	6.7	11.14	1.06	1988	1985
650	605	3731	604	6.4	14.0	-4.1	568	-3.9	590	050	3.3	7.0	12.14	1.08	1978	1985
600	603	4390	602	2.6	10.4	-3.0	544	-7.6	590	044	2.3	6.5	15.50	1.10	1990	1972
550	602	5089	601	-1.1	7.6	-8.1	516	-11.0	586	018	1.3	5.9	17.99	1.09	1990	1985
500	601	5844	601	-5.0	5.0	-11.0	465	-15.3	584	004	0.9	5.8	20.74	1.12	1988	1978
450	596	6662	596	-9.5	-2.3	-16.0	422	-20.0	581	019	0.9	5.9	19.81	1.21	1990	1975
400	593	7569	592	-15.0	-6.7	-28.3	379	-25.8	576	047	0.8	5.7	28.78	1.42	1990	1981
350	586	8562	585	-21.6	-12.3	-28.1	317	-32.2	566	075	0.9	5.7	27.70	1.52	1988	1984
300	580	9689	580	-29.7	-17.7	-42.0	272	-39.9	557	094	1.4	6.0	40.96	1.62	1990	1974
250	572	10966	572	-39.7	-28.3	-47.9	167	-48.9	549	104	2.6	6.9	50.48	1.72	1990	1983
200	569	12452	569	-52.0	-42.3	-61.5	8	-58.1	544	102	6.5	10.2	63.63	1.84	1990	1982
175	554	13306	554	-59.0	-49.9	-70.1			519	098	8.7	11.9	70.01	1.89	1988	1982
150	537	14256	537	-66.7	-57.5	-78.1			499	096	10.9	13.8	79.73	1.83	1984	1984
125	513	15341	513	-73.5	-57.5	-86.5			475	093	12.6	14.8	89.56	1.83	1983	1984
100	478	16627	478	-79.1	-65.7	-91.0			440	092	11.9	13.6	99.99	1.82	1989	1977
80	423	17909	423	-75.9	-62.3	-87.3			379	089	8.2	10.7	106.98	1.57	1982	1985
70	395	18704	395	-71.5	-55.3	-83.9			356	093	4.8	8.7	116.78	2.06	1980	1986
60	355	19612	355	-66.9	-50.7	-80.0			312	097	3.6	8.4	111.78	2.27	1990	1974
50	315	20741	315	-61.2	-46.5	-77.0			277	096	5.5	9.9	122.22	2.48	1982	1977
40	261	22151	260	-56.0	-41.9	-66.1			218	092	9.5	13.8	137.28	2.73	1990	1990
30	207	24004	207	-50.9	-37.5	-63.5			171	093	13.6	16.3	142.14	2.76	1990	1982
25	179	25181	179	-48.0	-35.9	-55.1			132	094	18.0	20.7	152.50	3.36	1982	1982
20	129	26682	129	-44.9	-37.5	-56.7			95	093	19.5	21.9	147.04	2.10	1985	1986
15	89	28514	89	-42.0	-27.1	-49.9			53	093	16.5	19.0	180.90	1.90	1987	1987
10	66	31397	66	-37.7	-25.1	-45.1			41	093	10.2	14.7	224.23	2.90	1985	1983
7	47	33862	47	-35.0	-23.9	-43.7			20	112	4.6	11.6	199.32	3.23	1985	1987

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

603 563 489

458 100 1666 -80.6

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	1001	599	24.5	28.8	21.0	599	23.4	599	313	4.1	4.7	0.63	0.52	1981	1971
1000	587	71	433	24.2	28.4	21.0	432	23.1	421	312	6.2	6.9	4.46	0.50	1979	1971
950	587	507	587	22.4	27.2	18.0	585	20.3	574	302	8.9	9.6	12.08	0.72	1989	1971
900	587	988	587	20.1	26.0	14.2	585	17.4	574	293	11.7	12.5	5.00	0.93	1979	1985
850	587	1481	587	17.4	26.0	11.2	583	13.9	574	290	12.9	13.5	6.47	1.02	1974	1985
800	587	1998	587	14.7	22.4	7.0	582	10.3	571	287	12.6	13.3	8.07	1.01	1987	1974
750	587	2536	587	12.1	23.0	6.0	578	6.1	569	283	11.7	12.5	9.03	1.04	1978	1984
700	586	3117	586	9.3	19.0	3.0	572	1.5	566	279	10.4	11.6	11.54	1.04	1978	1976
650	583	3721	583	6.1	12.8	0.2	563	-2.5	558	276	8.7	10.1	12.18	1.10	1990	1982
600	582	4380	582	2.6	9.4	-4.0	556	-5.8	553	274	7.1	9.0	16.49	1.16	1983	1976
550	576	5079	576	-1.1	7.2	-8.0	544	-9.7	545	272	5.7	7.7	17.56	1.28	1983	1976
500	573	5835	573	-5.2	4.6	-11.5	523	-13.6	539	274	4.0	6.4	23.26	1.32	1988	1982
450	571	6651	571	-9.9	0.0	-20.0	500	-18.3	531	283	2.3	5.7	23.13	1.53	1972	1974
400	567	7557	567	-15.5	-6.3	-37.0	471	-23.9	525	344	0.9	5.4	32.89	1.67	1987	1976
350	557	8548	557	-22.2	-12.5	-30.0	414	-30.9	518	057	2.8	5.9	31.84	1.70	1989	1976
300	549	9672	549	-30.3	-20.9	-39.0	345	-39.2	511	070	5.8	8.3	46.92	1.76	1989	1976
250	533	10944	538	-40.4	-31.1	-53.1	152	-48.5	498	081	11.0	12.7	57.22	1.90	1989	1983
200	523	12429	528	-52.3	-41.9	-61.5	5	-57.2	485	080	19.3	20.3	69.84	2.13	1990	1986
175	509	13282	509	-59.2	-47.9	-75.1			456	078	24.2	25.3	77.59	2.14	1989	1983
150	500	14233	500	-66.8	-55.5	-77.1			442	078	29.4	30.3	86.49	2.18	1983	1981
125	476	15317	475	-73.7	-61.3	-88.1			408	082	30.9	31.9	98.80	2.18	1985	1986
100	433	16604	437	-77.7	-66.5	-89.1			379	086	24.2	25.1	108.31	1.76	1982	1987
80	393	17892	392	-73.4	-58.1	-87.5			329	084	16.2	17.5	117.07	2.01	1980	1985
70	367	18692	367	-69.5	-57.3	-87.7			306	085	12.2	13.5	129.26	2.40	1990	1985
60	331	19609	331	-65.3	-50.9	-82.1			258	093	10.1	11.9	130.49	2.78	1990	1985
50	294	20730	294	-60.5	-48.3	-71.3			223	091	11.5	13.0	146.04	3.24	1986	1987
40	233	22147	230	-56.0	-45.1	-67.0			154	087	13.2	14.9	153.72	3.03	1990	1976
30	179	24003	179	-51.5	-39.9	-64.0			117	088	17.9	19.2	155.09	2.49	1988	1975
25	152	25185	152	-48.9	-35.3	-61.0			87	092	19.3	20.8	175.33	2.61	1988	1976
20	104	26686	104	-46.1	-37.1	-56.3			59	089	19.9	21.6	218.96	2.27	1987	1990
15	83	28612	80	-43.2	-34.1	-55.3			31	089	19.9	22.5	259.86	2.79	1987	1990
10	55	31347	56	-39.8	-27.3	-50.7			18	094	15.5	16.9	231.74	3.03	1987	1990
7	31	33868	31	-36.9	-26.5	-47.5			9	089	18.4	19.1	284.46	4.10	1987	1982

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

580 564 487

427 105 1635 -79.6

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	619	1001	619	24.0	28.8	21.8	619	22.9	617	321	4.8	5.4	0.77	0.40	1985	1980
<i>1000</i>	598	74	498	23.9	27.8	21.6	497	22.8	492	320	7.4	8.0	6.00	0.46	1983	1980
<i>950</i>	598	509	598	21.9	26.4	17.0	597	20.1	592	309	10.1	10.9	9.56	0.67	1979	1974
<i>900</i>	598	990	597	19.6	25.0	15.0	596	17.2	592	302	12.5	13.2	6.64	0.93	1972	1971
<i>850</i>	598	1482	598	17.0	24.2	12.0	597	13.9	592	299	13.3	13.9	8.29	1.03	1986	1971
<i>800</i>	597	1999	597	14.5	23.0	9.6	594	10.2	587	295	12.6	13.3	10.05	1.08	1987	1982
<i>750</i>	597	2536	597	12.0	20.0	7.0	592	5.8	584	290	11.4	12.2	13.06	1.01	1988	1975
<i>700</i>	597	3117	597	9.1	18.0	4.0	587	1.6	583	285	9.6	10.5	13.70	0.96	1975	1975
<i>650</i>	594	3717	594	5.8	13.2	-6.3	580	-2.0	578	281	7.5	8.5	14.61	0.96	1988	1989
<i>600</i>	594	4380	591	2.3	9.8	-4.0	566	-5.0	574	278	5.4	7.2	18.77	1.03	1988	1972
<i>550</i>	585	5076	585	-1.5	5.2	-11.9	553	-9.1	567	279	3.9	6.4	20.77	1.15	1988	1979
<i>500</i>	579	5833	579	-5.6	2.0	-11.0	534	-13.5	561	282	2.4	5.6	24.63	1.22	1978	1971
<i>450</i>	573	6646	573	-10.2	7.6	-16.0	513	-18.8	553	350	0.5	5.3	26.00	1.52	1987	1971
<i>400</i>	566	7554	566	-15.8	-8.3	-23.0	480	-24.9	546	079	2.7	5.8	34.90	1.51	1989	1972
<i>350</i>	559	8543	559	-22.6	-15.0	-32.0	409	-31.9	537	082	5.9	7.8	35.88	1.57	1978	1972
<i>300</i>	555	9667	555	-30.8	-24.0	-38.1	343	-40.0	532	086	9.3	10.7	49.64	1.67	1972	1981
<i>250</i>	549	10937	549	-40.8	-33.3	-51.1	178	-48.9	527	085	15.3	16.5	58.04	1.90	1983	1981
<i>200</i>	541	12420	541	-52.8	-42.9	-64.1	7	-57.7	517	080	24.3	25.2	69.96	1.96	1990	1981
<i>175</i>	526	13272	526	-59.5	-48.9	-70.1			497	079	29.7	30.5	77.58	2.00	1989	1981
<i>150</i>	516	14221	516	-67.0	-53.7	-76.9			489	079	33.3	34.4	85.09	1.94	1990	1981
<i>125</i>	492	15303	491	-73.7	-59.1	-83.1			456	082	34.4	35.6	95.15	1.95	1986	1985
<i>100</i>	469	16595	469	-75.9	-63.3	-87.7			429	085	25.1	26.1	101.23	2.29	1985	1984
<i>80</i>	437	17899	437	-70.6	-58.1	-83.1			377	086	17.5	18.2	111.17	2.22	1981	1987
<i>70</i>	411	18712	411	-67.3	-52.9	-79.0			354	088	15.4	16.3	136.13	2.42	1981	1976
<i>60</i>	389	19641	389	-63.8	-48.3	-74.5			309	088	15.1	15.8	133.12	2.48	1982	1985
<i>50</i>	353	20778	353	-59.6	-40.3	-72.0			274	091	16.0	16.9	139.07	2.85	1982	1975
<i>40</i>	288	22195	288	-55.7	-44.5	-67.5			202	088	18.0	18.8	154.46	2.62	1982	1979
<i>30</i>	224	24053	224	-51.3	-39.7	-62.5			145	089	19.9	20.6	167.21	3.41	1980	1984
<i>25</i>	185	25231	185	-49.2	-37.1	-60.1			97	092	21.4	22.2	176.63	2.82	1980	1984
<i>20</i>	142	26736	142	-46.1	-32.5	-57.1			76	097	20.6	22.0	168.90	2.34	1980	1985
<i>15</i>	113	28659	113	-43.8	-32.3	-56.5			54	095	19.8	20.8	183.73	2.41	1987	1985
<i>10</i>	82	31424	82	-40.4	-30.1	-56.1			37	096	23.1	24.0	184.14	3.60	1989	1985
<i>7</i>	54	33851	54	-38.5	-29.5	-50.5			13	095	23.9	24.9	219.44	3.47	1989	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

587 568 480 3 125 1538 -73.0 462 109 1614 -78.4

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	P/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	615	1002	615	23.9	29.0	21.2	615	22.9	615	323	4.7	5.3	0.77	0.34	1972	1986
<i>1000</i>	600	77	543	23.7	25.8	21.0	541	22.7	539	320	7.5	8.1	5.16	0.34	1981	1986
<i>950</i>	600	514	600	21.7	26.2	16.0	593	19.7	595	312	10.2	10.8	11.38	0.72	1989	1981
<i>900</i>	600	992	600	19.3	25.0	12.8	593	16.7	594	304	12.5	13.2	6.42	0.91	1989	1981
<i>850</i>	600	1484	600	16.8	23.2	11.2	592	13.4	594	300	12.8	13.5	7.39	0.96	1989	1982
<i>800</i>	600	2000	600	14.3	22.0	7.4	590	9.6	595	296	12.5	13.2	9.30	0.98	1975	1981
<i>750</i>	600	2539	600	11.9	19.0	5.2	585	5.2	592	291	11.3	12.0	11.77	1.01	1989	1981
<i>700</i>	600	3118	600	9.1	16.2	2.0	581	0.5	592	286	9.7	10.6	12.62	1.03	1989	1981
<i>650</i>	597	3721	597	5.8	14.4	-6.0	567	-3.1	584	281	7.9	8.9	12.62	0.99	1989	1974
<i>600</i>	592	4379	592	2.1	8.2	-4.3	560	-6.5	575	279	6.0	7.2	16.12	0.92	1989	1981
<i>550</i>	586	5076	586	-1.7	5.4	-7.3	535	-10.2	569	279	4.5	6.1	18.09	0.99	1986	1981
<i>500</i>	589	5831	580	-5.8	3.6	-11.9	509	-14.5	562	282	2.5	5.3	21.37	1.12	1984	1981
<i>450</i>	577	6645	577	-10.4	-3.9	-17.7	475	-19.6	558	324	0.6	5.0	21.84	1.37	1989	1981
<i>400</i>	572	7551	572	-15.9	-8.3	-23.1	437	-25.8	550	080	2.2	5.5	29.62	1.50	1987	1981
<i>350</i>	565	8541	565	-22.7	-12.9	-30.5	385	-33.2	540	091	5.3	7.2	31.39	1.58	1986	1981
<i>300</i>	563	9663	563	-31.0	-20.7	-39.5	308	-40.8	538	092	9.1	10.4	42.48	1.71	1987	1981
<i>250</i>	557	10930	557	-41.0	-26.0	-51.5	150	-49.4	531	089	15.3	16.3	51.21	1.79	1974	1981
<i>200</i>	542	12412	542	-52.8	-43.5	-62.7	4	-57.7	511	082	24.7	25.4	63.90	1.91	1987	1985
<i>175</i>	530	13262	530	-59.7	-50.1	-74.1			493	080	29.5	30.5	70.80	1.91	1988	1983
<i>150</i>	517	14212	517	-67.2	-56.5	-76.5			479	080	34.1	35.0	78.31	1.98	1989	1981
<i>125</i>	495	15297	495	-73.8	-62.7	-85.1			452	083	34.0	34.9	88.40	1.93	1989	1983
<i>100</i>	467	16591	467	-75.7	-62.5	-88.0			421	085	23.8	24.7	97.36	2.44	1985	1972
<i>80</i>	429	17900	429	-70.0	-57.1	-82.0			360	086	15.5	16.2	108.98	2.78	1985	1972
<i>70</i>	407	18714	407	-66.7	-52.3	-80.0			340	086	13.8	14.7	126.41	3.04	1987	1972
<i>60</i>	368	19649	368	-63.4	-46.1	-76.3			295	087	14.1	15.0	131.95	3.15	1987	1982
<i>50</i>	345	20776	345	-59.6	-42.5	-71.7			270	086	14.8	15.6	149.26	3.40	1981	1984
<i>40</i>	268	22196	268	-56.0	-43.1	-70.1			189	087	16.0	16.9	174.90	3.22	1982	1984
<i>30</i>	193	24066	193	-52.3	-40.1	-68.1			136	089	18.8	19.9	200.70	3.39	1981	1984
<i>25</i>	155	25267	155	-50.2	-38.3	-65.1			109	094	19.9	21.1	167.43	2.69	1985	1984
<i>20</i>	123	26757	123	-48.1	-40.1	-61.9			89	092	20.3	22.1	127.53	2.47	1981	1984
<i>15</i>	104	28669	104	-45.3	-36.9	-61.1			68	095	20.5	21.6	137.89	2.63	1984	1984
<i>10</i>	87	31389	87	-41.5	-28.5	-61.9			49	099	21.3	22.2	176.60	3.68	1984	1984
<i>7</i>	54	33775	54	-40.5	-25.1	-59.3			8	101	18.3	23.8	275.85	3.76	1989	1984

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
593	571	477	12	113	1593	-76.6	462	108	1617	-78.1

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	598	1002	598	24.1	26.4	22.0	598	23.0	598	329	3.7	4.2	0.74	0.28	1987	1973
1000	591	79	542	23.9	28.6	22.0	540	22.8	542	326	6.2	6.8	5.53	0.31	1987	1973
950	591	516	591	22.0	32.6	18.0	587	19.6	591	315	7.7	8.4	12.64	0.76	1990	1971
900	591	995	590	19.7	28.4	14.8	588	16.5	591	306	8.9	9.6	7.10	0.98	1990	1980
850	591	1486	591	17.2	24.2	11.0	588	13.3	590	297	8.6	9.4	8.34	0.98	1989	1977
800	591	2003	591	14.8	23.0	7.0	588	9.7	588	291	7.5	8.8	10.07	1.04	1977	1976
750	591	2543	591	12.3	23.0	4.8	581	5.6	586	287	6.5	7.9	13.24	1.03	1977	1979
700	591	3122	591	9.3	19.0	0.0	574	1.4	583	285	5.4	7.2	13.71	1.05	1977	1978
650	589	3725	589	5.0	13.6	-3.0	563	-2.9	580	282	4.4	6.2	16.50	0.99	1989	1978
600	587	4385	587	2.4	10.8	-6.0	547	-6.3	580	278	3.2	5.7	18.05	1.01	1989	1974
550	583	5083	583	-1.4	7.0	-12.0	529	-10.0	577	278	1.9	5.0	19.82	1.10	1989	1976
500	578	5838	578	-5.6	2.8	-12.0	513	-14.2	570	280	0.5	4.8	23.07	1.23	1989	1977
450	573	6653	573	-10.2	1.0	-17.0	480	-19.3	564	089	1.0	4.9	24.42	1.40	1972	1972
400	567	7558	567	-15.6	-6.9	-23.1	426	-25.2	558	092	3.0	5.6	32.10	1.54	1989	1984
350	563	8547	563	-22.4	-11.9	-30.0	354	-32.4	555	095	5.2	6.9	34.39	1.57	1987	1971
300	558	9671	558	-30.6	-20.9	-38.0	289	-40.5	549	096	8.3	9.3	44.07	1.61	1989	1971
250	552	10941	551	-40.8	-29.5	-49.1	143	-49.7	539	092	13.0	13.8	53.18	1.81	1989	1982
200	546	12422	544	-53.0	-39.3	-64.9	5	-61.2	532	086	19.5	20.3	65.00	2.00	1989	1986
175	538	13271	536	-60.0	-45.3	-72.9			522	085	23.5	24.3	73.33	2.12	1989	1984
150	519	14219	519	-67.7	-52.5	-81.1			505	085	27.0	27.9	82.77	2.20	1989	1984
125	494	15297	494	-74.1	-59.5	-85.5			476	088	26.1	26.9	94.20	2.22	1989	1986
100	473	16586	473	-75.5	-63.5	-88.5			453	088	17.1	18.0	103.32	2.10	1988	1986
80	434	17899	434	-70.6	-59.5	-83.5			407	087	12.1	13.1	112.74	2.46	1990	1983
70	419	18712	419	-67.1	-55.5	-82.0			395	087	10.7	11.9	123.46	2.76	1985	1972
60	395	19636	395	-63.8	-50.9	-82.0			360	088	10.3	11.7	126.46	2.78	1985	1978
50	364	20771	364	-59.9	-48.7	-76.0			333	084	10.3	12.2	143.87	3.28	1982	1971
40	281	22204	281	-56.0	-44.9	-67.3			250	082	12.1	13.9	173.97	3.58	1982	1988
30	221	24082	221	-51.5	-36.9	-66.0			191	092	14.6	16.7	228.29	4.82	1986	1971
25	182	25272	182	-49.4	-34.1	-65.0			143	096	14.8	17.0	219.54	4.94	1982	1971
20	131	26769	131	-46.8	-27.1	-58.1			107	095	16.4	18.9	137.35	2.58	1982	1983
15	107	28688	107	-44.4	-33.7	-55.5			69	096	16.6	18.3	164.53	2.65	1989	1983
10	83	31424	83	-41.1	-27.9	-52.5			51	097	16.6	18.3	213.39	3.13	1987	1983
7	63	33857	63	-38.7	-27.7	-51.7			21	098	27.1	27.8	240.09	3.12	1984	1989

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

585 567 484

473 110 1605 -78.1

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	1002	620	24.1	27.2	21.0	520	23.0	620	329	1.8	2.4	0.77	0.40	1988	1984
1000	604	83	586	23.9	27.0	19.0	586	22.7	572	328	3.4	4.4	4.88	0.44	1988	1986
950	604	519	604	22.2	29.2	15.0	602	19.6	590	312	3.9	5.1	13.90	0.99	1990	1990
900	604	1000	604	20.1	27.0	12.0	603	16.4	589	303	3.9	5.5	6.16	1.25	1990	1990
850	604	1492	604	17.5	24.0	9.8	602	13.1	591	303	3.2	5.8	7.67	1.19	1979	1990
800	604	2009	604	14.8	21.0	7.6	597	9.4	588	304	2.5	5.8	9.58	1.08	1990	1990
750	603	2550	603	12.1	20.2	5.2	591	5.6	582	303	2.0	5.8	12.33	1.03	1990	1984
700	603	3128	603	9.1	16.2	2.0	587	1.4	582	295	2.0	5.8	13.08	0.95	1990	1981
650	601	3731	601	5.8	12.6	-4.9	576	-2.4	573	291	1.8	5.6	14.60	0.93	1990	1983
600	599	4389	599	2.4	8.8	-5.5	561	-5.9	568	292	1.0	5.5	15.98	1.03	1985	1981
550	597	5087	597	-1.3	6.0	-9.7	535	-10.0	562	349	0.4	5.0	18.55	1.09	1974	1981
500	594	5843	594	-5.4	6.8	-14.5	521	-14.6	560	080	0.7	5.1	20.81	1.18	1983	1981
450	590	6658	589	-10.1	-2.0	-19.7	473	-19.7	556	088	1.7	5.1	22.11	1.23	1974	1983
400	585	7565	583	-15.5	-8.9	-23.5	417	-25.3	553	088	2.5	5.2	28.17	1.39	1987	1990
350	583	8555	580	-22.3	-11.0	-30.3	358	-32.0	551	094	3.7	6.0	28.57	1.47	1974	1981
300	579	9678	578	-30.6	-23.7	-38.0	294	-40.4	546	097	5.5	7.2	39.67	1.46	1989	1978
250	574	10948	572	-40.8	-32.5	-50.1	157	-49.7	538	097	8.2	9.8	47.13	1.51	1984	1983
200	568	12427	568	-53.2	-41.3	-68.1	8	-60.3	532	093	12.4	13.9	55.43	1.51	1984	1985
175	556	13277	555	-60.1	-47.1	-72.1	3	-70.1	518	093	14.5	16.2	60.85	1.45	1984	1983
150	546	14223	545	-67.8	-54.1	-80.1			510	096	15.7	17.5	66.59	1.55	1984	1983
125	530	15302	528	-74.5	-57.0	-88.1			495	096	14.4	16.0	75.04	1.78	1977	1985
100	502	16587	501	-77.7	-60.0	-86.1			470	092	9.9	11.5	83.57	1.62	1976	1984
80	462	17873	461	-75.0	-60.5	-86.3			430	085	6.8	8.9	93.81	1.93	1982	1984
70	444	18680	444	-69.1	-54.5	-81.5			414	085	5.7	8.0	106.58	2.31	1982	1987
60	401	19607	401	-65.1	-51.9	-77.5			370	088	5.7	8.7	107.61	2.56	1982	1987
50	377	20733	377	-61.0	-46.3	-76.0			345	092	6.2	10.1	123.58	3.51	1982	1974
40	307	22148	307	-56.8	-40.9	-69.0			274	093	8.8	12.7	128.85	2.79	1987	1977
30	241	24000	241	-51.9	-38.3	-66.0			213	094	12.5	15.9	169.86	3.99	1988	1973
25	190	25182	190	-49.3	-34.1	-63.0			155	092	11.9	16.2	182.33	2.72	1988	1973
20	147	26680	147	-46.0	-31.3	-57.5			115	093	11.7	16.4	148.56	2.49	1987	1983
15	113	28596	113	-43.4	-29.5	-56.1			86	094	13.3	17.0	165.46	2.49	1988	1983
10	80	31350	80	-39.5	-25.5	-54.1			54	102	9.6	15.1	210.40	3.54	1988	1982
7	56	33769	56	-38.0	-23.1	-53.7			22	100	7.1	13.4	252.98	3.40	1988	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

600	566	485	1	123	1530	-79.7	491	106	1627	-79.6
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NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

NOVEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	597	1003	597	23.9	27.6	20.0	597	22.5	596	336	0.8	1.5	0.92	0.35	1990	1974
1000	583	86	551	23.7	27.6	20.0	550	22.3	545	338	1.6	2.9	5.94	0.37	1990	1974
950	583	520	582	22.2	29.0	16.0	580	18.9	572	323	1.5	3.2	13.88	0.82	1990	1981
900	583	1003	582	20.0	26.8	13.0	580	15.7	576	346	1.3	3.9	5.90	1.09	1990	1975
850	583	1494	582	17.2	24.2	11.0	577	12.4	575	011	1.1	4.6	6.67	1.21	1990	1975
800	583	2011	582	14.6	22.2	8.0	575	8.8	574	011	1.0	5.0	8.43	1.24	1990	1975
750	583	2550	582	11.9	19.6	5.0	563	4.8	573	010	0.7	5.0	10.11	1.17	1984	1981
700	583	3129	583	9.2	16.0	3.0	542	0.9	572	006	0.5	5.3	12.64	1.03	1977	1975
650	583	3733	583	6.1	19.0	-3.5	518	-2.8	568	054	0.5	5.8	12.46	0.98	1972	1980
600	582	4391	581	2.5	9.6	-4.0	505	-6.2	567	068	1.3	5.6	17.08	1.01	1987	1975
550	579	5091	579	-1.0	6.0	-8.0	478	-10.0	565	069	2.1	5.7	20.67	1.08	1987	1975
500	578	5847	578	-5.2	4.8	-10.7	464	-14.7	564	070	2.6	6.1	21.98	1.14	1988	1983
450	577	6663	577	-9.8	9.8	-18.0	441	-20.0	561	075	3.2	6.5	22.17	1.21	1982	1977
400	575	7570	575	-15.3	-7.1	-21.7	406	-25.8	559	079	3.3	6.5	31.00	1.34	1987	1979
350	574	8561	574	-22.3	-14.5	-44.0	355	-32.7	553	086	3.6	6.4	31.58	1.50	1989	1974
300	569	9684	569	-30.5	-21.3	-38.9	291	-40.4	551	099	4.3	7.0	42.32	1.52	1989	1983
250	562	10954	562	-40.8	-32.5	-50.1	153	-49.9	542	110	6.0	8.9	50.27	1.64	1986	1983
200	559	12434	559	-53.1	-42.9	-64.1	5	-57.2	535	113	8.3	11.9	60.85	1.74	1984	1981
175	546	13282	546	-60.0	-49.1	-70.1	2	-61.2	515	112	9.0	13.1	66.94	1.64	1989	1981
150	540	14227	539	-67.5	-54.7	-79.5			513	111	8.3	13.1	73.73	1.56	1989	1981
125	520	15305	519	-74.4	-62.5	-86.1			491	106	6.4	11.0	82.03	1.71	1988	1984
100	495	16588	492	-79.0	-66.9	-89.9			468	089	6.0	8.8	88.09	2.00	1985	1985
80	456	17867	453	-75.2	-61.7	-85.0			420	077	4.3	7.5	97.23	2.40	1982	1973
70	427	18665	426	-71.1	-54.5	-83.0			394	077	2.6	7.2	113.65	2.83	1985	1972
60	390	19578	390	-66.7	-50.5	-79.0			356	076	1.7	8.1	114.78	2.80	1985	1977
50	355	20705	355	-61.7	-45.7	-71.0			326	089	3.4	10.2	131.94	2.93	1988	1972
40	287	22121	287	-57.2	-42.5	-69.0			250	095	7.0	13.6	140.99	2.45	1982	1977
30	233	23972	233	-52.1	-38.3	-66.0			194	095	10.5	16.7	156.86	3.59	1986	1977
25	189	25164	189	-49.2	-33.5	-65.0			146	100	10.5	17.5	90.52	2.42	1986	1977
20	145	26626	145	-46.4	-32.5	-56.3			112	093	9.3	17.8	92.77	1.65	1984	1986
15	104	28547	104	-43.7	-29.3	-52.7			64	089	8.5	20.3	114.42	1.85	1984	1986
10	76	31290	76	-39.9	-25.1	-51.9			48	100	4.4	17.4	161.10	1.65	1984	1986
7	55	33737	55	-37.6	-18.5	-45.5			17	022	2.2	15.7	230.93	3.27	1984	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
580	564	488					478	103	1645	-80.9

NORMALS OF RADIOSONDE DATA

43371 THIRUVANANTHAPURAM

DECEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	612	1003	612	23.6	27.8	19.0	612	21.2	612	031	0.7	1.2	0.63	0.49	1983	1971
1000	596	90	589	23.5	27.4	19.0	588	20.9	583	027	1.5	2.8	4.76	0.49	1983	1971
950	598	523	598	22.1	35.6	14.2	594	17.0	592	041	1.3	2.9	16.11	0.85	1990	1981
900	596	1006	598	19.7	32.2	12.0	592	13.7	591	057	1.7	3.4	6.63	1.12	1990	1981
850	598	1497	598	17.0	31.6	9.4	590	10.2	590	057	1.9	4.1	8.81	1.20	1990	1981
800	598	2013	598	14.6	30.8	6.6	572	6.4	589	067	1.8	4.2	11.19	1.23	1990	1981
750	598	2554	598	12.1	24.4	4.2	549	2.2	589	084	2.2	4.8	13.18	1.13	1990	1981
700	597	3132	597	9.2	19.2	0.6	523	-1.7	587	088	2.6	4.9	15.28	1.09	1990	1981
650	597	3735	596	6.0	17.0	-4.1	488	-5.1	585	085	3.4	5.6	16.07	1.15	1976	1980
600	596	4394	595	2.4	10.4	-7.1	457	-8.4	584	083	3.8	6.0	20.38	1.10	1990	1981
550	594	5091	593	-1.5	6.0	-9.0	422	-12.0	579	081	4.4	6.6	21.60	1.11	1987	1971
500	593	5847	592	-5.6	2.0	-14.0	385	-16.6	581	080	5.0	7.4	25.79	1.21	1987	1976
450	589	6661	588	-10.2	-3.5	-21.3	336	-21.6	574	080	4.8	7.6	25.70	1.36	1987	1980
400	584	7567	583	-15.8	-8.3	-25.1	299	-27.7	567	077	3.7	7.4	34.01	1.45	1989	1983
350	580	8557	580	-22.8	-13.1	-33.3	254	-33.9	566	083	2.5	7.5	33.92	1.47	1989	1983
300	578	9678	578	-31.1	-20.1	-42.1	225	-41.5	563	134	3.1	8.3	45.44	1.57	1989	1983
250	574	10945	574	-41.3	-29.1	-52.1	123	-50.9	557	152	5.2	10.1	54.07	1.76	1989	1983
200	567	12423	567	-53.3	-40.9	-63.3	2	-57.0	550	163	6.1	12.1	66.86	1.82	1989	1984
175	556	13271	556	-60.1	-46.1	-70.1	1	-59.5	537	179	5.1	12.3	73.27	1.89	1989	1984
150	545	14220	545	-67.5	-54.1	-78.0			522	213	3.8	11.5	80.97	1.85	1989	1977
125	527	15298	527	-74.1	-60.0	-88.0			502	230	2.4	10.0	89.69	1.96	1974	1977
100	505	16582	504	-79.7	-67.3	-92.1			484	088	1.5	7.7	97.98	1.90	1989	1982
80	446	17856	445	-76.6	-58.5	-88.0			420	078	4.2	7.7	107.64	2.18	1980	1976
70	424	18645	424	-72.4	-56.1	-86.3			397	082	2.9	7.7	123.67	2.19	1987	1984
60	374	19562	374	-67.4	-54.7	-83.9			341	089	1.9	8.4	125.28	2.27	1983	1984
50	335	20685	335	-62.0	-50.7	-74.3			306	103	2.9	11.2	133.42	2.34	1988	1984
40	282	22095	282	-57.1	-41.7	-70.1			251	109	4.4	14.1	149.64	2.90	1988	1987
30	229	23943	229	-52.0	-38.9	-64.1			197	108	4.3	15.8	134.17	1.74	1985	1990
25	190	25115	190	-49.9	-38.7	-62.9			156	097	3.4	17.3	139.97	1.80	1989	1987
20	145	26591	145	-47.5	-38.3	-60.3			115	091	4.3	19.1	180.98	1.73	1987	1990
15	108	28457	108	-45.0	-35.9	-56.3			83	082	3.2	20.2	206.07	2.04	1989	1988
10	79	31223	79	-41.8	-30.1	-53.9			60	350	2.0	16.0	176.60	2.06	1983	1986
7	55	33650	55	-40.1	-32.1	-50.1			23	283	7.5	19.7	289.65	2.45	1987	1985

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

595 567 483

478 099 1665 -81.5

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

JANUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1008	620	22.1	27.4	17.0	620	18.1	518	017	1.2	2.4	1.57	0.60	1986	1986
1000	577	118	576	21.8	26.0	16.0	573	17.8	568	024	1.5	2.9	12.32	0.67	1971	1971
950	576	548	576	19.5	28.4	8.4	563	14.6	568	060	1.8	3.7	20.85	1.18	1989	1986
900	576	1026	576	16.9	26.4	9.4	561	9.8	568	052	2.2	4.0	11.03	1.30	1985	1989
850	576	1511	575	14.6	26.0	9.0	555	4.8	567	030	2.6	4.5	10.59	1.34	1972	1976
800	575	2022	574	12.4	24.6	5.0	504	-0.2	566	010	2.5	5.1	9.91	1.32	1985	1976
750	575	2558	574	10.2	21.6	1.0	440	-5.1	564	332	2.7	5.7	10.06	1.52	1985	1983
700	575	3132	575	7.9	18.0	1.4	372	-8.9	565	304	3.7	6.5	9.93	1.62	1985	1982
650	564	3739	563	5.0	14.2	-5.9	288	-11.9	554	291	5.0	7.5	11.87	1.58	1985	1986
600	563	4389	563	1.7	12.0	-7.1	251	-14.7	553	284	6.7	8.9	13.15	1.47	1990	1981
550	558	5082	558	-2.4	7.2	-9.0	210	-18.0	547	279	8.4	10.4	15.10	1.48	1990	1975
500	554	5836	554	-7.0	2.8	-17.7	185	-22.1	543	277	10.2	12.3	19.04	1.62	1990	1983
450	543	6647	543	-12.1	-3.5	-20.0	156	-26.6	527	275	12.6	14.6	22.95	1.82	1990	1978
400	535	7543	535	-17.8	-7.9	-28.0	146	-32.2	518	274	15.1	17.2	28.73	2.08	1990	1974
350	521	8527	521	-24.2	-12.7	-37.9	122	-37.9	492	271	17.9	19.7	33.24	2.28	1989	1983
300	510	9639	510	-31.9	-22.1	-43.0	109	-44.9	482	266	20.3	22.1	43.51	2.50	1985	1976
250	484	10902	484	-41.6	-31.3	-51.3	74	-53.8	440	260	21.5	23.5	53.37	2.33	1983	1982
200	448	12381	448	-53.1	-42.9	-62.1	1	-61.0	387	254	21.6	23.4	65.58	2.28	1983	1980
175	394	13230	394	-59.6	-49.1	-67.9			306	252	20.4	22.2	69.74	2.17	1984	1980
150	344	14180	344	-66.4	-55.3	-74.1			267	250	17.7	20.2	86.15	2.52	1984	1982
125	285	15266	284	-72.7	-60.0	-83.0			197	248	12.9	15.5	108.79	3.11	1971	1978
100	229	16556	229	-78.4	-63.0	-88.1			155	257	6.6	10.6	95.06	3.37	1971	1982
80	168	17830	168	-75.9	-61.3	-84.9			98	254	3.3	7.7	138.52	2.51	1989	1989
70	152	18620	152	-72.8	-57.1	-89.0			89	268	2.4	7.8	149.41	3.01	1989	1974
60	126	19536	126	-67.4	-50.9	-78.1			66	281	1.6	5.6	154.32	3.16	1989	1980
50	110	20656	110	-61.7	-42.7	-72.9			57	293	2.0	5.7	175.55	3.51	1989	1980
40	80	22083	80	-56.6	-40.1	-66.9			28	089	1.8	5.2	203.82	3.70	1989	1985
30	59	23963	59	-50.7	-36.9	-62.1			18	076	6.1	7.3	203.35	3.94	1989	1985
25	44	25132	44	-49.1	-35.1	-59.7			11	079	7.1	9.9	201.83	4.16	1989	1980
20	35	26590	35	-46.8	-38.5	-55.5			7	091	6.6	8.3	245.33	3.85	1989	1985
15	16	28523	16	-45.6	-39.9	-50.5			1	080	15.0	15.0			1984	1985
10	7	31342	7	-41.6	-38.5	-48.3									1989	1989
7																

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

563 579 467

190 099 1667 -79.8

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

FEBRUARY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	565	1007	565	23.6	29.0	20.0	565	20.3	565	259	1.0	2.7	1.75	0.78	1974	1976
<i>1000</i>	545	101	538	23.4	28.0	20.0	536	19.8	528	260	1.0	3.0	13.94	0.65	1974	1976
<i>950</i>	539	535	539	21.4	31.8	14.2	534	15.2	530	224	1.1	4.0	21.47	0.88	1990	1989
<i>900</i>	539	1015	539	19.1	31.0	11.8	533	10.2	530	207	0.6	4.1	13.92	1.02	1990	1985
<i>850</i>	539	1505	539	16.5	26.2	9.0	530	6.1	530	335	0.9	4.7	14.14	0.94	1990	1971
<i>800</i>	539	2019	538	13.3	21.4	5.8	513	2.2	530	337	2.2	5.5	14.25	0.94	1989	1987
<i>750</i>	539	2554	538	10.2	21.0	3.4	487	-1.9	530	319	3.4	6.2	15.44	0.89	1990	1983
<i>700</i>	539	3129	538	7.3	18.8	0.8	434	-6.3	530	304	4.5	7.1	14.51	1.01	1990	1988
<i>650</i>	532	3734	531	4.3	14.8	-6.0	361	-10.6	522	290	5.4	7.9	14.96	1.25	1983	1977
<i>600</i>	528	4382	527	1.2	10.0	-7.0	319	-14.8	517	282	7.4	9.5	17.05	1.25	1985	1971
<i>550</i>	525	5074	524	-2.7	5.0	-11.0	245	-18.1	511	277	9.4	11.4	16.71	1.24	1985	1978
<i>500</i>	523	5828	523	-7.2	0.4	-14.0	216	-22.0	509	276	11.4	13.4	17.11	1.27	1985	1971
<i>450</i>	512	6639	512	-12.2	-3.7	-22.0	179	-26.4	484	274	13.7	16.0	19.70	1.46	1990	1973
<i>400</i>	507	7536	507	-17.7	-9.0	-31.0	156	-31.4	477	273	16.2	18.5	20.69	1.67	1971	1978
<i>350</i>	489	8520	489	-24.1	-15.9	-33.0	130	-37.3	449	269	19.2	21.6	25.83	1.87	1990	1976
<i>300</i>	481	9633	481	-32.0	-23.5	-42.0	114	-44.9	444	265	21.3	23.4	32.40	2.09	1983	1978
<i>250</i>	453	10896	453	-41.6	-27.0	-52.0	80	-53.4	410	260	22.3	24.3	42.00	2.13	1978	1978
<i>200</i>	426	12376	426	-53.1	-38.5	-65.3	3	-60.0	368	258	22.4	24.7	56.40	2.44	1990	1989
<i>175</i>	365	13227	365	-59.2	-46.1	-68.3			287	254	19.9	22.5	63.18	2.48	1990	1986
<i>150</i>	326	14176	326	-66.0	-51.9	-75.9			253	252	17.6	20.4	74.37	2.69	1990	1986
<i>125</i>	258	15262	257	-72.4	-59.3	-82.1			174	254	14.1	16.4	93.87	2.61	1990	1986
<i>100</i>	184	16550	184	-78.7	-68.0	-87.1			120	255	9.9	12.3	116.20	2.55	1971	1986
<i>80</i>	120	17833	120	-77.1	-68.0	-86.1			65	254	5.4	8.0	135.70	1.33	1971	1979
<i>70</i>	113	18613	113	-74.1	-60.5	-85.1			60	271	4.3	7.0	149.62	2.52	1987	1979
<i>60</i>	96	19522	96	-69.5	-56.1	-80.1			47	288	3.0	6.4	151.51	2.52	1987	1979
<i>50</i>	86	20634	86	-63.7	-51.7	-76.1			39	250	1.2	5.9	170.07	2.38	1987	1979
<i>40</i>	60	22059	60	-57.8	-36.1	-65.1			23	271	2.3	5.8	192.77	2.45	1983	1987
<i>30</i>	43	23924	43	-52.8	-43.1	-63.0			20	059	3.5	5.4	206.62	3.81	1987	1971
<i>25</i>	23	25128	28	-49.6	-40.1	-57.1			12	071	4.3	6.9	207.41	3.74	1990	1987
<i>20</i>	23	26604	23	-47.6	-38.1	-54.9			9	077	7.9	8.9	239.11	3.63	1987	1983
<i>15</i>	15	28497	16	-45.7	-40.1	-54.1			3	076	3.8	4.0			1984	1983
<i>10</i>	9	31277	9	-43.3	-37.1	-48.3			1	073	7.0	7.0			1984	1987
<i>7</i>	3	33880	3	-39.4	-38.1	-41.5									1984	1988

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

527 586 457

136 096 1680 -80.0

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

MARCH 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1005	520	25.5	29.8	20.0	620	21.9	620	241	2.7	3.4	1.40	0.75	1984	1971
1000	604	86	587	25.3	29.2	20.2	585	21.3	585	243	2.7	3.6	11.45	0.68	1984	1989
950	597	523	597	23.8	31.8	16.0	596	14.9	595	237	4.0	5.0	19.95	0.66	1985	1987
900	597	1007	596	22.6	29.2	14.0	590	8.7	595	235	3.1	4.7	11.79	0.93	1985	1971
850	597	1502	595	19.9	26.0	12.0	590	4.9	595	265	1.5	4.3	12.11	0.82	1971	1971
800	597	2021	595	16.2	22.2	5.6	589	2.2	595	323	1.8	4.6	12.29	0.85	1990	1987
750	596	2560	594	11.8	18.0	1.6	580	-0.9	593	336	3.0	5.6	14.05	0.86	1971	1987
700	596	3139	595	7.5	15.8	-5.5	565	-4.5	592	331	3.9	6.5	13.18	0.89	1985	1983
650	579	3744	577	3.9	12.0	-5.1	590	-8.8	572	318	4.3	7.1	12.59	0.96	1985	1989
600	571	4393	570	0.6	8.8	-7.1	410	-13.9	562	301	5.1	7.8	12.96	1.11	1988	1989
550	566	5081	564	-3.1	6.0	-10.5	302	-18.6	553	290	6.3	8.9	17.11	1.25	1983	1980
500	563	5836	562	-7.4	2.6	-15.0	246	-23.4	550	283	8.0	10.6	16.86	1.37	1988	1978
450	554	6645	553	-12.6	-2.9	-22.5	203	-27.8	533	280	10.0	12.4	21.91	1.57	1990	1983
400	546	7540	546	-18.2	-6.5	-31.1	186	-32.8	523	276	12.6	15.2	23.52	1.88	1990	1982
350	526	8523	526	-24.5	-14.1	-35.5	156	-38.4	493	272	16.1	18.8	30.11	2.03	1990	1981
300	510	9633	510	-32.2	-21.3	-45.1	141	-45.2	478	265	18.8	21.4	37.06	2.21	1988	1981
250	483	10896	483	-41.3	-30.9	-53.9	89	-54.5	441	261	21.0	23.5	45.60	2.22	1987	1981
200	457	12377	457	-52.4	-40.7	-61.7	1	-58.0	412	256	21.7	24.1	58.02	2.24	1987	1981
175	414	13230	414	-58.6	-46.1	-66.5			347	258	20.2	22.6	65.91	2.43	1990	1982
150	378	14184	378	-65.4	-52.1	-74.5			313	257	17.5	20.4	72.70	2.76	1990	1979
125	315	15277	315	-71.6	-58.1	-82.1			232	253	13.1	15.7	85.92	3.17	1990	1985
100	251	16576	251	-77.4	-64.5	-86.1			184	260	8.4	11.6	108.58	3.55	1984	1986
80	180	17859	180	-76.2	-66.0	-85.1			103	265	3.4	8.2	121.92	1.96	1971	1988
70	157	18642	157	-73.2	-61.7	-83.3			89	273	3.5	7.7	138.78	2.52	1980	1988
60	132	19558	132	-68.5	-57.1	-83.0			67	261	2.2	7.1	150.93	2.80	1982	1972
50	117	20675	117	-62.6	-47.1	-74.7			58	309	0.8	6.6	162.11	2.73	1983	1983
40	80	22070	80	-56.6	-43.1	-69.0			29	045	1.5	6.5	211.87	4.04	1983	1971
30	55	23928	55	-51.1	-40.1	-66.0			19	074	5.5	8.1	114.28	3.99	1983	1971
25	45	25116	46	-48.2	-35.5	-55.1			13	077	5.7	8.0	124.84	2.53	1983	1983
20	35	26519	35	-45.4	-38.1	-52.1			10	083	4.9	9.1	101.37	2.15	1983	1984
15	21	28563	21	-44.2	-35.1	-50.1			2	119	14.5	15.0	96.17	2.60	1986	1985
10	13	31324	13	-41.0	-35.1	-46.3									1984	1985
7	5	33602	5	-40.7	-35.7	-43.1									1988	1986

FREEZING LEVEL			1ST TROPOPAUSE				2ND TROPOPAUSE			
N	P	ALT	N	P	ALT	T	N	P	ALT	T
570	592	449					197	097	1682	-79.1

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

APRIL 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	600	1002	606	27.4	31.0	21.0	600	24.1	600	236	4.6	5.1	1.22	0.64	1974	1971
1000	581	61	475	27.2	31.0	21.0	474	23.7	473	237	4.6	5.1	10.97	0.71	1977	1971
950	576	501	576	25.3	31.4	19.0	575	18.4	571	238	7.1	7.6	20.36	0.62	1990	1986
900	576	987	576	24.8	33.0	17.0	571	11.5	571	239	5.8	6.6	11.77	0.78	1982	1971
850	576	1487	576	22.7	30.0	12.0	571	7.5	570	256	3.2	4.8	11.94	0.94	1971	1971
800	576	2011	576	19.1	25.4	11.0	573	4.3	570	304	2.2	4.2	12.28	0.92	1990	1971
750	576	2556	576	14.8	22.2	6.2	567	1.5	569	341	2.7	4.9	13.73	1.02	1990	1986
700	576	3140	576	10.0	19.0	4.0	565	-1.5	570	352	3.6	5.7	13.38	1.00	1990	1977
650	569	3749	568	5.3	15.4	-2.0	541	-5.1	564	350	4.1	6.4	13.95	1.10	1990	1977
600	566	4400	566	0.9	11.0	-7.0	502	-9.9	561	336	4.2	6.6	14.71	1.19	1990	1971
550	564	5090	564	-2.8	7.2	-12.0	426	-14.9	557	315	4.4	6.9	16.37	1.31	1990	1972
500	561	5846	561	-6.8	1.8	-17.0	362	-20.8	555	297	5.1	7.7	18.86	1.47	1990	1972
450	550	6657	550	-11.5	-3.5	-22.0	290	-25.5	535	285	6.7	9.3	22.16	1.45	1983	1977
400	542	7557	542	-17.1	-8.7	-26.0	254	-30.7	527	279	9.0	11.6	26.12	1.53	1985	1976
350	525	8544	525	-23.7	-13.3	-33.0	202	-36.5	500	273	11.5	14.0	29.66	1.68	1990	1976
300	514	9660	514	-31.3	-20.1	-42.0	173	-43.2	490	267	14.2	16.9	34.77	2.09	1985	1976
250	500	10926	499	-40.6	-28.5	-49.0	104	-51.8	470	262	17.1	19.6	44.84	2.32	1990	1978
200	482	12411	480	-51.8	-38.3	-61.0	5	-60.6	446	256	18.0	20.4	58.43	2.43	1990	1977
175	442	13264	441	-58.1	-45.0	-69.0			386	256	17.0	19.2	63.21	2.42	1971	1977
150	420	14221	419	-65.0	-50.0	-75.1			364	257	14.3	16.6	71.25	2.50	1971	1981
125	361	15308	360	-71.7	-59.1	-82.5			296	260	10.0	12.4	83.45	2.71	1982	1986
100	317	16598	317	-78.4	-64.0	-90.0			255	260	3.8	8.8	92.54	2.75	1971	1977
80	256	17874	256	-77.4	-66.0	-88.7			184	039	0.8	7.5	105.71	2.23	1971	1988
70	238	18651	238	-74.0	-59.1	-87.9			172	069	1.6	7.6	111.69	2.63	1984	1988
60	205	19567	205	-68.9	-55.1	-82.0			123	082	1.2	6.8	120.20	2.64	1981	1974
50	176	20681	176	-62.4	-47.1	-77.0			101	053	2.2	7.1	126.88	2.63	1981	1978
40	139	22088	139	-56.5	-44.9	-68.1			66	077	5.2	7.8	158.42	2.59	1986	1983
30	111	23949	111	-50.1	-39.1	-62.1			51	086	9.2	10.1	171.63	2.52	1986	1983
25	94	25146	94	-47.7	-36.1	-63.9			41	087	9.1	10.4	156.93	1.96	1986	1983
20	81	26636	81	-44.9	-35.1	-60.1			31	087	11.3	12.8	135.37	1.83	1986	1983
15	57	28521	57	-43.5	-34.7	-59.1			7	103	4.2	10.7	224.73	2.07	1984	1983
10	35	31272	35	-40.9	-31.5	-48.5			1	104	26.0	26.0	230.81	1.90	1983	1983
7	13	33628	13	-40.2	-37.1	-44.1									1983	1984

FREEZING LEVEL
N P ALT

1ST TROPOPAUSE
N P ALT T

2ND TROPOPAUSE
N P ALT T

566 585 459

273 094 1696 -80.3

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

MAY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	998	620	28.9	33.0	24.0	620	25.4	620	232	4.0	4.8	1.96	0.60	1976	1977
1000	600	33	212	28.4	32.0	23.8	212	25.0	210	233	4.2	5.0	15.84	0.89	1976	1987
950	588	479	588	26.4	36.0	18.0	588	21.5	585	236	6.1	7.2	23.46	0.75	1972	1971
900	588	963	587	25.2	36.0	17.2	586	16.3	585	238	5.6	7.1	15.98	1.12	1980	1987
850	588	1464	588	23.3	33.0	14.0	588	11.2	585	257	3.1	5.5	15.79	1.29	1980	1987
800	588	1990	588	20.3	30.0	13.6	587	7.0	584	311	2.3	5.1	15.79	1.17	1989	1987
750	588	2540	588	16.3	25.6	9.4	583	3.6	584	343	3.1	5.7	16.52	1.15	1989	1986
700	588	3126	588	11.7	20.0	4.0	580	0.3	584	355	4.1	6.5	16.19	1.12	1978	1986
650	584	3738	582	6.8	18.8	-0.1	565	-2.8	575	360	5.1	7.4	15.96	1.04	1983	1986
600	578	4393	576	1.9	12.6	-4.5	559	-6.3	567	359	5.3	7.6	16.86	1.07	1989	1986
550	575	5085	572	-2.1	6.4	-9.0	513	-10.7	564	354	4.5	6.9	18.47	1.06	1989	1974
500	569	5842	567	-5.7	3.0	-14.3	464	-16.3	556	352	3.6	6.8	19.67	1.18	1978	1986
450	562	6660	560	-9.8	-1.3	-17.5	359	-20.7	537	339	2.9	7.0	22.16	1.34	1990	1987
400	555	7564	555	-14.7	-4.9	-22.1	306	-26.3	531	303	2.7	7.5	25.06	1.45	1990	1987
350	544	8559	544	-21.1	-10.9	-31.0	224	-32.2	509	272	3.6	8.2	29.20	1.53	1990	1977
300	537	9686	537	-28.7	-17.1	-42.0	185	-39.3	501	257	4.5	8.6	34.78	1.81	1990	1974
250	524	10967	524	-38.5	-27.3	-46.1	123	-48.4	478	238	5.3	9.4	42.08	1.95	1990	1986
200	506	12462	506	-50.5	-38.7	-59.1	22	-57.8	457	222	5.7	10.5	54.13	1.95	1990	1986
175	472	13317	471	-57.6	-44.5	-66.5			414	202	5.4	10.7	60.43	1.99	1990	1986
150	441	14272	440	-65.3	-51.5	-76.3			388	187	4.6	10.4	66.31	1.95	1990	1986
125	385	15355	385	-72.6	-56.1	-86.1			331	143	4.9	10.1	79.63	1.96	1989	1986
100	307	16642	307	-79.7	-67.1	-89.9			260	108	6.8	10.1	94.46	2.53	1990	1983
80	235	17905	235	-77.3	-62.1	-89.1			192	097	8.1	9.8	104.63	2.26	1982	1983
70	216	18686	215	-73.0	-58.5	-88.3			177	092	8.2	9.6	111.48	2.91	1982	1983
60	191	19601	190	-67.4	-50.3	-82.0			144	093	7.9	9.1	118.15	3.00	1982	1977
50	159	20722	159	-61.3	-46.1	-74.0			121	085	9.3	10.2	135.30	2.44	1986	1977
40	124	22129	124	-56.2	-42.5	-64.5			86	091	10.9	11.5	154.55	2.96	1984	1986
30	97	24002	97	-49.7	-36.9	-58.5			67	086	13.8	14.4	192.97	2.90	1984	1982
25	75	25219	75	-47.0	-33.1	-59.3			43	097	15.6	16.4	179.05	2.79	1984	1983
20	60	26716	60	-44.4	-36.5	-55.7			32	097	15.7	16.2	185.02	2.05	1985	1986
15	45	28625	45	-42.4	-32.1	-54.1			7	093	18.9	19.4	224.68	2.42	1985	1986
10	29	31274	29	-40.6	-33.5	-51.1			2	103	10.3	10.5	210.63	1.94	1988	1986
7	9	33538	9	-40.0	-32.7	-43.5									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

574 576 471

271 096 1692 -813

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

JUNE 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	599	995	599	28.7	33.0	23.4	599	24.9	599	240	4.7	5.3	1.40	0.61	1974	1981
<i>1000</i>	572	2	22	28.9	30.8	26.0	22	25.5	21	233	4.9	5.1	12.76	1.12	1983	1977
<i>950</i>	558	443	557	26.5	36.0	17.8	556	21.6	551	250	7.5	8.2	23.56	0.59	1972	1989
<i>900</i>	558	932	556	24.5	34.0	14.0	554	18.1	551	262	8.1	9.3	13.77	0.73	1972	1981
<i>850</i>	558	1432	557	21.9	29.0	11.4	554	15.0	550	276	7.6	9.2	14.19	0.88	1972	1981
<i>800</i>	558	1956	558	18.7	27.0	10.4	554	11.9	551	286	6.5	8.4	14.97	0.90	1987	1981
<i>750</i>	558	2503	557	15.0	23.2	7.4	552	8.5	550	298	5.3	7.5	16.13	0.89	1989	1986
<i>700</i>	558	3087	556	11.2	20.8	5.0	549	5.1	550	311	4.2	7.3	16.71	0.98	1988	1973
<i>650</i>	550	3700	548	7.2	14.4	1.0	539	1.4	535	321	3.7	7.2	17.77	1.01	1984	1973
<i>600</i>	548	4357	544	3.3	11.2	-3.1	531	-2.2	529	333	3.1	7.1	19.13	1.04	1990	1986
<i>550</i>	536	5055	534	-0.3	7.4	-7.0	523	-6.3	510	334	2.5	6.8	22.99	1.00	1990	1976
<i>500</i>	532	5817	531	-4.2	3.0	-11.0	508	-11.0	509	341	1.8	6.6	22.18	1.02	1982	1978
<i>450</i>	520	6639	519	-8.3	8.0	-17.0	479	-16.6	488	011	1.1	6.2	24.68	1.09	1981	1978
<i>400</i>	514	7552	513	-13.2	-4.3	-20.7	455	-22.3	482	063	1.9	6.0	26.47	1.03	1982	1986
<i>350</i>	509	8553	498	-19.6	-11.1	-32.0	373	-28.4	465	085	3.7	6.5	31.98	1.27	1982	1978
<i>300</i>	489	9689	488	-27.2	-19.7	-36.5	329	-36.2	457	093	5.6	7.6	34.26	1.52	1982	1986
<i>250</i>	480	10978	480	-37.2	-28.7	-46.9	214	-45.8	444	092	8.6	10.0	41.17	1.69	1989	1979
<i>200</i>	465	12483	465	-49.7	-40.1	-60.5	45	-56.5	429	089	12.8	14.1	50.50	1.71	1989	1986
<i>175</i>	432	13341	432	-57.0	-50.3	-66.1	1	-64.0	385	088	15.0	16.5	56.56	1.63	1989	1986
<i>150</i>	408	14298	408	-65.3	-56.9	-76.0			368	086	18.5	19.8	61.80	1.66	1990	1977
<i>125</i>	340	15390	340	-72.8	-64.1	-84.1			296	087	21.7	23.0	66.57	1.89	1990	1983
<i>100</i>	285	16674	285	-79.5	-69.1	-89.9			252	087	22.8	23.8	77.13	2.21	1990	1987
<i>80</i>	209	17948	209	-76.2	-61.1	-89.1			163	089	21.7	22.3	89.37	2.48	1985	1983
<i>70</i>	184	18743	184	-71.1	-55.5	-89.1			149	087	19.4	20.0	100.04	3.70	1985	1983
<i>60</i>	152	19657	152	-65.5	-50.5	-82.1			110	086	16.7	17.3	107.83	3.94	1985	1983
<i>50</i>	135	20796	135	-59.3	-45.1	-72.1			92	083	16.4	17.0	121.06	4.57	1985	1983
<i>40</i>	97	22224	97	-54.8	-40.1	-66.1			51	087	15.7	16.2	150.24	3.44	1982	1983
<i>30</i>	78	24071	78	-49.8	-33.3	-61.0			38	088	19.0	19.5	192.32	4.69	1989	1978
<i>25</i>	60	25226	60	-48.0	-34.5	-55.5			22	089	20.9	21.3	198.42	4.06	1989	1986
<i>20</i>	44	26711	44	-45.6	-31.5	-54.5			17	095	20.6	21.2	199.13	4.50	1990	1983
<i>15</i>	34	28574	34	-44.6	-35.1	-52.7			6	097	21.6	22.2	125.80	4.21	1990	1985
<i>10</i>	19	31280	19	-41.0	-31.1	-47.9									1983	1983
<i>7</i>	6	33537	6	-41.0	-37.5	-45.1									1984	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

539 555 498

235 097 1684 -81.2

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

JULY 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	996	620	27.7	31.6	23.0	619	24.6	620	241	4.8	5.4	1.05	0.72	1979	1981
1000	579	10	36	28.2	30.0	26.0	36	25.4	36	230	5.2	5.5	9.27	0.72	1977	1975
950	580	454	580	25.5	33.8	18.8	578	21.7	574	250	7.6	8.1	18.88	0.75	1987	1987
900	580	937	580	23.1	31.0	15.2	578	18.7	574	259	8.8	9.8	8.87	0.89	1979	1989
850	580	1434	580	20.3	28.0	13.8	578	16.0	574	271	8.9	10.1	9.00	0.81	1979	1981
800	580	1956	580	17.3	26.0	10.0	579	13.2	574	279	8.8	10.1	9.85	0.69	1976	1984
750	580	2501	580	14.0	22.4	5.4	579	10.3	574	282	7.8	9.1	12.05	0.75	1987	1985
700	580	3084	580	10.6	20.0	3.6	578	7.0	574	282	6.7	8.0	11.12	0.86	1989	1981
650	574	3696	574	7.3	18.4	-0.3	571	3.0	558	280	5.4	7.3	12.34	0.90	1985	1981
600	571	4354	571	3.8	12.4	-4.1	565	-0.8	552	279	4.5	6.9	13.56	0.88	1988	1980
550	559	5055	559	0.3	7.4	-7.1	552	-5.0	526	280	3.2	6.8	17.20	0.94	1988	1981
500	552	5818	552	-3.5	4.0	-11.1	544	-9.7	519	285	1.6	5.9	16.85	1.04	1978	1981
450	544	6642	543	-7.8	0.0	-19.0	525	-14.9	490	085	0.4	5.7	20.83	1.28	1986	1974
400	538	7554	537	-13.1	-4.1	-22.0	507	-21.0	480	087	3.0	6.2	23.40	1.32	1989	1975
350	531	8557	529	-19.7	-10.5	-28.0	457	-27.9	469	093	5.8	7.6	30.77	1.40	1989	1975
300	522	9692	526	-27.4	-18.9	-37.5	420	-36.1	460	091	9.1	10.2	35.44	1.58	1989	1986
250	507	10980	507	-37.4	-28.5	-46.9	269	-45.6	437	087	14.1	14.8	45.55	1.77	1990	1986
200	488	12483	488	-49.8	-38.5	-67.7	49	-56.5	409	083	20.0	20.5	53.51	1.80	1984	1985
175	459	13344	459	-57.1	-47.9	-68.5			382	081	23.5	24.3	58.02	1.88	1980	1986
150	438	14304	438	-65.1	-53.7	-75.0			367	080	27.1	28.0	68.52	2.15	1990	1978
125	381	15392	381	-72.6	-60.9	-84.1			304	082	30.6	31.5	78.07	2.29	1988	1987
100	310	16683	310	-78.7	-69.3	-90.0			250	085	31.6	32.4	91.21	2.80	1990	1977
80	226	17973	226	-73.5	-58.1	-87.0			150	089	26.5	27.0	117.12	3.49	1990	1972
70	193	18778	193	-68.9	-56.1	-81.5			125	088	23.6	24.1	134.83	3.33	1986	1988
60	166	19713	166	-64.1	-52.1	-77.0			97	086	22.3	22.8	132.34	3.54	1989	1977
50	143	20841	143	-59.4	-46.1	-72.0			79	085	20.4	20.9	166.94	4.13	1989	1975
40	108	22285	108	-55.1	-38.1	-66.0			45	086	20.7	21.1	236.46	4.79	1990	1977
30	88	24163	88	-50.0	-25.9	-60.5			39	092	21.9	22.5	174.76	3.39	1990	1983
25	75	25342	75	-48.2	-34.1	-58.1			21	091	22.9	23.6	203.70	3.51	1990	1987
20	58	26843	58	-46.0	-30.5	-56.7			8	089	22.9	23.2	190.38	3.16	1990	1984
15	38	28754	38	-44.8	-33.7	-56.5			2	094	21.5	21.5	187.31	2.90	1989	1984
10	23	31451	23	-42.7	-34.5	-54.9			1	091	28.0	28.0	121.11	2.65	1983	1984
7	8	33865	8	-41.6	-35.5	-52.1									1985	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

562 546 511

261 101 1667 -79.9

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

AUGUST 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
SURFACE	620	996	620	27.5	31.0	24.0	620	24.6	619	243	4.6	5.2	1.16	0.55	1974	1984
1000	599	10	36	27.8	31.0	25.0	36	24.8	36	251	3.6	4.0	9.32	1.53	1974	1980
950	595	452	592	25.3	33.0	18.6	591	21.6	583	252	6.7	7.5	17.57	0.51	1981	1987
900	595	937	592	22.9	30.0	17.0	591	18.7	582	264	7.6	8.8	9.34	0.57	1981	1987
850	595	1433	593	19.9	28.0	13.4	592	16.1	582	277	8.1	9.5	9.50	0.59	1990	1980
800	595	1955	595	17.0	26.0	12.0	593	13.3	580	283	8.0	9.6	9.64	0.66	1978	1979
750	595	2500	595	13.8	23.0	7.4	593	10.2	580	284	7.6	9.2	9.10	0.70	1986	1985
700	595	3082	595	10.4	19.2	3.0	592	6.8	578	284	6.8	8.5	9.80	0.75	1988	1976
650	586	3694	586	7.2	16.0	2.0	583	3.1	562	282	6.6	7.7	9.42	0.83	1986	1972
600	584	4352	584	3.9	13.4	-1.5	580	-1.0	553	281	4.5	7.3	9.81	0.94	1986	1984
550	575	5053	575	0.3	9.8	-6.5	571	-5.3	531	280	3.1	6.8	10.53	1.02	1986	1985
500	569	5815	569	-3.4	5.8	-10.0	561	-9.9	528	275	1.9	6.5	11.86	1.06	1990	1977
450	554	6640	554	-7.9	4.0	-15.0	531	-15.0	495	239	0.3	6.1	12.95	1.14	1980	1977
400	550	7553	548	-13.0	-2.7	-19.5	515	-21.0	490	099	2.1	6.4	16.92	1.30	1986	1979
350	532	8555	532	-19.7	-11.5	-26.3	460	-27.9	464	096	4.8	7.2	20.16	1.46	1986	1988
300	521	9689	521	-27.6	-19.7	-35.3	419	-36.2	454	096	8.0	9.4	26.53	1.78	1990	1981
250	511	10976	511	-37.7	-26.5	-47.5	280	-45.7	443	089	12.1	12.9	36.20	1.97	1990	1981
200	489	12476	489	-50.3	-40.5	-60.1	58	-57.5	412	084	17.4	18.3	50.30	2.29	1990	1987
175	456	13337	456	-57.5	-47.1	-68.5			372	082	20.6	21.4	59.78	2.33	1990	1987
150	423	14292	423	-65.6	-54.1	-77.1			346	081	23.2	24.2	68.81	2.25	1990	1981
125	336	15372	336	-73.2	-57.5	-87.0			261	082	26.0	26.9	75.29	2.55	1990	1977
100	282	16652	282	-79.0	-61.9	-90.1			217	086	27.3	27.9	98.78	3.32	1990	1987
80	197	17938	197	-72.8	-53.5	-89.0			132	086	23.9	24.4	132.85	4.97	1989	1977
70	166	18736	166	-68.1	-49.7	-82.3			111	087	22.2	22.8	153.51	5.23	1985	1987
60	136	19668	136	-63.8	-46.1	-83.0			74	086	20.9	21.3	156.07	4.24	1985	1977
50	117	20800	117	-58.9	-42.5	-71.0			53	086	19.5	20.2	184.93	3.42	1985	1977
40	85	22234	85	-55.5	-33.5	-68.0			28	087	20.5	20.9	213.48	3.95	1985	1977
30	53	24106	58	-51.0	-34.7	-63.0			17	089	23.1	23.7	233.39	4.94	1986	1971
25	47	25295	47	-49.1	-31.1	-61.0			12	091	21.1	22.0	250.11	5.30	1986	1971
20	31	26787	31	-45.3	-31.3	-51.7			7	093	24.3	25.0	254.05	2.85	1986	1987
15	13	28757	18	-43.1	-33.5	-50.1			1	091	30.0	30.0			1985	1987
10	9	31491	9	-42.6	-36.7	-48.7									1989	1987
7	5	33945	5	-41.7	-35.5	-44.7									1983	1984

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

573 545 513

236 102 1653 -80.4

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

SEPTEMBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	600	999	600	27.3	30.0	24.0	600	24.5	600	249	2.3	3.3	1.10	0.52	1973	1975
1000	576	39	255	27.3	31.0	25.0	253	24.5	257	247	2.1	3.0	9.50	0.62	1978	1974
950	572	478	572	25.2	31.4	18.0	570	21.5	565	252	3.4	5.1	18.83	0.59	1989	1983
900	572	965	572	22.6	30.4	16.0	570	18.5	564	265	3.0	5.5	9.90	0.69	1989	1987
850	572	1461	572	19.7	27.2	12.6	571	15.6	565	287	2.9	6.0	10.03	0.68	1989	1987
800	572	1982	572	16.7	27.0	10.8	571	12.2	563	296	2.9	6.0	10.22	0.77	1989	1987
750	572	2525	572	13.5	22.6	6.4	569	8.7	560	299	3.0	5.9	11.37	0.79	1989	1987
700	572	3107	572	10.2	18.8	3.2	566	5.2	559	303	2.6	5.8	10.43	0.93	1990	1987
650	563	3718	563	7.0	18.4	0.2	556	1.1	539	306	2.1	5.6	11.25	0.98	1990	1987
600	561	4376	561	3.6	16.0	-1.9	547	-2.7	532	323	1.2	5.4	12.07	0.97	1990	1987
550	553	5076	552	-0.2	11.8	-6.3	535	-6.9	516	025	0.5	5.2	12.92	1.05	1990	1988
500	552	5837	551	-4.1	7.4	-10.0	523	-11.8	514	074	1.2	5.6	15.81	1.12	1990	1977
450	544	6659	542	-8.6	1.6	-15.0	485	-17.0	487	092	2.1	5.7	16.11	1.24	1990	1977
400	539	7568	537	-13.9	-4.7	-23.0	459	-23.2	478	098	3.0	6.1	20.53	1.37	1990	1976
350	523	8569	523	-20.5	-12.9	-30.0	371	-29.3	454	103	4.5	6.7	26.84	1.67	1989	1976
300	516	9699	516	-28.3	-19.9	-38.0	324	-37.6	444	103	6.4	7.8	34.20	1.95	1989	1977
250	498	10980	498	-38.5	-29.1	-49.0	211	-47.6	422	098	8.7	9.6	44.96	2.09	1989	1977
200	475	12476	475	-51.0	-41.3	-60.1	37	-58.1	396	092	12.9	13.7	58.35	2.19	1989	1980
175	442	13332	442	-58.2	-47.9	-69.3			356	089	15.3	16.3	66.37	2.28	1989	1980
150	400	14287	400	-66.2	-55.9	-75.0			328	088	17.7	18.8	74.50	2.46	1989	1974
125	314	15371	314	-73.7	-59.0	-83.9			254	089	20.2	21.0	85.32	2.72	1976	1987
100	241	16641	241	-79.2	-68.7	-88.5			194	094	19.8	20.4	100.99	3.24	1984	1987
80	175	17934	175	-73.0	-63.1	-84.5			128	088	16.2	16.8	112.49	3.79	1982	1988
70	160	18731	160	-68.5	-57.1	-81.5			113	087	15.1	15.5	129.17	3.78	1985	1988
60	133	19649	133	-64.5	-53.1	-74.0			84	087	14.1	14.7	128.61	3.81	1984	1975
50	113	20780	113	-59.7	-45.5	-69.1			70	083	14.3	14.8	150.19	3.89	1984	1988
40	82	22214	82	-54.9	-39.5	-64.0			33	093	15.5	16.5	179.30	3.83	1984	1975
30	54	24111	54	-49.2	-32.7	-60.0			17	089	16.1	16.3	216.23	4.48	1984	1973
25	33	25332	38	-47.5	-39.7	-58.0			11	097	15.7	17.5	172.24	4.14	1985	1973
20	27	26843	27	-46.2	-36.5	-52.1			6	097	20.0	20.2	198.44	3.66	1985	1979
15	17	28768	17	-44.4	-37.9	-49.5			2	095	17.4	17.5			1989	1983
10	9	31525	9	-42.1	-37.7	-47.5			1	101	16.0	16.0			1988	1990
7	4	33839	4	-42.6	-38.9	-44.3			1	100	24.0	24.0			1983	1983

FREEZING LEVEL

N P ALT

1ST TROPOPAUSE

N P ALT T

2ND TROPOPAUSE

N P ALT T

554 551 505

207 103 1648 -80.4

NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

OCTOBER 1971-90

0000 UTC

LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1003	620	26.3	30.0	20.0	620	23.1	620	003	1.1	2.9	1.83	0.58	1971	1971
1000	594	72	477	26.0	30.0	22.4	476	22.7	472	008	1.5	2.8	16.76	0.62	1976	1983
950	573	510	573	24.2	31.0	18.0	572	19.6	564	043	1.7	4.5	27.07	0.61	1978	1976
900	573	994	572	21.4	28.4	15.0	569	15.8	564	060	2.5	5.2	17.71	0.67	1989	1986
850	573	1488	572	18.4	25.2	11.6	569	12.1	564	062	2.8	5.6	17.62	0.66	1989	1986
800	572	2006	572	15.4	28.0	6.0	564	8.6	563	064	2.6	5.7	17.89	0.72	1977	1975
750	572	2547	572	12.5	20.6	3.8	554	4.9	563	058	2.2	5.7	21.06	0.75	1989	1983
700	572	3127	572	9.6	17.4	3.8	541	1.2	563	057	1.4	5.4	18.02	0.83	1986	1984
650	565	3737	565	6.5	14.2	1.0	492	-2.0	551	075	0.9	5.3	18.95	0.83	1989	1986
600	556	4392	556	3.1	11.0	-2.1	456	-5.7	539	113	1.1	5.2	18.27	0.79	1983	1980
550	545	5090	545	-0.5	8.2	-7.5	412	-9.7	528	122	1.3	5.2	19.66	0.98	1983	1982
500	540	5850	540	-4.7	4.6	-10.1	385	-14.5	524	118	1.4	5.5	19.22	1.08	1983	1980
450	531	6670	531	-9.4	-1.5	-16.1	334	-18.9	510	131	1.4	5.6	20.06	1.18	1983	1979
400	524	7576	524	-14.7	-6.9	-21.7	314	-24.8	503	150	1.3	5.7	21.58	1.31	1990	1982
350	517	8571	516	-21.4	-11.7	-30.0	264	-31.0	489	165	1.4	6.2	25.97	1.50	1990	1971
300	513	9698	513	-29.3	-18.5	-40.0	244	-39.2	486	176	2.0	6.9	29.79	1.75	1990	1971
250	491	10973	490	-39.6	-29.7	-50.0	147	-48.5	460	172	2.8	8.2	38.25	1.85	1983	1971
200	467	12462	467	-51.8	-41.1	-62.0	24	-58.7	436	159	3.8	9.6	46.05	1.97	1990	1977
175	420	13316	420	-58.8	-48.5	-70.0			393	153	4.8	10.7	51.29	1.96	1990	1977
150	380	14267	380	-66.6	-56.3	-76.0			358	139	6.3	11.5	59.12	2.03	1990	1977
125	310	15345	308	-73.7	-56.5	-82.9			289	126	7.2	10.9	69.91	2.27	1987	1987
100	238	16622	236	-79.7	-69.1	-89.7			220	109	7.9	10.0	81.82	2.84	1982	1987
80	174	17912	172	-74.1	-61.1	-82.1			153	092	8.0	9.3	94.66	2.99	1989	1981
70	152	18715	152	-69.5	-55.3	-82.0			133	088	8.5	9.3	104.01	3.10	1989	1977
60	127	19647	127	-64.7	-51.7	-73.1			103	086	8.7	9.5	115.34	3.27	1989	1982
50	111	20784	111	-59.8	-46.1	-69.0			88	084	9.7	10.1	118.01	3.87	1989	1978
40	75	22212	75	-55.1	-42.7	-62.5			47	087	11.7	12.3	124.37	3.47	1989	1982
30	56	24077	56	-50.0	-36.1	-59.0			31	087	12.8	13.8	151.53	4.30	1985	1977
25	40	25290	40	-48.0	-41.1	-57.0			21	086	13.5	14.1	135.28	3.05	1982	1977
20	28	26617	28	-46.0	-37.3	-59.7			15	101	12.2	12.6	92.02	2.92	1982	1982
15	16	28738	16	-44.3	-36.1	-52.5			5	113	9.5	10.0			1985	1984
10	9	31433	9	-40.6	-35.1	-49.1									1990	1984
7	2	33650	2	-43.1	-40.1	-46.1									1983	1984

FREEZING LEVEL

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NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

NOVEMBER 1971-90

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LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SOTT	YRTX	YRTN
SURFACE	600	1006	600	24.4	28.4	20.0	600	19.8	600	023	3.5	4.3	1.45	0.66	1988	1987
1000	577	97	553	24.2	28.2	19.6	549	19.3	545	025	3.7	4.4	11.80	0.66	1988	1987
950	566	532	566	22.2	32.8	15.2	561	16.0	558	049	5.6	6.5	20.42	0.97	1989	1987
900	566	1013	566	19.2	29.8	13.0	560	12.2	558	058	6.0	7.0	11.09	1.23	1989	1971
850	566	1503	565	16.5	25.8	10.0	556	8.3	558	063	4.9	6.5	11.20	1.33	1989	1971
800	566	2018	565	14.2	21.8	7.0	536	4.3	558	068	3.6	5.9	11.36	1.09	1982	1971
750	566	2557	566	12.1	18.8	5.0	484	0.7	556	065	2.5	5.4	12.96	0.81	1987	1973
700	566	3136	566	9.5	16.4	0.0	439	-2.6	558	054	1.8	5.1	11.45	0.87	1988	1977
650	557	3747	556	6.5	13.8	-2.0	392	-5.4	546	047	1.3	5.2	12.86	0.91	1989	1978
600	552	4402	551	3.0	9.6	-3.5	373	-9.0	543	024	0.8	5.5	15.18	0.91	1990	1980
550	545	5097	544	-0.8	7.0	-11.5	335	-13.0	530	353	0.9	6.0	16.49	0.96	1989	1982
500	539	5856	538	-5.1	3.2	-11.7	314	-17.8	527	319	1.3	6.4	15.92	1.01	1990	1980
450	534	6674	534	-10.0	-2.5	-16.0	284	-22.5	512	288	2.4	7.1	18.39	1.12	1990	1978
400	525	7577	525	-15.7	-6.5	-25.0	264	-28.1	505	277	3.7	8.0	20.32	1.34	1990	1975
350	511	8567	511	-22.6	-12.3	-29.0	209	-34.2	483	265	5.9	9.5	26.14	1.57	1990	1977
300	504	9687	504	-30.6	-18.5	-41.0	186	-41.4	477	254	8.0	10.9	29.39	1.79	1990	1975
250	487	10955	487	-40.7	-28.9	-49.0	121	-50.8	452	242	9.5	12.4	35.48	1.71	1990	1975
200	460	12437	460	-52.8	-40.1	-62.1	13	-57.4	422	228	10.9	14.1	46.99	1.98	1984	1985
175	412	13286	412	-59.6	-47.3	-69.0			368	226	10.5	13.8	52.97	2.04	1990	1975
150	369	14233	369	-67.2	-53.7	-76.9			330	229	9.3	12.9	65.33	2.23	1990	1982
125	285	15310	285	-73.9	-60.3	-84.1			246	232	6.4	10.6	80.46	2.54	1990	1982
100	231	16585	231	-80.0	-69.0	-89.7			194	194	1.5	8.2	90.09	3.35	1971	1988
80	161	17879	161	-76.1	-61.7	-86.0			115	088	2.4	6.6	105.43	2.95	1990	1978
70	136	18661	136	-72.1	-56.3	-84.0			99	101	2.6	5.6	124.40	3.43	1990	1978
60	110	19587	110	-67.3	-53.9	-81.1			71	077	2.5	5.6	142.57	4.26	1990	1984
50	97	20705	97	-61.4	-50.3	-79.5			63	070	3.2	6.4	159.07	4.59	1990	1984
40	73	22117	78	-56.7	-40.5	-75.5			34	088	5.8	8.2	168.81	4.19	1988	1984
30	50	23996	50	-51.3	-39.3	-70.3			19	092	7.6	10.3	200.37	4.34	1989	1984
25	34	25181	34	-48.9	-35.3	-68.1			12	097	9.4	11.9	162.58	3.61	1989	1984
20	22	26671	22	-46.9	-37.3	-64.7			7	087	8.4	12.8	163.18	4.42	1983	1984
15	12	28566	12	-45.7	-36.5	-54.1			3	073	6.6	14.3			1983	1984
10	3	31127	3	-47.4	-42.1	-51.1									1984	1984
7	2	33300	2	-48.3	-47.5	-49.1									1984	1984

FREEZING LEVEL

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NORMALS OF RADIOSONDE DATA

43150 VISHAKHAPATNAM

DECEMBER 1971-90

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LEVEL (HPA)	N	p/H	N	T	TX	TN	N	TD	N	DDD	VR	VM	SDHP	SDTT	YRTX	YRTN
<i>SURFACE</i>	620	1009	620	22.5	27.6	19.0	620	17.4	620	030	3.0	3.5	1.41	0.56	1985	1977
1000	593	118	587	22.3	26.4	18.0	586	16.9	581	033	3.5	4.0	10.60	0.56	1990	1974
950	587	549	587	20.1	29.8	14.0	583	13.9	581	055	4.6	5.3	22.37	0.96	1990	1975
900	587	1028	587	17.2	28.0	10.0	578	9.9	581	058	4.4	5.2	10.36	1.15	1990	1980
850	587	1514	587	15.0	24.8	7.0	575	5.3	581	053	3.7	5.2	10.38	1.04	1990	1975
800	587	2027	587	13.3	23.2	6.0	522	0.6	580	043	2.5	5.2	10.63	0.91	1990	1975
750	587	2564	587	11.4	22.0	2.0	445	-2.8	579	023	1.8	5.0	12.38	1.00	1990	1973
700	587	3141	586	8.9	19.0	2.0	381	-6.0	579	341	1.5	5.3	12.10	1.03	1977	1981
650	581	3750	579	5.7	14.4	-5.0	308	-9.2	574	312	2.1	5.6	14.01	1.10	1981	1977
600	575	4402	575	2.3	12.0	-4.1	275	-12.7	569	294	3.1	6.7	13.98	0.92	1981	1981
550	566	5096	566	-1.7	7.8	-9.1	236	-16.1	558	286	3.9	7.5	16.73	0.97	1981	1981
500	561	5852	561	-6.1	2.8	-17.9	216	-20.2	551	279	5.5	8.8	16.81	1.02	1988	1981
450	546	6664	546	-11.4	-2.5	-20.0	194	-24.6	533	273	7.4	10.3	20.82	1.25	1987	1977
400	535	7562	535	-17.3	-7.3	-28.0	184	-29.9	522	271	9.9	12.5	23.67	1.49	1989	1977
350	518	8548	518	-24.1	-14.9	-33.5	159	-36.0	497	268	12.6	15.1	29.22	1.56	1987	1990
300	509	9661	509	-32.0	-21.9	-40.0	140	-43.1	487	264	15.2	17.7	34.77	1.75	1989	1975
250	489	10922	489	-41.9	-29.3	-51.0	100	-52.3	456	253	18.0	20.6	43.50	1.98	1989	1976
200	459	12396	459	-53.8	-43.3	-61.7	9	-60.6	427	246	19.5	22.3	52.96	2.05	1990	1981
175	405	13241	405	-60.3	-51.1	-69.3			347	246	19.5	22.1	58.71	2.11	1989	1990
150	353	14189	353	-67.2	-56.1	-79.9			296	246	17.3	19.4	72.62	2.42	1983	1990
125	266	15275	266	-73.1	-61.1	-84.7			209	250	13.1	15.2	88.22	2.82	1989	1990
100	218	16558	218	-78.7	-64.3	-89.1			166	253	6.8	10.5	99.25	3.16	1983	1988
80	149	17827	149	-76.8	-66.1	-87.5			101	201	0.4	7.5	129.70	2.67	1983	1988
70	133	18607	133	-73.5	-57.0	-82.3			85	248	0.6	5.9	143.84	3.21	1977	1981
60	107	19531	107	-68.5	-59.1	-81.1			61	242	0.4	5.7	140.50	3.45	1988	1981
50	94	20850	94	-62.5	-49.0	-74.1			53	294	0.8	6.4	159.37	4.02	1976	1984
40	67	22077	67	-57.7	-45.0	-69.9			30	024	1.3	6.5	183.23	4.50	1977	1981
30	53	23933	53	-52.0	-42.3	-65.1			22	345	1.2	8.1	241.89	2.95	1988	1981
25	40	25094	40	-50.8	-41.1	-61.7			14	316	2.1	10.1	240.97	2.70	1988	1981
20	29	26602	29	-48.3	-37.3	-56.1			8	064	2.2	11.1	182.02	2.78	1988	1984
15	16	28585	16	-46.5	-38.1	-55.5									1989	1984
10	10	31388	10	-42.6	-34.1	-51.7									1989	1984
7	3	33596	3	-43.4	-39.5	-48.1									1986	1984

FREEZING LEVEL

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1ST TROPOPAUSE

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