



GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT

Monthly Normals of RAWIN Winds

based on morning and evening data

(1971-2000)

OBSERVATION TIME

0530 IST

1730 IST

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



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Additional Director General of Meteorology (Research)
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Pune
2010

P R E F A C E

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

The India Meteorological Department has been publishing climatological normals of important meteorological parameters from time to time since 1904. First Radiosonde / Radiowind (RS/RW) station started taking upper air observations at New Delhi in December 1943. Seven stations were recording RS/RW data up to 1950. Gradually, the demand for upper air data increased and more number of RS/RW stations were added in the network. Presently, there is a network of 39 RS/RW stations in India. There is also significant change from the point of view of technology. Prior to year 2000, the upper air data was analyzed manually, however, now it is processed through sophisticated softwares.

Upper Air Section, O/o ADGM (R), IMD, Pune is publishing normals of RAWIN winds based on morning and evening data since 1965. The publication contains normal values of upper air resultant wind direction, resultant wind velocity, scalar wind speed and steadiness factor at standard heights. The first publication on normals on Rawin winds for 11 stations based on morning (0000 UTC) and evening (1200 UTC) data for the period 1950-1960 was published in 1965. Second publication in this series on normals of RAWIN winds for 14 stations based on morning (0000 UTC) data for the period 1955-1965 was published in 1970. The third

publication in this series on normals of RAWIN winds of 20 stations based on morning and evening data for the period 1955-1970 was published in 1975. The fourth and the last publication in this series on normals of RAWIN winds was updated in 1987 for the period 1951 to 1980 for 30 Indian stations for 0000 UTC and 1200 UTC. The present publication on normals of RAWIN winds, fifth in the series, has been updated for the data period 1971 to 2000 for 34 Indian stations for 0000 UTC and 1200 UTC.

This publication has been prepared under the overall guidance of Dr. A.B. Mazumdar, LACD of ADGM (R) and Dr. A. L. Koppa, DDGM (C). The entire work of this publication has been done by a group of officers and staff members led by Shri. I.J. Verma, Director, Upper Air Section, O/o ADGM (R), IMD, Pune. The group comprises of Shri. S. C. Buchunde, Shri. I. S. Pillai, Shri. S. H. Bhagwat, Shri. R. M. Walke and Shri. N. D. Sabale. I appreciate the help rendered by entire team of officers and Shri Abraham Philipose for carrying out the DTP work.

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

New Delhi
August 2010

Dr. (AVM) Ajit Tyagi
Director General of Meteorology

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1. Data and Methodology

Upper Air Section, O/o ADGM (R), IMD, Pune is publishing normals of RAWIN winds based on morning and evening data since 1965. The last publication in this series on normals of RAWIN winds was updated in 1987 for the period 1951 to 1980 for 30 Indian stations for 0000 UTC and 1200 UTC. The present publication on normals of RAWIN winds has been updated for the data period 1971 to 2000 for 34 Indian stations for 0000 UTC and 1200 UTC. The present publication contains normal values of upper air resultant wind direction (D), resultant wind velocity (Vr), scalar wind speed (Vm) and steadiness factor (Sf) at standard heights up to 36 km amsl. It may be mentioned that as per the standing practice the averages for the periods less than 30 years are not regarded as normal values but may be treated as 'period averages'. Wind is a vector quantity, for calculating the normal values, it is necessary to calculate the zonal (E-component) and the meridional (N-component) of the wind for each observation at particular level. These parameters have been calculated by using the following formulae;

$$N = -V \times \cos(D)$$

$$E = -V \times \sin(D)$$

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

$$S_f = \frac{V_r}{V_m} \times 100$$

$$D = \theta + \arctan(\text{abs}(E/N))$$

Where,

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

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

V = observed wind velocity in mps

V_r = mean resultant wind velocity in mps (vector mean)

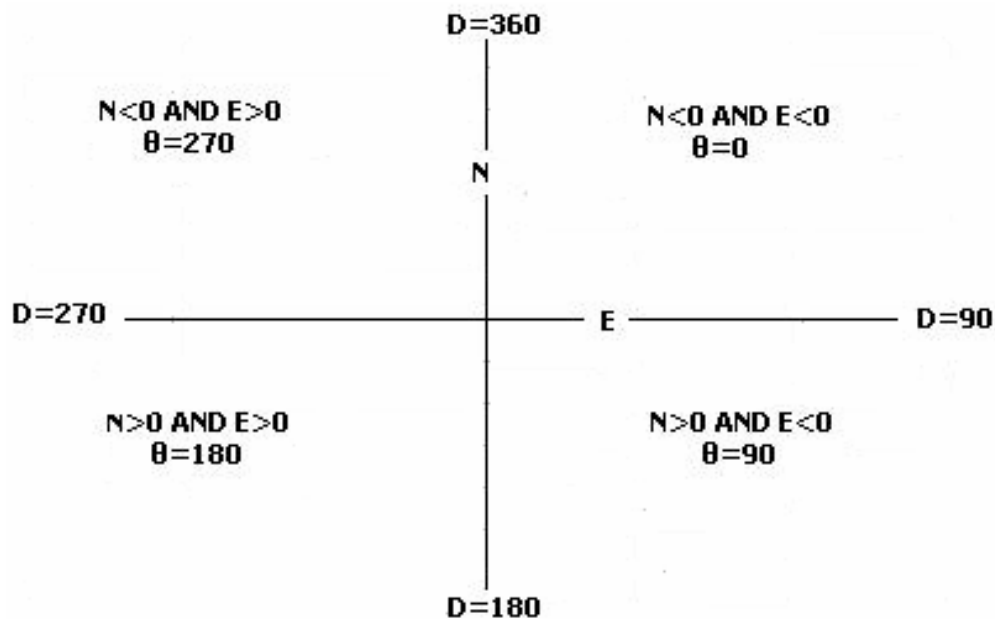
V_m = mean wind speed irrespective of direction in mps (scalar mean)

D = mean resultant wind direction in degrees

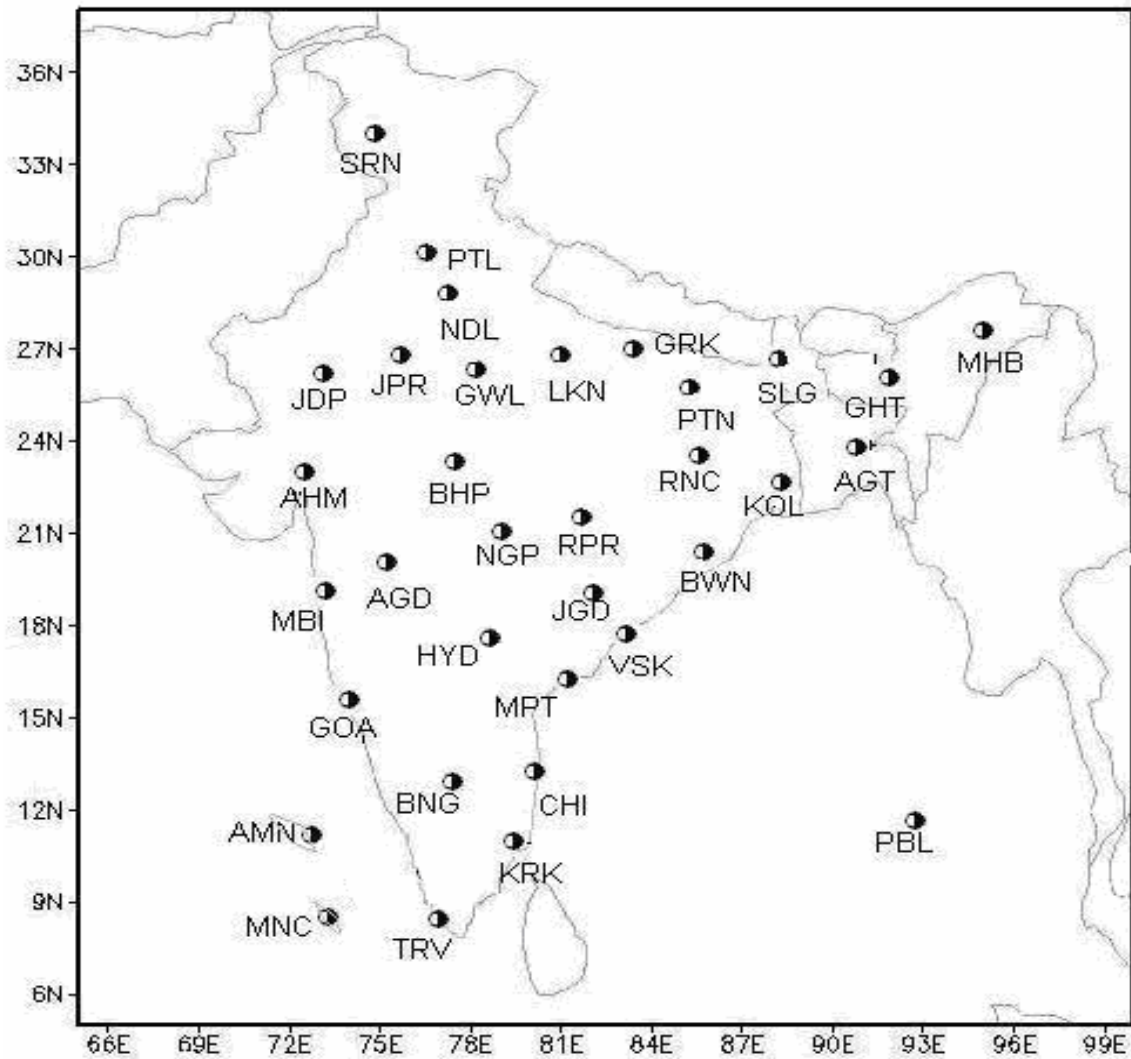
N = total number of observations

S_f = steadiness factor in percent

As $\tan(D)$ is a discontinuous function, the value of θ changes according to the quadrant table given below.



NETWORK OF RAWIN STATIONS IN INDIA



AGT	Agartala	LKN	Lucknow
AHM	Ahmedabad	MPT	Machilipatnam
AMN	Amini	MNG	Mangalore
AGD	Aurangabad	MNC	Minicoy
BNG	Bangaluru	MHB	Mohanbari
BHP	Bhopal	MBI	Mumbai
BWN	Bhubaneshwar	NGP	Nagpur
CHI	Chennai	NDL	New Delhi
Goa	Goa	PTL	Patiala
GRK	Gorakhpur	PTN	Patna
GHT	Guwahati	PBL	Port Blair
GWL	Gwalior	RPR	Raipur
HYD	Hyderabad	RNC	Ranchi
JGD	Jagdalpur	SLG	Siliguri
JDP	Jodhpur	SRN	Srinagar
KRK	Karaikal	TRV	Thiruvananthapuram
KOL	Kolkata	VSK	Vishakhapatnam

List of stations taking RAWIN observations and data availability

S.No.	Station	LAT °N (deg min)	LONG °E (deg min)	Elevation amsl(m)	Data Availability
1	Agartala	23 53	91 15	0016	1972-2000
2	Ahmedabad	23 04	72 38	0055	1971-2000
3	Amini	11 07	72 44	0004	1977-2000
4	Aurangabad	19 51	75 24	0579	1980-2000
5	Bangaluru	12 58	77 35	0921	1971-2000
6	Bhopal	23 17	77 21	0523	1982-2000
7	Bhubaneshwar	20 15	85 50	0046	1971-2000
8	Chennai	13 00	80 11	0016	1971-2000
9	Goa	15 29	73 49	0060	1971-2000
10	Gorakhpur	26 45	83 22	0077	1974-2000
11	Guwahati	26 06	91 35	0054	1971-2000
12	Gwalior	26 14	78 15	0207	1971-2000
13	Hyderabad	17 27	78 28	0545	1971-2000
14	Jagdalpur	19 05	82 02	0553	1979-2000
15	Jodhpur	26 18	73 01	0224	1971-2000
16	Karaikal	10 55	79 50	0007	1973-2000
17	Kolkata	22 39	88 27	0006	1971-2000
18	Lucknow	26 45	80 53	0128	1971-2000
19	Machilipatnam	16 12	81 09	0003	1982-2000
20	Mangalore	12 57	74 50	0031	1973-2000
21	Minicoy	08 18	73 09	0002	1971-2000
22	Mohanbari	27 29	95 01	0111	1971-2000
23	Mumbai	19 07	72 51	0014	1971-2000
24	Nagpur	21 06	79 03	0310	1971-2000
25	New Delhi	28 35	77 12	0216	1971-2000
26	Patiala	30 20	76 28	0251	1974-2000
27	Patna	25 36	85 06	0060	1983-2000
28	Port Blair	11 40	92 43	0079	1971-2000
29	Raipur	21 14	81 39	0625	1979-2000
30	Ranchi	23 26	85 24	0646	1972-2000
31	Siliguri	26 40	88 22	0123	1972-2000
32	Srinagar	34 05	74 50	1587	1972-2000
33	Thiruvananthapuram	08 29	76 57	0064	1971-2000
34	Vishakhapatnam	17 43	83 14	0045	1971-2000

Description of various terms used in the table (Normals of RAWIN winds)

S N	Terms	Description
1	Altitude 0.15	Height above ground level (agl) in km.
2	Altitude 0.3 to 36.0	Height above mean sea level (msl) in km.
3	DDD	Mean resultant wind direction in degrees from true North.
4	VR	Mean resultant wind velocity in mps (vector mean).
5	VM	Mean wind speed irrespective of direction in mps (scalar mean).
6	SF	Steadiness factor in percent.

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2	Ahmedabad	January - February	7
		March - April	8
		May - June	9
		July - August	10
		September - October	11
		November - December	12
3	Amini	January - February	13
		March - April	14
		May - June	15
		July - August	16
		September - October	17
		November - December	18
4	Aurangabad	January - February	19
		March - April	20
		May - June	21
		July - August	22
		September - October	23
		November - December	24
5	Bangaluru	January - February	25
		March - April	26
		May - June	27
		July - August	28
		September - October	29
		November - December	30
6	Bhopal	January - February	31
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8	Chennai	January - February	43
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9	Goa	January - February	49
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10	Gorakhpur	January - February	55
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11	Guwahati	January - February	61
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12	Gwalior	January - February	67
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21	Minicoy	January - February	121
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34	Vishakhapatnam	January - February	403
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NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	023	0.1	0.2	28	170	0.1	0.6	26
0.15	008	1.6	3.2	51	354	0.8	3.7	20
0.3	359	1.7	3.3	52	333	1.0	3.9	25
0.6	343	1.7	3.4	50	308	1.6	4.1	38
0.7	328	1.8	3.3	54	295	1.6	4.0	39
0.9	322	1.9	3.7	51	292	2.4	4.5	53
1.5	295	3.3	5.1	65	284	4.7	6.1	76
2.1	287	5.8	7.4	78	283	7.0	8.2	85
3.1	282	10.5	11.8	89	282	11.1	12.3	90
3.6	279	12.7	14.0	91	281	12.9	14.1	92
4.5	277	16.2	17.7	92	277	16.0	17.2	93
5.8	273	21.6	23.0	94	274	20.8	22.2	93
6.0	273	22.6	24.2	93	273	21.7	23.2	94
7.6	269	28.2	30.4	93	271	27.8	29.6	94
9.5	268	33.2	35.7	93	269	33.5	36.0	93
10.6	268	34.4	36.9	93	269	35.9	38.7	93
12.3	267	37.7	39.8	95	269	37.2	39.8	93
14.1	267	37.9	39.6	96	274	37.3	39.4	94
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	183	1.0	1.4	72	171	1.8	2.3	77
0.15	200	2.3	4.6	49	175	4.2	5.9	72
0.3	218	2.6	5.0	51	185	4.7	6.4	73
0.6	242	3.2	5.5	58	202	5.3	7.1	74
0.7	239	3.9	5.7	69	220	4.5	6.4	69
0.9	256	4.1	6.0	69	219	5.8	7.5	78
1.5	269	5.5	6.9	81	245	6.5	8.1	81
2.1	274	7.6	8.8	86	260	7.6	8.8	86
3.1	280	11.3	12.3	91	275	10.4	11.6	89
3.6	281	13.0	14.0	92	279	11.6	12.9	90
4.5	279	15.3	16.3	93	280	13.6	14.9	91
5.8	277	18.8	20.2	93	278	15.4	16.8	92
6.0	277	19.5	20.9	93	277	15.8	17.2	92
7.6	274	24.1	25.7	93	274	19.0	20.8	91
9.5	271	29.0	31.3	93	271	23.2	25.6	90
10.6	268	32.0	34.4	93	269	25.5	28.1	91
12.3	266	33.8	36.6	92	267	27.9	30.5	91
14.1	265	33.0	36.2	91	269	25.5	27.7	92
16.6	266	29.6	32.7	90	269	18.9	21.1	89
18.5					276	12.2	14.7	82
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	158	1.5	2.1	71	162	2.2	2.6	86
0.15	163	4.1	5.6	72	163	5.7	6.5	88
0.3	172	4.7	6.2	75	171	6.4	7.3	88
0.6	190	5.3	7.0	75	182	6.9	8.0	85
0.7	190	4.8	6.3	77	181	7.0	8.0	88
0.9	204	5.6	7.3	76	191	6.7	8.2	82
1.5	226	5.6	7.4	75	202	5.8	7.7	75
2.1	249	5.6	7.6	74	213	4.8	7.5	64
3.1	275	7.2	9.2	78	234	3.9	7.6	52
3.6	279	8.0	10.0	80	240	3.7	7.7	48
4.5	279	8.9	11.0	80	235	3.5	7.8	45
5.8	276	9.4	11.8	80	222	3.0	7.1	42
6.0	274	9.5	11.9	79	219	3.0	7.2	41
7.6	266	11.0	13.5	82	205	2.9	7.4	40
9.5	260	13.9	16.5	84	183	2.7	7.8	35
10.6	258	15.4	18.1	85	171	2.3	8.4	28
12.3	254	16.6	19.5	85	140	2.0	9.6	21
14.1	257	14.9	17.9	83	072	2.3	10.3	22
16.6	258	8.5	13.5	63	077	6.7	11.2	60
18.5	244	2.3	9.2	25	079	9.0	11.2	81
20.5	095	2.7	9.0	30	087	12.2	13.4	90
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	163	2.6	2.9	89	156	2.0	2.3	86
0.15	163	6.3	7.0	90	156	5.2	6.1	86
0.3	169	6.9	7.7	90	162	5.8	6.7	86
0.6	178	7.4	8.5	87	170	6.0	7.2	83
0.7	173	7.2	8.3	86	171	6.0	7.0	85
0.9	187	7.3	8.6	84	174	5.8	7.3	80
1.5	193	6.1	8.0	76	173	4.8	7.0	69
2.1	196	5.1	7.4	70	170	4.2	6.7	63
3.1	198	4.0	6.8	58	164	3.6	6.4	56
3.6	196	3.6	6.6	54	160	3.6	6.4	55
4.5	184	3.4	6.5	52	150	3.7	6.4	57
5.8	158	3.5	6.7	52	134	3.8	6.4	60
6.0	154	3.5	6.6	53	132	3.9	6.5	60
7.6	127	4.2	6.9	61	116	4.7	7.2	65
9.5	104	6.4	8.9	71	101	6.7	8.8	76
10.6	095	7.6	10.3	74	090	7.9	10.1	78
12.3	080	10.0	13.1	76	076	10.1	12.6	80
14.1	074	13.1	15.8	83	073	13.0	15.4	84
16.6	079	17.6	19.2	91	078	16.4	18.0	91
18.5	084	18.6	19.8	94	082	17.4	18.6	94
20.5	085	18.6	19.5	95	085	17.4	18.7	93
24.0					083	20.3	21.7	94
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	158	1.1	1.5	77	146	0.3	0.7	48
0.15	162	3.6	4.9	73	107	0.9	3.4	26
0.3	168	3.8	5.3	71	108	0.7	3.6	20
0.6	176	3.9	5.6	69	117	0.3	3.7	08
0.7	170	3.6	5.5	65	084	0.2	3.2	06
0.9	181	3.8	5.7	65	211	0.3	3.8	08
1.5	189	3.3	5.5	61	227	0.9	4.0	22
2.1	191	3.0	5.5	55	228	1.7	4.5	39
3.1	192	2.9	5.6	51	235	3.0	5.5	54
3.6	195	2.9	5.6	52	242	4.0	6.4	62
4.5	194	2.7	5.8	47	251	5.4	7.7	71
5.8	193	2.4	6.0	40	255	7.0	9.2	76
6.0	194	2.3	6.0	38	256	7.2	9.4	77
7.6	170	2.0	6.2	32	260	8.8	11.1	79
9.5	142	2.2	6.9	32	261	11.0	13.4	82
10.6	124	2.1	7.8	27	261	11.4	14.2	80
12.3	089	2.5	9.4	26	261	11.8	15.1	78
14.1	065	4.6	11.2	41	254	10.9	14.9	73
16.6	085	7.8	11.8	66	253	7.4	11.8	62
18.5	081	10.6	12.9	82	259	1.6	10.1	16
20.5	088	10.7	12.5	85	094	1.6	9.1	18
24.0	087	16.7	17.5	95				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AGARTALA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	072	0.1	0.3	40	035	0.1	0.2	28
0.15	035	1.8	3.2	56	026	1.7	3.0	57
0.3	033	1.9	3.3	56	023	1.7	3.0	58
0.6	026	1.7	3.3	53	019	1.6	3.0	52
0.7	022	1.6	2.9	56	013	1.4	2.7	53
0.9	015	1.2	3.4	36	360	1.2	3.1	37
1.5	299	0.9	3.9	23	298	1.7	4.1	40
2.1	266	2.2	4.9	45	284	3.7	5.8	64
3.1	266	5.3	7.3	73	280	8.0	9.6	83
3.6	269	6.8	8.7	78	278	9.9	11.5	86
4.5	268	9.5	11.3	84	276	13.2	14.7	90
5.8	268	13.0	14.7	88	274	17.3	19.0	91
6.0	268	13.8	15.4	89	274	18.1	19.8	91
7.6	266	17.8	19.8	90	272	24.1	25.9	93
9.5	263	22.8	25.3	90	270	29.7	31.9	93
10.6	263	25.0	27.5	91	268	32.8	34.9	94
12.3	260	27.8	30.4	91	264	34.8	37.2	94
14.1	260	27.1	29.7	91	266	33.5	36.1	93
16.6	265	19.8	22.8	86	269	26.5	28.5	93
18.5	280	10.8	16.4	66				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	038	2.1	2.8	73	015	1.7	2.8	60
0.15	047	5.3	7.1	74	023	4.0	6.8	60
0.3	049	5.2	7.2	73	023	4.0	6.9	58
0.6	050	3.8	6.5	58	019	3.1	6.6	47
0.7	052	2.7	5.9	46	004	2.7	6.2	43
0.9	037	1.9	5.3	35	358	2.1	5.9	36
1.5	278	1.8	5.0	36	285	2.5	5.5	46
2.1	267	4.2	6.4	65	272	4.6	6.8	69
3.1	269	7.5	9.3	81	270	8.0	10.0	80
3.6	271	9.9	11.4	87	272	10.4	12.4	84
4.5	272	13.8	15.2	91	273	14.6	16.2	90
5.8	272	19.6	20.9	93	274	20.0	21.6	92
6.0	272	20.7	22.1	94	274	21.3	23.0	93
7.6	272	27.4	29.1	94	274	27.8	29.7	93
9.5	271	35.1	37.1	94	273	34.7	37.0	94
10.6	268	38.6	40.9	94	273	38.0	40.5	94
12.3	266	39.1	41.6	94	272	39.5	41.9	94
14.1	265	35.9	37.8	95	273	36.4	38.4	95
16.6	267	26.8	27.9	96	273	26.0	27.2	95
18.5	266	16.8	18.2	92	275	16.1	18.3	88
20.5	275	10.1	11.7	86	274	9.2	11.0	83
24.0	278	5.5	9.1	60				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	334	1.8	2.9	59	304	2.3	3.0	78
0.15	342	4.4	7.1	62	310	6.0	7.4	81
0.3	342	4.5	7.3	62	310	6.1	7.6	81
0.6	340	4.2	7.2	59	311	6.3	7.9	80
0.7	332	3.9	6.9	57	306	5.7	7.2	79
0.9	327	3.6	6.4	56	305	5.6	7.2	78
1.5	289	3.4	5.9	58	286	4.3	6.1	71
2.1	269	5.0	6.9	73	268	4.3	6.0	71
3.1	264	7.5	9.2	82	257	5.6	7.5	74
3.6	264	9.0	10.8	84	256	6.6	8.6	76
4.5	268	11.6	13.3	87	261	7.9	9.9	80
5.8	269	15.7	17.4	90	269	10.3	12.2	84
6.0	270	16.6	18.3	91	270	10.7	12.6	85
7.6	271	21.8	23.7	92	271	14.9	17.1	87
9.5	272	27.8	30.2	92	271	20.9	23.4	89
10.6	271	30.8	33.3	92	270	24.1	27.0	89
12.3	270	32.0	34.7	92	267	26.8	29.5	91
14.1	269	29.7	31.9	93	265	24.6	27.0	91
16.6	268	21.1	22.7	93	262	16.2	18.3	89
18.5	269	12.9	14.4	90	259	6.5	10.5	62
20.5	272	7.0	8.6	82	295	1.2	7.1	17
24.0	289	3.0	7.3	40	073	1.6	6.1	26
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	268	2.3	3.0	77	238	2.3	3.1	76
0.15	277	5.1	6.4	79	242	4.6	6.0	76
0.3	277	5.3	6.7	79	243	4.9	6.4	77
0.6	281	6.3	7.7	82	252	6.3	7.8	80
0.7	278	6.3	7.8	81	261	6.4	8.0	80
0.9	281	6.4	7.6	84	254	6.7	8.3	80
1.5	273	5.6	6.8	82	249	5.2	7.3	71
2.1	270	4.7	6.3	75	247	3.1	6.5	48
3.1	270	3.8	6.4	59	324	0.7	6.4	11
3.6	272	3.6	6.8	53	020	1.4	6.7	21
4.5	284	3.5	6.9	51	026	2.3	6.7	34
5.8	293	5.1	8.0	64	021	2.4	6.8	36
6.0	293	5.6	8.4	66	022	2.3	6.8	34
7.6	287	8.2	11.1	74	028	2.0	7.1	28
9.5	275	12.3	14.8	83	049	1.5	7.5	19
10.6	271	13.9	16.6	84	075	1.4	8.1	17
12.3	262	15.0	17.7	84	105	2.4	9.1	27
14.1	259	13.5	16.3	83	108	5.5	10.6	51
16.6	238	6.0	10.8	55	090	11.0	13.5	81
18.5	133	2.0	7.9	25	086	13.7	15.1	91
20.5	083	5.7	8.8	65	086	14.7	15.5	94
24.0	084	9.8	10.7	91	086	17.6	18.1	97
26.5	095	11.0	12.4	89	092	18.5	18.7	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	236	2.5	2.9	85	247	2.4	2.8	86
0.15	242	5.5	6.4	86	253	5.4	6.2	87
0.3	244	5.9	6.7	87	255	5.9	6.7	88
0.6	252	7.6	8.5	90	263	7.3	8.1	90
0.7	253	8.1	9.0	90	262	7.4	8.1	92
0.9	256	8.3	9.2	90	264	7.7	8.5	90
1.5	252	7.3	8.6	86	255	6.2	7.6	82
2.1	247	5.4	7.4	73	252	4.1	6.4	65
3.1	273	2.2	6.3	35	307	1.7	5.7	30
3.6	315	1.6	6.1	26	343	2.1	5.9	35
4.5	002	1.8	6.1	30	011	2.8	6.0	47
5.8	038	2.4	5.9	40	042	3.3	6.2	53
6.0	046	2.4	5.7	42	047	3.3	6.2	54
7.6	075	3.7	6.2	60	070	4.2	6.5	64
9.5	083	6.4	7.9	81	083	6.5	7.9	83
10.6	086	8.2	9.4	87	087	8.7	9.8	89
12.3	090	11.9	13.0	91	090	12.0	13.0	92
14.1	090	16.3	17.5	93	091	16.9	17.8	95
16.6	088	22.0	22.9	96	090	21.5	22.3	96
18.5	083	21.9	22.4	98	082	19.7	20.2	97
20.5	085	20.5	21.0	97	087	19.6	20.2	97
24.0	088	23.0	23.4	98	087	22.7	23.1	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	272	1.8	2.5	72	006	0.9	2.0	45
0.15	280	4.3	5.9	73	006	2.5	5.5	46
0.3	281	4.5	6.1	74	005	2.5	5.5	46
0.6	285	4.9	6.5	75	003	2.1	5.4	38
0.7	283	4.8	6.4	75	027	1.9	5.2	36
0.9	282	4.2	6.1	68	011	1.6	4.9	34
1.5	262	2.2	5.3	42	042	1.3	4.4	28
2.1	240	0.8	5.1	16	051	1.2	4.6	26
3.1	047	0.8	5.3	14	033	0.9	5.0	18
3.6	035	1.2	5.4	22	355	1.1	5.3	22
4.5	013	1.3	5.4	23	320	2.3	6.0	38
5.8	357	0.6	5.5	10	296	4.3	7.6	56
6.0	351	0.6	5.5	10	294	4.7	7.9	59
7.6	260	0.1	5.7	01	280	7.7	10.6	72
9.5	163	0.6	6.2	10	266	11.3	13.7	83
10.6	151	1.4	7.0	21	261	13.2	15.2	87
12.3	140	3.4	8.4	41	253	14.6	16.6	88
14.1	123	5.5	10.1	55	246	13.6	15.7	86
16.6	091	9.3	11.1	84	242	5.9	9.4	63
18.5	084	10.5	11.3	93	115	1.3	6.5	19
20.5	086	12.6	13.2	96	084	4.7	7.0	66
24.0	086	17.0	17.3	98	086	9.3	10.2	91
26.5	093	19.0	19.4	98	093	11.0	11.7	94
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AHMEDABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	050	2.1	2.6	81	054	2.5	3.0	83
0.15	056	5.0	6.3	80	061	5.8	7.0	83
0.3	058	5.0	6.3	79	063	5.7	7.0	82
0.6	065	4.3	6.0	72	070	4.3	6.2	70
0.7	065	4.0	5.9	68	080	3.5	5.3	67
0.9	068	3.3	5.1	63	074	2.8	5.2	54
1.5	076	1.7	4.3	40	079	0.1	4.6	01
2.1	068	0.4	4.4	09	266	1.8	5.2	34
3.1	308	1.6	5.4	29	278	4.4	7.0	63
3.6	305	2.7	6.2	44	278	6.4	8.7	73
4.5	295	4.7	7.8	60	276	9.4	11.3	84
5.8	286	8.2	11.0	75	272	14.3	15.9	90
6.0	284	9.0	11.7	77	272	15.1	16.7	90
7.6	276	14.1	16.6	85	270	21.1	22.7	93
9.5	270	20.1	22.6	89	266	28.4	30.2	94
10.6	266	22.8	25.3	90	264	32.0	34.1	94
12.3	260	25.0	27.3	91	262	34.4	36.9	93
14.1	257	23.4	25.2	93	261	32.8	34.7	94
16.6	262	14.1	16.0	88	263	23.7	25.1	95
18.5	266	5.6	9.2	60	266	13.7	15.6	88
20.5	281	1.8	6.8	27	272	6.5	9.0	72
24.0	080	2.0	7.3	28	302	2.2	7.0	32
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	004	2.4	2.7	89	354	2.7	2.9	92
0.15	005	3.5	3.9	90	356	3.9	4.2	92
0.3	010	3.7	4.2	88	359	3.8	4.2	91
0.6	026	3.4	4.3	80	007	3.4	4.0	84
0.7	046	3.4	4.6	75	017	2.7	3.7	72
0.9	055	3.1	4.3	72	034	2.5	3.7	68
1.5	093	3.9	5.0	76	098	3.1	4.5	68
2.1	097	3.7	5.2	72	104	4.2	5.6	74
3.1	095	2.3	5.0	47	094	2.9	5.3	55
3.6	091	2.2	5.2	41	082	2.3	5.4	41
4.5	077	2.2	5.8	38	065	2.2	6.1	35
5.8	073	2.0	7.0	28	039	1.8	7.0	26
6.0	068	2.0	7.2	28	037	1.8	7.2	26
7.6	004	0.8	7.8	10	328	2.4	8.7	27
9.5	246	2.5	9.2	28	275	4.3	10.6	40
10.6	227	4.4	10.3	43	262	5.5	11.3	49
12.3	210	5.9	11.6	51	268	5.1	12.3	41
14.1	215	3.9	12.0	32	277	3.9	11.5	34
16.6	306	0.9	8.2	10	010	1.4	7.5	18
18.5					285	1.0	6.3	16
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	346	2.1	2.4	85	330	2.2	2.7	80
0.15	349	3.2	3.7	85	331	3.0	3.8	78
0.3	351	3.1	3.8	82	333	3.0	3.9	76
0.6	358	2.7	3.7	73	339	2.7	3.8	70
0.7	002	2.7	3.7	72	341	2.4	3.6	68
0.9	014	2.0	3.5	56	351	2.0	3.7	54
1.5	079	2.2	4.1	54	038	2.0	4.1	50
2.1	097	4.1	5.6	73	071	3.3	4.8	69
3.1	088	5.0	6.5	77	084	5.7	6.7	85
3.6	087	4.4	6.3	69	087	5.6	6.7	83
4.5	078	3.3	6.2	54	085	4.2	6.1	69
5.8	069	2.6	6.9	37	086	2.7	5.8	47
6.0	065	2.5	7.0	36	082	2.3	5.8	40
7.6	335	1.4	8.4	16	016	0.7	7.2	10
9.5	277	3.5	9.8	36	274	3.0	9.1	33
10.6	268	4.2	10.5	40	255	4.4	9.9	44
12.3	266	4.5	10.5	42	234	6.1	11.5	53
14.1	274	4.3	10.4	41	235	4.2	10.5	40
16.6	248	0.1	7.2	02	034	1.1	8.1	13
18.5	287	2.3	6.4	36				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	308	2.9	3.5	82	267	6.9	7.6	92
0.15	312	3.7	4.4	84	271	8.3	8.9	92
0.3	312	3.9	4.7	84	272	9.0	9.7	93
0.6	311	4.1	4.9	83	274	9.8	10.6	93
0.7	311	4.1	5.1	81	273	9.3	10.2	90
0.9	313	3.7	4.8	78	277	10.4	11.2	93
1.5	332	2.4	4.5	54	281	10.1	11.1	92
2.1	026	1.9	4.8	39	281	8.9	10.1	88
3.1	068	3.3	6.2	54	279	7.0	9.1	77
3.6	074	3.8	6.7	58	278	6.1	8.8	70
4.5	078	3.7	6.5	57	273	5.3	8.4	64
5.8	077	1.9	6.2	31	263	4.9	7.4	66
6.0	076	1.9	6.3	30	261	4.4	7.1	62
7.6	059	1.2	6.6	18	233	0.9	6.1	15
9.5	168	0.5	6.4	07	091	5.2	7.5	70
10.6	166	1.2	7.0	16	087	8.4	10.4	81
12.3	155	3.4	8.9	38	088	14.8	16.2	92
14.1	135	5.1	10.7	47	089	23.7	25.3	94
16.6	095	5.9	8.6	68	093	22.2	23.6	94
18.5	092	6.6	8.1	82				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	271	7.4	7.8	94	278	6.5	7.0	93
0.15	275	9.1	9.5	95	281	8.5	9.0	94
0.3	276	10.1	10.5	96	282	9.2	9.7	95
0.6	279	11.4	11.9	96	283	10.2	10.8	95
0.7	275	13.4	14.3	94	280	10.7	11.3	95
0.9	282	12.3	12.8	96	286	11.2	11.7	95
1.5	286	12.7	13.2	96	291	11.1	11.5	96
2.1	286	11.2	11.7	95	291	9.8	10.4	95
3.1	284	7.9	8.9	89	287	7.4	8.1	91
3.6	285	6.7	7.8	86	286	6.4	7.3	88
4.5	285	4.8	6.6	72	282	4.8	6.2	77
5.8	276	2.7	5.9	45	280	2.6	5.3	49
6.0	271	2.2	5.8	38	282	2.1	5.2	41
7.6	102	2.0	6.3	31	097	2.0	5.4	38
9.5	090	8.7	9.7	90	094	7.6	9.1	83
10.6	091	12.9	14.1	91	094	11.9	12.7	93
12.3	091	21.0	22.2	95	092	19.9	21.3	94
14.1	090	30.6	31.9	96	091	29.7	31.0	96
16.6	092	26.2	26.9	97	091	24.9	25.7	97
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	299	4.1	4.7	86	300	1.7	2.7	61
0.15	301	5.5	6.2	88	308	2.5	4.1	62
0.3	302	5.9	6.6	89	312	2.6	4.4	58
0.6	303	6.2	7.0	88	317	2.3	4.5	51
0.7	295	6.4	7.2	89	296	2.1	4.6	45
0.9	304	6.3	7.2	88	326	1.7	4.5	38
1.5	303	5.9	7.0	85	026	0.9	4.7	18
2.1	300	5.0	6.3	78	069	1.3	5.2	25
3.1	294	3.8	5.7	67	059	1.0	5.3	18
3.6	291	3.6	5.6	63	046	0.6	5.1	12
4.5	288	2.3	5.0	45	091	0.6	4.9	12
5.8	354	0.3	4.5	06	085	1.9	5.2	36
6.0	062	0.4	4.4	09	087	2.0	5.1	38
7.6	099	3.2	5.5	57	082	2.9	5.3	55
9.5	101	7.1	8.3	85	096	3.9	6.5	60
10.6	099	10.3	11.3	91	107	5.5	8.6	64
12.3	099	16.8	17.8	94	108	9.1	11.7	78
14.1	099	23.9	25.0	95	106	11.0	13.8	80
16.6	098	19.0	20.0	95	090	8.1	10.8	76
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AMINI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	343	1.0	2.2	47	013	1.5	2.2	67
0.15	348	1.8	3.6	51	014	2.7	3.7	73
0.3	357	1.9	3.8	49	023	2.8	3.9	73
0.6	018	1.8	4.0	45	042	3.0	4.2	71
0.7	036	2.0	3.9	51	055	3.0	4.2	71
0.9	043	2.0	4.3	47	066	3.3	4.5	72
1.5	072	2.8	4.9	56	088	3.9	5.1	78
2.1	081	2.9	5.1	57	096	3.7	5.1	72
3.1	083	2.1	4.9	42	094	2.9	4.9	60
3.6	088	2.1	5.1	40	093	3.2	5.2	60
4.5	084	2.8	5.4	51	089	3.3	5.9	56
5.8	077	4.0	6.2	65	082	3.2	6.6	49
6.0	075	4.1	6.4	65	083	3.1	6.6	47
7.6	074	3.8	6.6	58	079	1.4	7.4	19
9.5	105	2.2	6.6	33	228	2.6	8.8	30
10.6	142	3.0	7.5	40	224	4.7	10.1	46
12.3	143	5.1	9.8	52	227	6.4	11.7	55
14.1	150	4.0	9.9	40	243	7.0	12.1	58
16.6	097	4.6	8.4	55	041	0.5	7.8	06
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	073	0.2	0.5	33	324	0.4	1.0	37
0.15	087	1.8	4.4	40	012	1.8	4.7	37
0.3								
0.6	091	0.2	0.7	31	307	0.3	0.8	41
0.7	073	1.1	3.2	33	013	1.3	3.4	37
0.9	105	1.7	4.8	36	009	1.5	5.2	28
1.5	183	1.9	5.2	37	241	1.4	5.6	25
2.1	228	3.4	6.1	56	239	4.1	6.8	60
3.1	265	6.2	9.1	68	257	6.8	9.6	71
3.6	273	8.3	10.7	77	267	8.7	11.3	77
4.5	273	11.7	14.0	84	273	12.4	14.8	84
5.8	270	16.9	19.1	88	273	17.5	19.9	88
6.0	270	17.9	20.0	89	273	18.3	20.7	88
7.6	266	24.6	27.0	91	271	25.4	28.5	89
9.5	262	32.0	35.0	91	267	32.1	35.8	90
10.6	259	33.6	36.5	92	263	33.9	38.4	88
12.3	253	33.9	37.2	91	262	35.6	41.0	87
14.1	252	32.9	36.9	89	262	32.0	38.5	83
16.6	249	21.1	29.1	72	265	20.9	31.5	66
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	314	0.8	1.4	57	300	1.5	2.0	75
0.15	353	3.2	5.6	57	326	4.8	6.5	74
0.3								
0.6	338	0.6	1.3	49	307	1.2	1.7	71
0.7	358	2.4	4.1	59	327	3.7	4.9	74
0.9	354	3.3	6.1	54	332	5.3	7.2	74
1.5	320	2.0	6.2	33	331	4.5	7.0	64
2.1	248	3.1	6.5	48	299	2.6	6.4	40
3.1	240	5.8	8.3	71	231	3.4	7.0	48
3.6	247	6.9	9.4	73	227	4.1	7.5	54
4.5	267	9.2	11.5	79	251	5.1	8.5	60
5.8	271	13.9	16.0	87	277	8.5	11.4	74
6.0	270	14.9	17.0	87	278	9.0	12.0	75
7.6	271	21.1	23.8	89	273	14.3	17.5	81
9.5	267	29.0	32.5	89	266	20.9	24.9	84
10.6	265	32.7	36.5	89	262	23.9	28.0	85
12.3	261	35.1	39.5	89	258	25.8	30.0	86
14.1	263	31.8	35.5	89	252	23.8	26.8	88
16.6	268	19.3	26.4	73	254	13.3	19.0	70
18.5					245	3.8	16.1	23
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	284	3.0	3.3	90	271	3.6	4.0	91
0.15	303	6.9	8.0	86	278	7.4	8.3	90
0.3								
0.6	285	2.6	3.0	89	274	3.4	3.7	93
0.7	301	5.9	6.8	87	281	6.3	7.0	90
0.9	310	7.6	8.9	86	281	8.2	9.3	88
1.5	320	6.9	8.7	80	286	7.6	9.6	79
2.1	312	3.8	6.7	57	289	4.5	7.6	59
3.1	254	1.4	6.1	22	289	1.3	6.6	20
3.6	239	1.4	6.4	22	315	0.5	6.5	08
4.5	283	1.3	6.5	20	008	0.5	6.1	09
5.8	313	4.2	8.5	50	337	0.7	6.2	11
6.0	310	4.5	8.8	51	003	0.9	6.3	14
7.6	293	6.5	11.6	56	049	1.7	6.8	25
9.5	270	9.6	14.5	66	076	3.7	8.1	45
10.6	257	11.4	15.8	72	087	5.3	9.9	54
12.3	242	12.5	17.1	73	090	8.3	12.8	65
14.1	230	10.4	16.1	64	094	13.8	16.9	82
16.6	157	2.9	13.2	22	091	20.4	22.4	91
18.5	093	6.7	11.2	60	083	20.0	21.4	93
20.5	079	7.9	10.1	78	079	19.3	20.4	94
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	266	3.2	3.4	94	272	3.2	3.3	96
0.15	270	7.7	8.3	92	276	8.4	8.8	95
0.3								
0.6	266	2.9	3.0	95	273	2.8	2.9	96
0.7	272	6.5	7.0	93	281	7.4	7.7	96
0.9	270	8.9	9.6	93	277	9.6	10.1	95
1.5	270	11.0	11.9	92	276	11.0	11.8	93
2.1	269	10.1	11.4	88	276	9.3	10.6	88
3.1	270	6.5	8.6	76	281	6.4	8.2	78
3.6	273	5.1	7.7	67	290	5.0	7.2	69
4.5	281	4.0	7.4	54	302	3.1	6.2	50
5.8	317	1.5	6.4	23	354	1.8	5.7	32
6.0	341	1.0	6.5	16	012	1.8	5.7	32
7.6	075	3.6	7.2	50	064	4.2	7.2	58
9.5	085	8.7	10.7	81	078	8.4	9.9	85
10.6	085	12.0	13.4	89	082	11.8	12.8	92
12.3	084	18.9	20.3	93	084	18.6	19.5	95
14.1	083	27.6	29.1	95	082	25.1	26.8	94
16.6	084	37.6	39.1	96	081	31.0	32.2	96
18.5	081	30.9	31.8	97	076	27.9	28.8	97
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	278	2.1	2.4	88	359	0.3	0.8	37
0.15	296	5.6	6.9	81	025	2.0	4.7	42
0.3								
0.6	283	1.9	2.2	87	019	0.3	0.9	39
0.7	296	4.9	6.1	81	030	1.7	3.7	45
0.9	302	5.5	7.3	75	036	2.5	5.3	47
1.5	314	3.7	6.7	55	053	3.4	5.9	58
2.1	322	2.1	6.0	36	050	3.7	6.2	60
3.1	334	1.5	5.5	27	039	2.9	6.2	47
3.6	335	1.3	5.3	23	029	2.2	6.1	36
4.5	341	0.9	5.2	16	012	1.8	6.4	28
5.8	020	1.0	5.6	18	340	1.6	6.8	24
6.0	030	1.0	5.9	17	331	1.7	6.9	25
7.6	067	2.8	6.5	43	291	2.8	7.7	36
9.5	085	5.1	7.9	65	251	4.9	9.1	54
10.6	091	6.6	9.2	72	239	6.7	10.4	64
12.3	098	10.3	12.5	82	223	8.2	11.9	69
14.1	096	15.9	17.6	91	206	7.6	11.8	65
16.6	090	20.7	21.6	95	136	4.9	9.3	52
18.5	081	17.7	18.5	95	082	7.6	9.1	84
20.5					077	10.2	11.9	86
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : AURANGABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	080	0.3	0.4	75	094	0.4	0.5	74
0.15	085	3.0	4.4	68	099	3.1	4.5	68
0.3								
0.6	084	0.3	0.4	66	091	0.4	0.6	68
0.7	082	2.0	3.4	60	091	1.9	2.8	68
0.9	087	3.5	4.8	71	105	3.4	5.0	68
1.5	087	3.5	5.2	68	123	2.4	4.9	49
2.1	074	2.3	5.1	45	183	0.9	5.2	18
3.1	011	1.6	5.8	27	274	2.5	6.5	38
3.6	346	1.9	6.3	30	281	3.8	7.7	49
4.5	315	2.8	7.3	38	280	6.0	9.4	63
5.8	294	4.9	9.5	51	273	9.7	12.6	77
6.0	291	5.3	9.9	54	272	10.6	13.4	79
7.6	276	9.4	13.2	71	267	16.0	18.8	85
9.5	262	14.8	18.0	82	262	23.0	26.0	88
10.6	258	18.1	20.9	87	260	26.3	30.0	88
12.3	247	20.2	22.8	89	254	29.5	33.4	88
14.1	243	18.7	21.1	89	256	27.2	30.0	91
16.6	248	8.2	13.8	60	257	15.5	18.6	83
18.5	051	2.7	9.6	28				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	088	2.7	2.9	92	103	1.9	2.4	78
0.15	092	5.6	6.3	89	110	4.1	5.7	72
0.3								
0.6								
0.7								
0.9								
1.5	086	5.4	6.7	81	101	4.0	6.5	62
2.1	075	4.1	5.9	69	066	3.3	5.7	58
3.1	070	2.6	5.5	47	049	2.7	5.7	47
3.6	067	1.8	5.6	33	043	1.8	6.0	29
4.5	029	1.1	6.0	19	001	0.9	6.7	14
5.8	313	1.3	6.9	18	303	2.1	7.5	27
6.0	305	1.4	7.1	20	299	2.2	7.7	29
7.6	286	4.0	9.4	43	286	4.7	10.0	47
9.5	259	7.6	11.6	65	264	7.6	12.2	62
10.6	248	8.9	12.7	70	254	8.2	12.5	65
12.3	237	9.8	14.2	69	247	7.7	13.2	58
14.1	233	7.6	13.6	56	244	6.1	12.9	47
16.6	139	0.6	9.2	06	228	0.7	8.8	08
18.5	085	1.2	7.1	17	354	0.5	7.1	06
20.5	084	2.1	8.1	26	120	0.3	8.2	03
24.0	092	3.6	9.4	38	026	0.7	8.8	08
26.5	087	5.3	11.2	47	071	1.6	11.9	13
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	128	1.1	2.1	51	224	1.1	2.0	53
0.15	144	2.6	5.1	50	223	2.5	4.7	53
0.3								
0.6								
0.7								
0.9								
1.5	127	3.5	6.3	55	207	2.0	5.4	38
2.1	081	4.6	6.8	67	079	3.1	5.6	55
3.1	054	5.8	7.3	80	056	7.1	8.0	88
3.6	057	5.4	7.3	74	055	7.4	8.5	87
4.5	065	3.5	6.8	51	059	5.8	7.7	75
5.8	026	1.2	7.0	17	075	1.8	6.4	28
6.0	003	1.0	7.2	14	077	1.3	6.5	20
7.6	281	3.9	9.0	43	280	1.8	7.9	23
9.5	263	7.7	12.2	63	262	5.5	10.4	53
10.6	257	9.4	13.4	70	250	7.4	11.5	65
12.3	247	10.2	14.3	71	241	8.6	12.4	69
14.1	247	7.8	13.1	59	238	6.5	11.4	57
16.6	245	0.4	8.4	05	113	2.6	8.6	30
18.5	088	0.6	6.5	09	097	3.4	7.6	45
20.5	245	1.1	8.8	12	148	0.2	8.7	03
24.0	048	0.5	10.2	05	087	2.4	9.1	26
26.5	077	2.9	11.9	24	087	5.8	12.8	46
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	2.3	2.9	82	261	4.1	4.4	93
0.15	265	4.9	6.1	80	260	8.1	8.5	95
0.3								
0.6								
0.7								
0.9								
1.5	279	4.6	6.8	67	269	11.8	12.5	94
2.1	350	2.3	5.9	38	277	11.3	12.7	89
3.1	051	5.0	7.3	69	281	7.0	9.7	72
3.6	056	5.9	8.1	73	280	5.6	8.8	64
4.5	057	5.5	8.0	69	272	4.1	7.7	53
5.8	069	2.9	6.6	43	262	3.4	6.6	51
6.0	070	2.6	6.6	39	261	3.1	6.4	48
7.6	067	1.1	6.5	17	337	0.2	5.5	03
9.5	101	0.7	6.4	10	081	4.8	7.1	68
10.6	135	1.3	6.8	18	086	8.6	10.0	86
12.3	132	3.2	8.6	38	085	15.9	16.9	94
14.1	117	7.5	11.7	64	085	24.5	25.5	96
16.6	100	11.5	13.3	87	090	27.5	28.4	97
18.5	093	7.7	9.8	78	091	16.3	17.3	94
20.5	089	5.4	8.6	63	084	14.9	15.9	94
24.0	094	9.5	11.6	82	091	20.6	21.2	97
26.5	094	12.3	14.7	84				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	4.0	4.2	94	268	3.8	4.0	96
0.15	262	8.0	8.3	96	268	7.6	7.9	96
0.3								
0.6								
0.7								
0.9								
1.5	271	12.1	12.5	97	276	11.1	11.5	96
2.1	278	13.0	13.7	95	284	12.0	12.7	95
3.1	282	9.3	10.2	91	287	8.7	9.5	91
3.6	280	7.8	9.1	86	285	7.5	8.4	89
4.5	273	5.9	7.6	78	277	5.8	7.2	80
5.8	259	3.9	6.5	60	264	3.8	6.4	59
6.0	257	3.6	6.3	57	262	3.4	6.2	55
7.6	110	0.6	5.7	11	111	0.9	5.9	15
9.5	087	7.2	8.8	82	093	7.2	8.8	82
10.6	086	12.2	13.1	93	090	12.5	13.3	94
12.3	085	21.8	22.6	97	086	21.6	22.3	97
14.1	083	32.1	32.8	98	083	30.7	31.4	98
16.6	089	32.4	33.1	98	089	29.6	30.3	98
18.5	088	21.6	22.6	96	087	19.5	20.2	96
20.5	086	19.7	20.4	97	087	19.8	20.4	97
24.0	088	25.7	26.2	98	088	24.7	25.4	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	270	2.3	2.7	86	344	0.2	2.2	08
0.15	274	4.9	6.0	82	012	0.6	5.5	10
0.3								
0.6								
0.7								
0.9								
1.5	283	6.0	7.6	79	029	1.5	6.5	23
2.1	291	4.7	7.2	65	031	2.5	6.6	38
3.1	297	3.1	6.1	52	034	2.0	5.9	34
3.6	293	2.9	5.9	49	050	1.4	5.7	25
4.5	280	1.9	5.8	34	082	1.2	5.5	22
5.8	145	0.2	5.7	04	091	1.8	5.5	34
6.0	111	0.4	5.6	07	090	2.0	5.4	36
7.6	092	3.2	6.2	52	092	2.9	5.8	49
9.5	092	7.3	8.4	87	098	4.0	6.7	60
10.6	093	10.3	11.0	93	104	5.2	7.8	66
12.3	090	15.9	16.8	95	107	7.9	11.1	71
14.1	089	23.4	24.3	96	105	11.8	14.9	79
16.6	094	21.5	22.2	97	101	11.1	13.2	84
18.5	090	13.9	14.6	95	092	7.5	9.5	80
20.5	085	15.4	16.0	96	090	8.5	10.0	85
24.0	092	19.9	20.7	96	090	14.6	15.5	94
26.5	089	23.9	24.4	98	090	19.1	19.6	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BANGALURU

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	072	2.0	2.6	78	080	2.8	3.1	92
0.15	069	4.8	6.4	76	080	6.1	6.7	91
0.3								
0.6								
0.7								
0.9								
1.5	068	5.2	7.3	71	082	6.6	7.5	87
2.1	067	4.2	6.7	63	084	5.2	6.7	78
3.1	077	3.3	6.0	55	087	3.9	6.0	65
3.6	081	3.3	5.9	56	085	3.6	6.0	60
4.5	081	3.6	6.4	56	081	3.2	6.1	52
5.8	076	4.0	7.1	56	073	2.6	6.8	37
6.0	073	3.8	7.1	54	071	2.3	7.0	33
7.6	073	3.0	7.2	42	336	0.9	7.9	11
9.5	143	1.5	6.7	22	253	4.4	10.1	44
10.6	170	3.5	7.8	45	234	6.4	11.8	54
12.3	163	6.3	10.5	60	225	8.7	14.1	62
14.1	162	5.3	10.5	50	233	8.4	14.0	60
16.6	103	4.2	8.3	51	194	0.9	9.1	09
18.5	088	4.8	7.4	66	096	3.1	7.7	40
20.5	090	4.6	8.0	58	085	2.0	7.6	26
24.0	091	8.1	12.7	64	098	4.5	11.4	40
26.5	093	9.9	17.0	58	087	4.6	14.2	32
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	075	1.4	2.3	59	057	1.0	2.5	41
0.15	084	2.9	5.5	52	063	2.2	6.1	35
0.3								
0.6	080	1.9	3.5	55	060	1.5	4.0	38
0.7	084	2.1	5.2	40	055	1.7	6.0	29
0.9	083	1.6	5.2	31	042	1.4	6.2	22
1.5	273	3.0	5.4	56	282	3.2	6.0	53
2.1	272	6.0	7.6	79	269	6.3	8.0	79
3.1	273	9.6	11.1	86	269	10.1	11.8	85
3.6	275	11.6	13.0	89	271	12.1	13.8	87
4.5	276	15.3	16.7	92	274	15.6	17.1	91
5.8	275	20.7	22.1	94	275	21.4	22.9	93
6.0	275	21.6	23.0	94	275	22.4	23.9	93
7.6	274	28.4	30.2	94	275	29.1	31.0	94
9.5	271	36.0	38.0	95	274	35.4	37.5	94
10.6	269	38.0	40.1	95	274	38.6	41.1	94
12.3	268	37.6	39.8	94	272	37.4	39.8	94
14.1	264	33.8	35.4	95	271	34.1	35.9	95
16.6	268	22.0	23.2	95	271	20.9	23.0	91
18.5					274	12.2	14.3	85
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	018	0.6	2.9	20	304	1.6	3.3	48
0.15	022	1.4	6.4	22	311	3.7	7.5	49
0.3								
0.6	020	1.0	4.3	22	309	2.5	5.2	48
0.7	016	1.6	6.4	25	315	3.5	7.7	45
0.9	355	1.8	6.7	26	317	4.7	8.2	58
1.5	298	4.0	6.5	61	314	5.0	7.2	69
2.1	278	6.4	7.8	83	291	5.2	6.8	76
3.1	268	9.7	11.0	87	263	7.1	8.6	83
3.6	269	11.0	12.5	88	259	8.3	9.8	85
4.5	272	13.4	14.7	91	264	10.0	11.4	87
5.8	276	17.2	18.5	93	277	12.5	14.1	89
6.0	275	17.8	19.2	93	277	12.9	14.5	89
7.6	274	22.5	24.1	93	277	17.1	19.0	90
9.5	272	28.3	30.6	92	273	22.4	25.1	89
10.6	271	31.2	34.0	92	270	25.4	28.5	89
12.3	271	34.2	37.0	92	266	28.1	31.2	90
14.1	272	32.3	34.1	95	262	24.8	26.8	92
16.6	273	23.0	24.6	94	261	13.5	15.6	87
18.5					264	3.1	7.4	42
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	284	3.1	4.1	75	266	3.5	4.3	80
0.15	290	6.6	8.7	76	270	7.2	8.8	82
0.3								
0.6	288	4.6	6.1	76	268	5.1	6.2	81
0.7	291	6.8	9.0	76	271	7.7	9.3	83
0.9	300	7.6	9.8	78	278	8.4	10.2	82
1.5	312	7.0	8.7	81	297	7.5	9.4	80
2.1	310	5.0	6.8	74	310	4.5	6.9	66
3.1	290	3.6	6.2	58	352	2.4	5.8	41
3.6	284	3.7	6.5	57	001	2.4	6.2	39
4.5	283	4.7	7.6	63	355	2.0	6.3	32
5.8	294	7.4	9.7	76	330	1.9	6.4	30
6.0	295	7.8	10.2	76	333	1.9	6.5	29
7.6	287	10.4	12.7	82	314	1.7	7.0	24
9.5	275	13.6	16.2	84	274	1.1	7.2	15
10.6	269	14.7	17.4	84	216	0.8	7.8	10
12.3	260	15.5	18.0	86	146	2.0	8.8	23
14.1	253	13.2	16.0	83	114	4.8	10.4	46
16.6	231	4.1	10.4	39	093	11.3	13.7	82
18.5	104	2.7	8.2	33	085	14.3	15.0	95
20.5	079	6.3	9.1	69	087	14.2	14.8	96
24.0	081	7.7	10.8	71	088	16.6	17.2	96
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	259	4.2	4.9	85	272	3.8	4.6	83
0.15	262	7.9	9.1	87	274	7.1	8.5	82
0.3								
0.6	260	5.7	6.6	87	272	5.0	6.1	82
0.7	262	8.1	9.0	89	272	7.4	8.7	85
0.9	269	9.3	10.4	90	280	7.9	9.6	83
1.5	282	8.6	10.1	85	294	6.9	9.2	75
2.1	287	5.2	7.5	69	303	4.3	7.3	59
3.1	303	1.9	5.7	33	340	2.0	5.8	34
3.6	331	1.5	5.6	27	004	1.8	5.5	33
4.5	012	1.3	5.4	24	028	1.7	5.6	30
5.8	067	1.5	5.6	27	066	2.4	5.9	41
6.0	072	1.7	5.7	31	071	2.6	5.9	44
7.6	088	3.4	6.1	56	085	4.0	6.4	63
9.5	086	6.6	7.7	85	089	6.7	7.9	85
10.6	090	8.8	9.6	91	090	8.3	9.2	90
12.3	090	12.4	13.3	93	090	12.0	12.7	94
14.1	085	16.9	17.9	94	085	15.6	16.6	94
16.6	083	22.3	23.5	95	085	21.6	22.2	97
18.5	082	22.2	22.7	98	080	19.3	19.7	98
20.5	085	17.9	18.6	96	084	18.6	18.9	98
24.0					087	22.1	22.4	99
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	282	2.5	3.5	72	040	0.4	1.7	24
0.15	287	5.2	7.2	72	055	1.0	5.0	20
0.3								
0.6	286	3.8	5.2	73	063	0.7	3.0	24
0.7	292	4.9	6.9	71	083	1.5	4.9	31
0.9	298	5.4	7.6	70	049	1.4	5.2	28
1.5	318	4.2	6.9	60	022	2.5	5.3	46
2.1	340	3.0	6.0	49	006	3.0	5.5	54
3.1	002	2.5	5.5	44	351	2.7	6.0	46
3.6	360	2.1	5.4	38	337	2.5	5.9	42
4.5	339	0.8	5.0	16	305	2.8	6.3	45
5.8	285	0.5	5.3	09	285	4.9	7.8	62
6.0	295	0.3	5.4	06	284	5.3	8.2	64
7.6	087	0.3	5.5	05	274	8.5	11.1	77
9.5	120	1.2	6.2	20	262	12.2	14.0	87
10.6	133	2.1	7.1	30	258	13.7	15.3	90
12.3	124	3.9	8.9	43	253	15.0	16.6	90
14.1	111	5.9	10.1	58	251	13.6	15.5	87
16.6	092	9.7	11.5	84	249	5.2	8.4	62
18.5	078	10.3	10.8	95	062	0.4	6.2	06
20.5	084	11.7	12.1	97	085	3.8	6.7	57
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHOPAL

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	077	1.1	1.6	68	078	1.1	1.8	64
0.15	084	3.1	4.9	63	092	2.9	4.7	63
0.3								
0.6	082	1.9	3.0	63	087	1.9	3.0	65
0.7	089	3.2	5.0	64	087	2.7	4.4	61
0.9	080	3.0	4.9	61	088	2.2	4.6	48
1.5	036	1.7	4.6	37	306	1.0	4.5	22
2.1	332	2.1	4.9	43	290	2.9	5.6	52
3.1	310	3.7	6.2	59	285	5.8	8.0	73
3.6	303	4.5	6.9	65	281	7.4	9.2	80
4.5	292	6.3	8.5	73	279	10.5	12.1	86
5.8	281	10.0	12.0	83	275	14.9	16.4	91
6.0	281	10.6	12.6	84	274	15.7	17.2	91
7.6	275	16.1	17.9	90	271	21.1	22.6	93
9.5	268	22.1	24.0	92	267	27.4	29.2	93
10.6	264	24.9	26.8	93	262	30.6	32.7	94
12.3	258	27.2	28.9	94	258	33.8	36.0	94
14.1	257	23.7	24.8	95	257	32.3	33.9	95
16.6	265	13.4	14.7	91	264	19.2	20.5	93
18.5	267	4.2	8.1	52				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	031	0.5	1.6	34	223	0.5	2.1	22
0.15	044	0.7	4.0	17	221	1.7	4.7	37
0.3	045	0.7	4.0	16	222	1.9	4.9	39
0.6	019	0.6	4.3	14	233	2.2	5.1	44
0.7	004	1.2	4.0	30	241	2.0	4.9	42
0.9	346	1.2	4.5	27	258	2.1	5.1	40
1.5	327	3.2	5.4	59	295	3.0	5.7	53
2.1	315	4.8	6.6	72	300	5.0	7.1	71
3.1	298	7.4	8.9	83	293	7.8	9.5	83
3.6	290	8.8	10.4	85	289	9.2	10.6	87
4.5	280	11.5	12.9	89	283	12.0	13.4	89
5.8	276	15.7	17.2	91	276	16.2	17.7	91
6.0	275	16.6	18.0	92	276	16.9	18.5	91
7.6	272	21.5	23.1	93	273	22.0	24.0	92
9.5	269	26.7	28.4	94	269	27.9	30.2	92
10.6	265	29.3	31.1	94	265	30.1	32.4	93
12.3	260	29.7	31.6	94	262	30.3	32.7	92
14.1	259	26.9	28.6	94	260	28.0	30.3	92
16.6	262	18.0	19.7	91	264	19.3	21.1	91
18.5	268	10.4	12.9	80	271	12.1	14.0	86
20.5	285	5.5	9.0	61	276	6.8	10.1	67
24.0	004	1.5	8.6	18	344	2.0	8.1	25
26.5	301	0.4	8.6	04	269	1.2	8.6	14
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	211	2.1	2.9	71	205	3.9	4.5	88
0.15	222	4.2	5.7	73	213	6.4	7.4	86
0.3	225	4.3	5.9	73	216	6.5	7.6	85
0.6	236	4.4	6.2	70	231	6.3	7.7	82
0.7	238	3.6	5.6	64	233	5.5	6.8	81
0.9	247	4.1	6.2	66	242	6.0	7.6	79
1.5	278	3.8	5.8	66	264	4.9	6.5	75
2.1	298	4.6	6.2	74	289	4.6	6.1	75
3.1	303	7.1	8.6	83	306	5.6	7.1	79
3.6	301	8.0	9.5	84	309	6.4	7.9	80
4.5	296	9.3	10.8	86	306	7.3	9.0	80
5.8	282	12.2	13.8	88	291	8.8	10.6	83
6.0	282	12.8	14.5	88	288	9.1	10.9	83
7.6	275	16.9	18.8	90	277	12.8	14.8	87
9.5	271	22.9	25.0	91	271	17.8	19.9	89
10.6	266	25.8	28.1	92	267	20.8	23.2	90
12.3	262	27.5	29.7	92	262	22.5	24.8	91
14.1	260	25.3	27.1	93	260	20.8	22.6	92
16.6	264	16.7	18.3	91	264	10.9	13.7	79
18.5	270	9.8	12.2	80	274	4.1	8.4	48
20.5	280	5.3	9.0	60	342	1.5	6.7	22
24.0	334	1.5	7.3	20	078	2.9	6.3	46
26.5	073	2.4	7.1	34	084	4.3	7.2	59
31.0					099	4.1	8.3	49
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	200	4.0	4.7	85	217	2.8	3.8	72
0.15	209	6.4	7.6	84	228	5.2	7.1	73
0.3	212	6.5	7.7	84	231	5.3	7.4	72
0.6	223	6.6	8.2	81	245	5.8	8.4	70
0.7	231	6.0	7.7	78	240	6.4	8.8	73
0.9	232	6.1	8.0	76	258	6.0	8.8	68
1.5	258	4.3	6.8	64	276	5.9	8.7	67
2.1	297	3.9	6.3	62	287	5.0	7.9	63
3.1	325	5.5	7.4	74	304	4.2	7.7	54
3.6	329	6.1	7.9	78	312	3.8	7.7	49
4.5	328	6.6	8.3	79	320	3.1	7.5	41
5.8	316	5.7	7.9	72	322	1.6	6.8	23
6.0	312	5.6	8.0	69	329	1.2	6.7	18
7.6	285	6.1	9.2	66	093	1.2	6.5	18
9.5	264	8.0	11.2	72	104	4.0	7.3	55
10.6	257	9.0	12.0	75	103	6.0	8.6	70
12.3	244	9.3	12.7	73	095	9.4	11.4	83
14.1	232	7.4	11.8	62	090	13.6	15.3	89
16.6	160	2.9	9.3	31	087	18.5	19.6	94
18.5	094	6.6	8.8	75	088	18.3	19.0	96
20.5	083	7.9	9.0	88	085	16.6	17.1	97
24.0	087	11.1	12.2	91	091	17.4	18.0	97
26.5	094	12.5	13.5	92	092	19.0	19.4	98
31.0	090	13.2	13.8	95	092	20.2	20.6	98
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	229	2.4	3.3	74	235	1.8	3.1	60
0.15	238	5.0	6.6	76	245	3.9	6.2	62
0.3	241	5.2	6.9	75	248	4.1	6.6	62
0.6	255	6.0	8.1	74	263	4.8	7.9	60
0.7	258	6.2	8.1	76	265	4.5	7.5	60
0.9	266	6.5	8.8	74	274	5.2	8.6	61
1.5	278	6.4	8.7	73	284	5.0	8.5	59
2.1	279	5.6	8.0	70	280	4.3	7.8	55
3.1	273	4.8	7.5	64	272	3.3	7.3	45
3.6	272	4.1	7.1	57	265	3.0	7.0	42
4.5	270	2.5	6.4	38	252	1.7	6.7	25
5.8	193	0.4	6.0	07	138	1.0	6.4	16
6.0	148	0.6	6.1	10	127	1.4	6.5	22
7.6	106	3.5	6.7	52	108	4.2	7.4	57
9.5	097	8.1	9.5	85	101	8.0	9.6	84
10.6	094	11.6	12.5	92	095	11.0	11.9	92
12.3	087	16.9	17.8	95	088	15.4	16.2	95
14.1	082	22.1	23.0	96	081	20.5	21.5	95
16.6	084	27.6	28.5	97	083	24.5	25.3	97
18.5	087	24.4	24.8	98	086	22.5	22.9	98
20.5	085	21.5	21.9	98	086	20.0	20.5	98
24.0	090	22.4	22.8	98	090	21.5	21.8	98
26.5	092	23.0	23.7	97	092	23.2	23.4	99
31.0	091	24.9	25.2	99				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	238	1.2	2.5	49	350	0.6	1.9	33
0.15	241	2.7	5.4	50	339	1.1	4.4	25
0.3	243	2.8	5.6	50	348	1.0	4.5	23
0.6	257	2.9	6.4	45	032	1.2	5.0	23
0.7	255	3.0	5.8	52	054	1.7	5.0	33
0.9	262	2.8	6.7	41	047	1.6	5.4	30
1.5	281	2.0	6.3	31	052	2.2	5.6	39
2.1	290	1.4	6.0	22	058	2.0	5.6	36
3.1	264	1.1	5.7	19	056	0.7	5.4	12
3.6	246	1.1	5.8	19	314	0.1	5.4	02
4.5	207	1.0	5.7	17	234	1.0	5.4	18
5.8	148	1.5	5.8	27	238	1.6	5.9	27
6.0	138	1.7	5.8	30	237	1.7	6.0	28
7.6	116	3.1	6.2	50	235	2.5	6.8	36
9.5	104	5.2	7.1	73	235	3.9	8.3	47
10.6	101	6.8	8.4	80	235	4.6	9.3	49
12.3	094	9.8	11.3	86	226	5.1	10.6	48
14.1	089	12.8	14.2	90	206	4.4	11.3	38
16.6	091	15.9	16.8	95	132	3.7	9.0	42
18.5	088	14.1	14.6	97	094	5.5	7.8	71
20.5	086	14.9	15.2	98	086	7.9	9.0	87
24.0	090	17.1	17.4	98	090	12.0	12.6	96
26.5	093	19.5	19.8	99	091	13.4	14.0	96
31.0	090	20.6	21.2	97	089	10.4	12.8	81
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : BHUBANESHWAR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	014	1.4	2.0	69	021	1.1	1.6	68
0.15	019	2.8	4.6	61	026	2.3	3.9	58
0.3	024	3.0	4.8	62	030	2.4	4.1	59
0.6	042	3.7	5.4	68	041	2.9	4.6	62
0.7	045	3.6	5.1	72	036	3.0	4.3	70
0.9	045	4.2	5.8	72	032	3.1	4.8	64
1.5	042	3.7	5.6	65	007	3.0	5.0	61
2.1	028	2.4	5.3	44	334	3.3	5.5	60
3.1	314	1.8	5.4	33	303	4.7	6.8	69
3.6	293	2.6	5.8	44	293	5.8	7.7	76
4.5	283	3.9	6.7	58	284	7.9	9.5	83
5.8	277	5.9	8.5	70	278	11.3	12.8	87
6.0	276	6.5	8.9	73	277	11.9	13.5	88
7.6	272	10.0	12.1	82	273	16.2	17.9	90
9.5	263	14.2	16.1	88	268	21.4	23.1	93
10.6	258	16.5	18.4	89	264	24.4	26.2	93
12.3	251	17.8	20.2	88	257	26.2	28.5	92
14.1	249	16.9	19.2	88	254	24.5	26.4	93
16.6	256	7.9	10.9	73	262	14.7	16.7	88
18.5	302	1.5	7.0	22	270	6.2	10.2	60
20.5	035	0.7	6.3	12	295	2.9	7.4	38
24.0	092	4.9	7.9	61	074	2.2	7.4	30
26.5	093	6.4	9.3	69	086	2.4	8.2	29
31.0	063	1.8	9.1	20	276	1.9	9.5	20
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	026	2.6	3.2	80	064	0.8	2.3	34
0.15	033	4.1	4.9	82	073	1.3	3.8	34
0.3	043	4.3	5.1	83	094	1.7	4.2	41
0.6	060	4.7	5.5	85	114	2.9	4.9	59
0.7	059	4.9	5.7	86	104	3.0	4.9	61
0.9	065	5.2	6.0	87	107	3.5	5.4	65
1.5	064	5.5	6.6	83	078	4.1	6.1	67
2.1	063	4.9	6.6	74	056	4.2	6.4	65
3.1	063	2.7	5.4	50	037	2.7	5.7	47
3.6	061	1.9	5.3	36	030	1.7	5.5	32
4.5	043	1.2	5.6	21	353	1.0	6.1	16
5.8	333	1.0	6.6	15	304	2.0	7.2	27
6.0	319	1.1	6.9	16	297	2.1	7.3	29
7.6	284	3.4	9.0	38	285	4.3	9.5	45
9.5	259	6.8	11.0	61	265	7.5	11.8	64
10.6	248	8.5	12.3	69	255	8.5	12.2	69
12.3	237	9.9	14.4	69	245	8.6	13.1	65
14.1	235	8.7	14.0	62	243	7.0	13.4	52
16.6	237	2.6	9.7	26	267	2.6	9.5	27
18.5	113	0.1	7.1	01	273	2.3	6.7	35
20.5	174	0.2	6.9	02	271	2.7	7.0	39
24.0	094	3.7	10.6	35	082	3.3	10.7	31
26.5	087	7.8	14.0	56	082	8.4	12.5	67
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	179	1.3	2.2	58	191	2.6	3.1	82
0.15	182	2.1	3.7	57	192	4.0	4.8	82
0.3	177	2.8	4.2	66	193	4.9	5.7	87
0.6	169	4.0	5.2	77	194	6.2	7.0	89
0.7	156	3.7	5.1	72	188	5.1	6.3	81
0.9	156	4.2	5.6	75	190	5.7	6.7	84
1.5	108	4.1	5.9	70	153	3.0	4.8	62
2.1	073	5.4	6.9	79	082	3.8	5.4	70
3.1	050	5.5	7.2	76	053	6.3	7.4	84
3.6	045	4.7	6.8	69	046	6.5	7.7	84
4.5	049	3.1	5.9	53	043	5.3	6.9	76
5.8	037	1.6	6.6	24	058	2.6	6.2	41
6.0	024	1.4	6.9	20	061	2.1	6.4	33
7.6	282	3.1	8.7	36	275	1.2	7.6	15
9.5	260	7.6	11.4	67	255	5.1	9.6	53
10.6	253	9.3	12.8	72	247	6.9	10.7	64
12.3	245	10.5	14.4	73	235	8.6	12.2	70
14.1	248	9.1	14.0	65	233	7.3	11.7	62
16.6	249	2.5	8.9	28	145	0.9	8.1	11
18.5	314	0.3	6.7	04	096	2.5	6.7	37
20.5	269	1.3	7.5	17	110	1.0	7.0	14
24.0	080	2.1	10.5	20	089	6.8	11.6	58
26.5	082	6.9	13.1	53	091	10.7	15.0	71
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	223	3.2	4.4	72	255	4.7	5.4	87
0.15	224	4.9	6.5	75	256	7.1	7.9	89
0.3	229	5.8	7.6	76	259	8.5	9.3	91
0.6	238	6.9	9.4	74	267	11.0	11.7	93
0.7	241	6.5	8.8	74	264	10.4	11.2	93
0.9	244	6.1	8.9	69	273	11.7	12.5	93
1.5	266	2.4	5.7	41	280	10.7	11.6	92
2.1	008	2.4	5.3	45	282	8.2	9.5	87
3.1	038	5.1	7.1	72	280	5.9	8.2	72
3.6	041	5.6	7.6	73	277	5.5	8.2	67
4.5	039	5.5	7.9	69	272	5.1	8.3	62
5.8	047	2.8	6.7	42	266	4.4	7.4	59
6.0	049	2.5	6.6	38	266	4.0	7.1	56
7.6	048	1.0	6.4	16	278	0.7	5.8	12
9.5	116	0.6	6.2	10	080	4.3	6.8	63
10.6	134	1.1	6.7	17	085	8.1	9.6	84
12.3	132	3.4	8.5	40	083	15.2	16.2	94
14.1	116	6.9	11.1	63	081	23.6	24.4	96
16.6	095	11.6	13.1	88	086	27.7	28.3	97
18.5	093	9.5	10.7	88	088	18.9	19.5	97
20.5	088	6.9	9.0	76	085	14.0	14.8	95
24.0	090	14.5	15.4	94	089	18.7	19.2	98
26.5	088	19.4	20.4	95	089	22.2	22.7	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	257	4.3	5.0	87	258	4.3	4.9	89
0.15	258	6.5	7.3	89	258	6.8	7.5	91
0.3	261	7.9	8.6	91	262	8.1	8.8	92
0.6	268	10.2	10.9	94	270	10.2	10.8	94
0.7	266	11.0	11.6	94	267	9.5	10.3	92
0.9	274	11.1	11.8	94	277	10.9	11.5	94
1.5	283	11.2	11.9	94	286	10.7	11.4	94
2.1	283	9.4	10.1	93	286	9.1	9.9	92
3.1	277	7.8	8.7	89	280	7.6	8.5	90
3.6	273	7.7	8.8	88	276	7.4	8.5	88
4.5	267	7.0	8.5	83	271	6.8	8.3	82
5.8	261	5.0	7.6	66	264	4.6	7.3	63
6.0	259	4.5	7.4	61	263	4.1	7.0	58
7.6	173	0.5	6.3	08	174	0.5	6.1	08
9.5	086	6.5	8.5	77	090	6.0	8.3	72
10.6	085	11.4	12.4	92	088	10.8	11.9	91
12.3	081	20.3	21.0	97	082	19.1	19.7	97
14.1	078	29.5	30.1	98	081	27.8	28.4	98
16.6	084	33.2	33.7	98	084	30.3	30.8	98
18.5	086	22.9	23.3	98	089	20.9	21.4	98
20.5	085	18.5	18.9	98	085	18.0	18.4	97
24.0	087	22.7	23.0	98	087	21.0	21.3	98
26.5	089	26.9	27.3	98	088	25.9	26.3	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	249	3.0	3.9	77	300	1.2	3.2	38
0.15	250	4.6	5.8	79	301	1.9	4.9	39
0.3	252	5.4	6.6	81	300	1.6	5.3	30
0.6	258	6.4	7.9	80	304	0.9	5.8	16
0.7	257	6.5	8.0	82	304	1.3	5.7	23
0.9	265	6.0	7.8	76	351	0.9	6.0	14
1.5	284	4.7	6.7	70	019	2.1	6.2	33
2.1	298	3.9	6.1	63	019	2.6	6.3	41
3.1	296	3.3	6.0	54	024	1.9	6.0	31
3.6	289	3.0	5.9	50	037	1.4	5.7	24
4.5	276	2.2	5.9	37	077	1.3	5.6	23
5.8	236	0.2	5.8	04	092	2.3	5.7	40
6.0	115	0.2	5.8	04	092	2.4	5.7	42
7.6	090	3.2	6.1	52	094	3.4	6.1	55
9.5	092	6.9	8.2	84	099	4.4	6.6	67
10.6	093	10.1	10.9	93	101	5.6	7.7	73
12.3	089	15.4	16.2	95	103	8.1	10.4	78
14.1	085	22.0	22.7	97	100	11.6	13.9	83
16.6	088	23.4	23.9	98	097	12.1	13.4	90
18.5	090	16.2	16.7	97	091	8.4	9.7	87
20.5	084	14.3	14.8	96	087	9.5	10.5	90
24.0	088	18.0	18.3	98	089	14.9	15.8	94
26.5	089	21.9	22.4	98	089	18.1	19.0	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : CHENNAI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	013	3.0	4.3	69	021	3.9	4.6	86
0.15	016	4.5	6.4	70	025	6.0	6.8	88
0.3	023	4.8	6.8	70	032	6.3	7.1	89
0.6	038	5.3	7.5	70	045	6.9	7.8	89
0.7	048	5.3	7.2	74	045	6.8	7.6	90
0.9	046	5.6	7.9	70	052	7.1	8.0	89
1.5	052	5.5	7.8	70	061	6.4	7.5	85
2.1	057	4.5	7.2	63	069	5.5	7.0	79
3.1	072	3.4	6.3	54	076	4.2	6.3	67
3.6	078	3.2	6.2	51	078	3.7	5.9	62
4.5	082	3.4	6.4	53	077	3.4	6.1	56
5.8	080	4.0	7.1	57	075	3.0	6.7	44
6.0	080	4.0	7.1	56	074	2.8	6.8	41
7.6	081	3.4	7.3	47	360	0.7	7.5	09
9.5	117	1.8	6.7	27	252	3.8	9.4	41
10.6	151	3.1	7.5	42	230	5.9	10.9	54
12.3	155	5.8	9.8	60	219	8.5	13.4	64
14.1	148	5.7	10.5	55	225	8.2	13.3	61
16.6	103	4.9	8.3	58	222	1.5	8.5	18
18.5	091	4.9	7.2	67	089	2.8	7.0	40
20.5	088	5.4	8.3	65	088	2.0	6.6	31
24.0	091	10.6	13.7	77	089	7.7	12.0	64
26.5	091	11.9	15.8	75	080	7.4	14.9	50
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	057	2.4	3.4	70	020	2.4	3.4	69
0.15	058	3.5	5.2	68	018	3.6	5.2	69
0.3	059	3.6	5.3	68	016	3.7	5.4	68
0.6	064	3.3	5.7	58	005	3.6	5.8	62
0.7	070	3.3	5.7	57	001	3.3	5.8	58
0.9	077	3.1	5.9	52	359	2.9	6.1	48
1.5	106	3.0	5.5	55	093	0.6	5.9	10
2.1	121	2.8	5.3	52	137	2.5	5.7	43
3.1	270	0.2	5.6	04	161	1.1	5.7	19
3.6	299	1.7	6.3	28	274	1.3	6.2	21
4.5	293	3.3	7.4	45	290	4.3	7.9	55
5.8	285	5.5	8.9	61	286	6.6	9.9	66
6.0	282	5.9	9.3	63	285	7.1	10.3	69
7.6	278	9.6	12.7	76	280	10.3	13.6	76
9.5	268	14.0	16.5	84	272	14.5	17.2	84
10.6	261	15.3	17.7	86	265	15.5	18.2	85
12.3	257	15.7	18.7	84	262	15.4	18.5	83
14.1	255	13.3	16.5	80	259	12.4	16.2	77
16.6	262	6.0	10.8	56	269	4.8	10.0	48
18.5	256	1.6	7.1	22	275	2.2	7.5	30
20.5	123	0.5	7.3	06	268	1.2	6.7	18
24.0	088	2.9	9.6	30	087	3.7	9.0	41
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	007	1.6	2.6	63	350	1.6	2.5	63
0.15	011	2.3	4.6	49	354	2.3	4.5	53
0.3	008	2.4	4.8	51	352	2.5	4.6	54
0.6	354	3.2	5.4	60	339	3.1	4.9	63
0.7	346	3.7	5.3	70	340	3.7	5.1	74
0.9	348	3.8	6.0	63	338	3.7	5.5	67
1.5	348	2.6	6.3	41	339	4.2	6.5	64
2.1	100	1.6	5.7	28	005	2.1	5.8	37
3.1	117	3.4	5.9	57	101	3.3	5.6	59
3.6	111	2.5	5.8	43	101	4.0	5.9	68
4.5	344	0.8	6.1	13	086	3.0	6.0	50
5.8	294	4.0	8.1	49	328	1.5	6.7	23
6.0	291	4.3	8.4	51	317	2.0	7.0	28
7.6	282	8.1	11.5	70	283	5.4	9.9	54
9.5	271	13.2	16.2	82	269	9.8	13.7	72
10.6	266	15.1	18.0	84	264	11.8	15.4	76
12.3	262	15.3	18.3	84	254	13.3	16.4	81
14.1	262	12.9	16.0	81	252	10.8	14.0	77
16.6	263	5.1	9.5	54	238	1.9	9.1	21
18.5	242	0.4	6.7	06	100	2.4	7.2	33
20.5	240	0.8	7.2	11	109	0.9	6.8	13
24.0	084	4.3	8.4	51	086	6.5	9.4	69
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	321	1.9	3.0	64	261	3.3	4.9	68
0.15	325	3.2	4.9	64	267	4.6	7.0	65
0.3	324	3.4	5.1	66	268	4.9	7.2	68
0.6	317	4.0	5.6	71	269	6.5	8.3	78
0.7	311	3.9	5.4	72	272	6.4	7.9	81
0.9	314	4.5	6.1	73	272	7.7	9.3	83
1.5	316	4.7	6.9	68	274	8.1	9.7	84
2.1	334	3.0	6.6	45	272	7.1	9.2	77
3.1	077	2.5	6.1	40	272	5.0	8.8	57
3.6	089	3.4	6.3	54	273	4.0	8.7	46
4.5	086	3.9	6.7	59	270	2.7	8.0	34
5.8	051	2.8	6.8	41	260	1.5	6.5	23
6.0	044	2.7	7.0	39	252	1.1	6.4	17
7.6	004	2.2	7.9	27	092	1.1	5.5	20
9.5	280	1.9	7.9	24	092	5.1	7.0	72
10.6	245	2.5	8.2	30	092	7.6	9.2	83
12.3	207	3.5	9.4	37	092	13.3	14.8	90
14.1	160	4.8	10.8	44	095	20.5	21.8	94
16.6	105	9.1	12.0	76	094	25.7	26.4	97
18.5	097	8.7	10.5	82	093	17.2	18.0	95
20.5	090	7.4	9.0	82	087	14.8	15.5	95
24.0	091	11.9	12.6	95				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	269	5.3	5.9	90	275	4.8	5.2	92
0.15	270	7.5	8.5	88	279	7.0	7.8	90
0.3	271	8.0	8.9	90	279	7.4	8.2	90
0.6	272	9.6	10.2	94	279	9.1	9.8	93
0.7	272	10.2	10.9	94	280	9.3	10.0	93
0.9	273	10.7	11.3	95	281	10.1	10.7	95
1.5	275	11.1	11.5	96	280	10.2	10.6	96
2.1	275	10.3	10.8	95	280	9.6	10.2	95
3.1	276	9.1	10.1	90	280	8.5	9.5	90
3.6	278	8.1	9.4	85	283	7.8	8.8	88
4.5	283	6.0	8.2	74	286	5.7	7.2	79
5.8	284	3.0	6.3	48	289	3.0	5.7	52
6.0	286	2.4	6.1	40	290	2.5	5.6	46
7.6	074	1.9	5.7	33	059	1.6	5.3	31
9.5	091	7.7	9.1	85	090	7.3	8.5	85
10.6	091	12.0	12.9	93	092	11.8	12.6	94
12.3	091	20.9	21.6	97	091	20.4	20.9	98
14.1	087	30.7	31.2	98	089	30.3	30.7	99
16.6	090	33.8	34.5	98	092	29.6	30.0	98
18.5	088	22.1	22.8	97	088	19.5	19.9	98
20.5	086	19.8	20.2	98	087	19.1	19.5	98
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	301	1.4	2.4	55	039	1.0	2.2	44
0.15	310	2.7	4.9	55	039	1.7	4.4	39
0.3	309	3.1	5.3	59	039	1.8	4.6	39
0.6	303	4.4	6.3	69	032	1.7	5.2	33
0.7	301	5.1	6.7	76	033	1.2	5.2	23
0.9	300	5.1	7.0	73	041	1.8	5.7	31
1.5	294	5.1	7.2	70	064	2.4	6.2	39
2.1	286	3.8	6.7	56	077	3.1	6.2	50
3.1	286	2.2	6.1	36	078	3.0	5.9	51
3.6	285	2.1	5.8	35	075	2.6	5.5	46
4.5	284	1.8	5.3	33	071	1.7	5.3	32
5.8	329	0.8	4.8	17	066	1.9	5.3	36
6.0	345	0.8	4.8	16	068	2.0	5.4	37
7.6	075	2.5	5.2	48	071	2.1	5.5	38
9.5	093	6.9	7.8	88	105	2.0	6.3	31
10.6	095	9.8	10.5	93	128	2.9	7.3	39
12.3	097	15.2	15.9	95	132	5.9	10.2	58
14.1	096	22.1	22.9	96	127	8.8	12.7	69
16.6	094	20.6	21.2	97	102	9.2	10.9	85
18.5	089	13.7	14.4	95	092	7.0	8.4	84
20.5	084	14.6	15.1	97	085	9.3	10.3	90
24.0	092	18.9	19.2	98	093	13.4	14.0	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GOA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	075	2.9	3.6	79	079	3.6	4.2	85
0.15	076	4.2	5.4	77	081	5.2	6.1	86
0.3	077	4.3	5.6	78	083	5.4	6.3	86
0.6	085	4.9	6.3	77	090	5.8	6.9	84
0.7	083	5.2	6.4	81	092	6.0	7.0	86
0.9	090	5.3	6.8	78	094	6.0	7.3	82
1.5	092	5.2	6.6	79	101	4.5	6.0	75
2.1	091	4.2	5.9	71	106	3.3	5.1	63
3.1	086	3.2	5.8	54	088	1.7	5.3	32
3.6	079	2.9	5.9	50	071	1.3	5.7	23
4.5	070	2.7	6.3	44	015	0.7	6.2	11
5.8	056	2.7	6.9	39	286	1.4	7.2	20
6.0	055	2.5	7.0	36	283	1.8	7.4	24
7.6	003	1.0	7.2	14	275	5.6	10.1	56
9.5	255	3.8	8.4	45	261	10.5	14.2	74
10.6	237	6.1	9.9	62	253	12.9	16.5	78
12.3	217	8.5	12.2	70	246	14.6	18.2	80
14.1	215	7.1	11.3	63	248	14.2	16.9	84
16.6	132	1.3	7.9	17	254	4.2	9.5	44
18.5	096	3.5	7.0	51	096	1.8	7.3	25
20.5	090	4.9	7.3	66	088	2.0	6.6	31
24.0	090	8.9	10.9	81	088	6.0	11.0	54
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	273	0.4	0.7	60	277	0.8	1.3	60
0.15	296	2.7	4.3	62	294	3.4	5.4	63
0.3	296	2.8	4.5	62	294	3.6	5.6	63
0.6	294	3.1	4.9	63	294	4.4	6.4	69
0.7	294	3.4	5.1	67	295	4.0	6.0	66
0.9	292	3.4	5.1	66	291	5.0	6.8	74
1.5	289	4.8	6.4	76	286	6.6	7.8	84
2.1	287	7.1	8.3	86	284	8.5	9.6	89
3.1	284	10.8	11.7	92	283	11.9	12.8	93
3.6	282	12.7	13.6	93	281	13.6	14.5	94
4.5	279	16.4	17.4	94	279	16.9	18.0	94
5.8	275	22.6	23.9	95	275	22.7	24.1	94
6.0	275	23.6	25.0	94	275	23.7	25.1	94
7.6	272	30.0	31.9	94	272	29.9	31.9	94
9.5	269	36.1	38.3	94	271	36.2	38.8	93
10.6	266	38.4	40.4	95	270	37.8	41.1	92
12.3	265	40.1	42.1	95	268	40.2	42.9	93
14.1	267	37.3	39.5	94	269	39.3	41.7	94
16.6	265	29.3	30.8	95	265	30.8	33.7	91
18.5	263	21.7	23.5	92	272	22.7	25.7	88
20.5	269	14.2	19.0	75	272	15.0	18.8	80
24.0					283	4.1	12.5	33
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	277	1.1	1.8	62	054	0.2	2.2	09
0.15	295	4.1	6.4	63	328	1.2	6.7	17
0.3	295	4.4	6.7	65	322	1.5	7.2	20
0.6	295	5.7	7.6	75	301	2.5	8.0	32
0.7	295	6.2	7.6	81	302	3.3	7.6	43
0.9	293	6.8	8.2	83	294	4.2	8.2	52
1.5	289	8.7	9.7	90	291	7.3	9.1	79
2.1	287	10.5	11.3	93	289	9.5	10.5	90
3.1	284	13.6	14.4	94	287	12.5	13.4	94
3.6	282	14.8	15.7	94	286	13.7	14.6	94
4.5	280	16.9	17.9	94	283	14.9	16.0	93
5.8	278	21.0	22.1	95	281	16.7	17.9	93
6.0	278	21.9	23.1	95	280	17.0	18.3	93
7.6	276	26.2	27.6	95	277	19.3	20.8	92
9.5	274	30.0	32.3	93	272	22.5	24.6	92
10.6	273	32.6	35.3	92	268	24.1	26.4	91
12.3	272	36.3	39.3	92	267	27.2	29.8	91
14.1	273	36.2	38.7	94	266	27.1	29.4	92
16.6	272	30.3	32.3	94	262	20.8	23.1	90
18.5	270	18.7	21.5	87	266	11.1	14.6	76
20.5	266	7.0	13.5	52	284	4.2	10.1	42
24.0	278	2.3	11.0	21	333	1.2	8.0	15
26.5	276	5.8	13.4	43	308	2.3	8.9	25
31.0					266	8.7	15.3	57
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	086	1.8	2.3	75	087	1.7	2.1	80
0.15	089	3.7	6.8	54	090	4.0	6.2	65
0.3	090	3.7	7.1	52	091	4.1	6.4	64
0.6	108	2.9	7.5	39	106	4.0	7.1	56
0.7	107	1.4	6.7	21	105	3.5	6.7	53
0.9	125	0.8	7.0	11	115	3.0	6.9	44
1.5	287	3.5	7.0	50	141	0.6	6.9	08
2.1	292	6.9	8.5	81	297	2.0	7.6	27
3.1	293	11.0	12.0	91	302	4.0	8.3	49
3.6	292	12.1	13.1	92	300	4.5	8.5	52
4.5	291	12.6	13.8	92	294	4.3	8.3	52
5.8	286	12.8	14.2	90	277	3.7	8.0	46
6.0	285	12.8	14.3	90	275	3.8	8.0	47
7.6	278	14.0	16.1	87	261	4.0	8.8	46
9.5	269	17.1	19.4	88	255	5.3	10.1	52
10.6	264	18.9	21.3	89	248	5.3	10.5	50
12.3	259	20.8	23.2	89	244	5.3	11.1	48
14.1	255	19.6	22.0	89	243	4.1	10.9	37
16.6	254	12.6	15.9	79	099	1.2	9.9	12
18.5	257	3.8	9.9	39	079	6.2	10.5	59
20.5	077	1.7	8.0	22	084	10.4	12.2	85
24.0	073	3.4	7.8	43	084	13.4	14.8	91
26.5	073	2.6	7.8	33	085	14.7	16.0	92
31.0	079	1.7	9.6	17	088	15.5	17.3	90
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	089	1.2	1.7	73	087	1.2	1.7	69
0.15	096	3.4	5.5	61	093	3.4	5.8	60
0.3	097	3.5	5.7	60	094	3.6	6.0	60
0.6	109	3.7	6.7	55	101	4.2	7.2	58
0.7	106	3.4	6.7	51	103	3.9	6.7	58
0.9	114	3.5	7.1	49	104	4.4	7.7	57
1.5	116	2.8	7.6	37	105	4.5	8.1	56
2.1	109	2.3	7.8	30	102	4.3	8.0	54
3.1	105	1.9	7.6	24	103	4.0	7.5	53
3.6	106	1.9	7.3	25	104	3.8	7.0	54
4.5	107	1.6	6.9	24	105	3.4	6.6	52
5.8	108	1.8	6.5	29	102	3.3	6.1	54
6.0	106	1.9	6.6	28	103	3.2	6.1	53
7.6	105	2.9	6.6	44	101	3.6	6.2	59
9.5	094	4.1	7.3	56	096	4.7	7.3	65
10.6	088	5.1	8.2	63	091	5.5	8.2	67
12.3	082	6.5	9.7	66	087	6.5	9.4	68
14.1	076	8.2	11.2	73	081	7.7	10.8	71
16.6	072	11.9	13.9	86	076	11.6	13.5	86
18.5	073	15.2	16.5	92	077	14.7	15.7	94
20.5	078	16.7	17.6	95	079	15.7	16.5	95
24.0	081	19.7	20.3	97	082	19.3	19.8	97
26.5	084	23.4	24.1	97	082	22.8	23.3	98
31.0	085	29.9	30.6	97	082	27.7	28.4	98
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	086	1.0	1.4	69	051	0.1	0.4	24
0.15	089	2.4	5.2	45	312	0.3	3.5	10
0.3	090	2.5	5.5	45	314	0.4	3.6	11
0.6	099	2.8	6.3	44	301	0.8	3.9	19
0.7	097	3.5	6.3	56	314	0.9	3.5	27
0.9	104	2.5	6.6	38	304	1.2	4.1	29
1.5	100	2.1	7.0	30	301	2.0	4.7	42
2.1	094	1.9	7.1	26	301	2.3	5.3	43
3.1	103	1.6	6.7	23	292	2.9	5.9	49
3.6	110	1.5	6.5	23	288	3.5	6.2	57
4.5	136	1.3	6.3	21	279	5.0	7.3	68
5.8	189	1.4	6.5	21	272	8.1	10.1	80
6.0	196	1.4	6.5	21	270	8.7	10.7	81
7.6	228	2.4	7.0	34	266	13.9	15.6	89
9.5	236	3.5	8.3	42	260	19.2	20.8	92
10.6	237	3.8	8.9	42	258	21.6	23.3	93
12.3	241	3.9	10.0	39	255	23.7	25.4	93
14.1	237	3.0	10.3	29	255	21.6	23.5	92
16.6	117	0.6	9.2	06	258	13.5	16.1	84
18.5	078	4.4	8.8	50	264	6.2	10.7	58
20.5	078	7.8	10.2	77	279	1.3	8.2	15
24.0	082	13.1	14.3	91	069	1.9	8.4	23
26.5	087	15.9	17.1	93	068	1.8	8.6	21
31.0	090	16.1	17.4	92				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GORAKHPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	292	0.1	0.2	41	285	0.2	0.4	43
0.15	301	1.7	3.4	51	300	2.4	3.7	64
0.3	301	1.9	3.6	52	301	2.5	3.9	65
0.6	300	2.2	3.8	58	299	2.5	4.1	60
0.7	302	2.2	3.6	61	301	2.5	3.5	70
0.9	300	2.2	3.9	57	297	2.6	4.4	59
1.5	297	2.7	4.7	57	294	3.5	5.4	65
2.1	295	3.3	5.8	57	292	5.2	6.8	76
3.1	289	5.5	7.7	72	290	8.6	9.9	87
3.6	285	7.1	8.9	79	287	10.6	11.8	90
4.5	281	10.3	11.7	88	283	13.8	15.0	92
5.8	277	15.3	16.6	92	278	19.5	20.9	93
6.0	277	16.2	17.6	92	277	20.5	21.9	93
7.6	273	22.5	24.1	93	274	26.9	28.7	94
9.5	267	30.1	31.9	94	269	32.8	35.0	94
10.6	265	33.2	35.2	94	269	35.1	37.4	94
12.3	262	35.5	37.6	94	267	37.6	39.6	95
14.1	262	32.7	35.0	93	266	35.3	37.0	95
16.6	266	21.2	23.2	91	269	27.4	29.1	94
18.5	268	11.9	15.8	75	271	19.3	20.5	94
20.5	284	4.4	9.5	46	273	13.2	15.8	84
24.0	281	4.2	8.6	48	284	5.8	10.7	54
26.5	279	6.0	10.2	58				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	092	0.1	0.3	35	096	0.1	0.6	20
0.15	094	0.7	2.1	33	114	0.5	2.5	22
0.3	092	0.8	2.3	33	130	0.5	2.7	17
0.6	086	1.1	3.2	36	247	0.7	3.7	19
0.7	086	1.3	3.2	41	233	0.4	3.4	12
0.9	079	1.3	3.7	34	260	1.5	4.3	34
1.5	089	0.7	4.3	16	258	3.2	5.5	58
2.1	249	1.0	5.0	20	260	5.3	7.1	75
3.1	275	7.4	9.3	79	270	11.0	12.1	91
3.6	275	12.3	13.5	91	271	14.6	15.6	94
4.5	272	19.3	20.2	95	272	19.5	20.4	96
5.8	272	25.1	26.0	96	271	24.6	25.6	96
6.0	272	26.1	27.1	96	271	25.4	26.4	96
7.6	271	33.7	35.3	95	268	32.4	34.0	95
9.5	268	43.3	45.4	95	266	41.0	43.3	95
10.6	265	47.4	49.6	96	264	44.6	47.0	95
12.3	262	48.2	50.1	96	262	46.0	47.9	96
14.1	263	42.0	43.3	97	263	40.5	41.9	97
16.6	265	27.8	28.9	96	265	27.6	28.6	96
18.5	269	16.4	17.6	93	268	17.4	18.6	94
20.5	272	9.6	12.4	77	278	9.6	12.6	76
24.0	270	7.8	11.6	67	271	7.1	9.9	72
26.5	267	11.9	14.4	82	269	8.9	11.4	78
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	072	0.4	1.0	38	065	0.8	1.3	57
0.15	085	1.0	3.2	31	074	1.8	3.4	51
0.3	093	0.7	3.4	20	074	1.7	3.7	47
0.6	246	1.0	4.4	23	071	0.5	4.3	12
0.7	248	1.7	4.1	40	280	0.3	4.0	07
0.9	256	2.9	5.1	56	260	1.9	4.9	39
1.5	256	5.8	7.0	82	254	6.2	7.5	82
2.1	261	8.3	9.2	90	259	9.0	9.9	91
3.1	269	12.9	13.7	94	267	12.2	13.0	94
3.6	271	15.2	15.9	95	269	13.5	14.4	94
4.5	273	18.1	18.9	96	273	14.6	15.8	92
5.8	272	20.3	21.4	94	274	14.9	16.6	89
6.0	272	20.6	21.8	94	273	15.1	16.9	89
7.6	268	24.9	26.6	93	269	17.7	19.7	90
9.5	266	32.6	34.9	93	265	24.0	26.3	91
10.6	264	37.9	40.3	94	263	28.9	31.3	92
12.3	262	40.7	42.8	95	263	33.2	35.2	94
14.1	263	35.3	36.9	96	265	29.8	31.3	95
16.6	264	23.8	24.9	95	269	17.4	18.7	93
18.5	268	13.7	15.2	90	279	6.8	10.0	69
20.5	280	6.6	9.9	67	312	1.5	6.5	22
24.0	279	4.5	8.7	52	315	1.2	6.5	18
26.5	261	7.3	11.0	66	260	3.7	7.7	48
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	064	0.5	1.1	48	058	0.4	0.9	42
0.15	075	1.3	3.0	44	069	0.7	2.7	27
0.3	080	1.3	3.2	42	069	0.7	2.9	25
0.6	084	0.9	3.7	24	059	0.5	3.6	13
0.7	101	0.2	3.5	05	188	0.2	3.3	05
0.9	246	0.4	4.1	09	231	0.4	4.0	10
1.5	247	3.3	6.0	55	228	2.4	5.3	45
2.1	252	5.4	7.6	70	233	3.6	6.3	57
3.1	265	7.0	8.9	79	239	3.7	6.7	56
3.6	267	7.5	9.4	80	240	3.9	6.6	59
4.5	268	7.9	9.7	81	239	4.1	6.7	61
5.8	263	8.5	10.5	81	235	4.1	7.1	58
6.0	262	8.7	10.7	81	235	4.1	7.1	58
7.6	258	11.3	13.5	84	235	4.1	7.3	56
9.5	256	16.6	18.5	90	235	4.1	7.6	53
10.6	255	19.8	21.6	92	236	4.0	8.1	50
12.3	254	22.0	23.7	92	249	4.0	9.4	42
14.1	256	19.5	21.3	91	285	2.9	10.0	29
16.6	262	8.1	11.2	72	055	5.2	10.1	51
18.5	030	0.6	7.8	08	074	11.1	12.6	88
20.5	083	5.3	7.4	71	086	13.0	13.6	95
24.0	088	6.2	8.2	75	085	15.0	15.4	97
26.5	098	5.7	8.1	70	091	16.8	17.5	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	069	0.2	0.7	26	078	0.2	0.7	36
0.15	064	0.5	2.6	19	082	0.5	2.6	19
0.3	064	0.5	2.8	17	083	0.5	2.7	18
0.6	358	0.1	3.5	02	075	0.4	3.4	11
0.7	112	0.1	3.2	03	099	0.3	3.5	08
0.9	236	0.8	4.1	20	159	0.3	3.9	06
1.5	223	2.6	5.4	48	184	1.1	4.8	22
2.1	222	3.4	6.1	55	183	1.4	5.3	27
3.1	216	3.1	5.9	52	169	1.7	5.5	30
3.6	215	3.0	5.8	51	169	1.8	5.4	34
4.5	209	2.5	5.5	45	161	2.0	5.3	38
5.8	190	1.6	5.3	31	143	1.9	5.0	39
6.0	182	1.6	5.2	30	137	1.9	4.9	39
7.6	126	1.5	5.2	29	110	2.5	5.1	48
9.5	093	2.9	6.2	46	092	3.7	6.3	59
10.6	081	4.1	7.4	55	083	4.7	7.6	61
12.3	065	6.6	10.2	65	067	6.9	10.3	67
14.1	063	10.3	13.6	75	063	9.5	12.7	74
16.6	070	15.9	17.3	92	072	14.9	16.1	92
18.5	077	18.8	19.5	96	080	17.1	17.7	96
20.5	084	17.8	18.5	96	083	17.2	17.6	97
24.0	086	21.9	22.6	97	086	21.9	22.4	97
26.5	087	25.2	26.0	97	088	25.3	25.8	98
31.0					086	34.5	35.3	98
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	079	0.2	0.7	38	069	0.3	0.6	60
0.15	093	0.6	2.5	24	081	1.4	2.6	53
0.3	094	0.6	2.7	23	084	1.5	2.8	53
0.6	085	0.4	3.5	10	083	1.8	3.8	46
0.7	081	0.5	3.2	16	086	1.7	3.6	47
0.9	210	0.3	4.0	07	085	1.5	4.3	36
1.5	231	1.7	4.8	34	139	0.6	4.5	12
2.1	228	2.2	5.2	43	228	1.1	4.6	25
3.1	223	2.4	5.5	43	247	3.1	5.5	57
3.6	226	2.6	5.6	47	250	4.4	6.2	70
4.5	230	2.9	5.7	51	255	7.0	8.5	83
5.8	233	3.1	5.8	53	257	10.3	11.5	89
6.0	235	3.0	5.8	51	257	10.8	12.0	90
7.6	235	2.6	5.9	45	259	14.1	15.5	91
9.5	238	2.3	6.7	34	259	18.6	20.1	93
10.6	247	2.2	7.8	29	259	20.0	21.7	92
12.3	279	2.5	9.7	26	260	21.5	23.3	92
14.1	333	2.1	10.3	20	261	19.5	21.3	91
16.6	066	5.2	8.9	58	265	9.7	11.8	82
18.5	078	9.0	10.0	90	283	2.4	7.3	33
20.5	084	10.3	10.7	96	086	2.2	6.4	34
24.0	087	15.5	16.0	97	091	4.5	7.6	59
26.5	092	18.0	18.6	97	104	5.0	8.0	62
31.0	092	21.5	22.3	96	140	2.5	8.5	29
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GUWAHATI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	065	0.3	0.4	83	070	0.1	0.2	60
0.15	079	1.9	2.4	77	082	1.3	2.1	64
0.3	080	2.1	2.7	78	083	1.6	2.4	66
0.6	084	3.4	4.1	82	083	2.6	3.7	71
0.7	083	3.0	3.7	79	084	3.0	3.6	83
0.9	083	3.5	4.5	78	082	2.9	4.2	69
1.5	088	2.6	4.6	56	087	2.7	4.6	58
2.1	106	1.2	4.5	27	095	1.5	4.7	32
3.1	259	2.7	5.9	45	275	4.6	7.7	60
3.6	266	5.5	8.0	69	276	8.9	11.2	80
4.5	267	11.3	12.7	89	273	15.6	17.0	91
5.8	267	16.6	17.8	93	271	21.3	22.5	94
6.0	267	17.3	18.5	93	272	22.1	23.4	94
7.6	266	23.4	25.1	93	271	29.7	31.3	95
9.5	265	32.0	34.1	94	268	37.9	39.9	95
10.6	263	36.3	38.4	94	266	42.5	44.6	95
12.3	262	38.4	40.8	94	263	44.8	46.8	96
14.1	263	34.0	35.7	95	263	40.0	41.3	97
16.6	267	20.0	21.5	93	266	26.6	27.5	97
18.5	274	9.2	11.5	80	273	14.8	16.2	92
20.5	273	3.8	7.5	50	274	8.7	11.0	79
24.0	267	1.6	7.2	22	273	6.3	10.6	60
26.5	266	4.0	8.0	50	270	8.4	12.2	69
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	359	0.2	0.5	49	341	0.3	0.6	52
0.15	013	1.6	4.5	36	012	1.9	5.1	36
0.3	013	1.4	4.1	34	010	1.7	4.7	36
0.6	001	1.8	4.9	37	358	2.0	5.7	35
0.7	327	2.3	4.8	47	335	2.2	5.4	41
0.9	329	2.1	5.1	42	325	2.4	5.8	41
1.5	290	4.2	6.2	68	289	4.8	7.0	69
2.1	278	6.5	8.0	81	279	7.2	8.9	80
3.1	272	9.9	11.3	88	274	10.6	12.2	86
3.6	272	12.0	13.3	90	271	12.5	14.3	87
4.5	271	16.0	17.4	92	270	16.3	18.2	90
5.8	270	22.3	23.7	94	270	22.6	24.5	92
6.0	269	23.4	24.9	94	270	23.8	25.8	92
7.6	268	31.7	33.6	94	269	31.7	34.2	93
9.5	266	39.5	41.7	95	271	39.4	42.8	92
10.6	265	42.1	44.5	94	268	42.7	46.0	93
12.3	264	42.9	46.1	93	267	45.7	49.3	92
14.1	264	42.3	45.1	94	268	41.1	44.4	92
16.6	264	30.1	32.6	92	268	33.9	36.2	94
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	332	0.3	0.7	42	301	0.5	0.9	58
0.15	003	1.7	5.4	31	324	1.7	5.6	30
0.3	003	1.5	4.9	29	325	1.5	5.1	30
0.6	351	2.0	6.0	34	330	2.2	6.2	36
0.7	332	2.9	5.9	49	330	2.1	5.9	36
0.9	323	2.9	6.4	45	322	3.0	6.4	46
1.5	291	5.4	7.3	74	300	4.7	6.5	71
2.1	284	7.8	9.3	85	290	6.8	8.1	84
3.1	277	10.7	12.2	88	280	9.3	10.6	87
3.6	274	12.0	13.5	89	277	10.2	11.7	87
4.5	271	14.7	16.0	91	275	11.3	13.1	87
5.8	270	19.0	20.5	92	274	13.6	15.3	89
6.0	270	20.1	21.6	93	274	14.1	15.9	89
7.6	270	25.7	27.6	93	273	18.3	20.4	90
9.5	269	31.1	33.9	92	271	23.7	26.4	90
10.6	268	34.4	37.5	92	269	27.7	30.5	91
12.3	267	38.1	41.1	93	268	30.8	33.7	91
14.1	266	37.6	39.8	94	266	29.0	31.3	93
16.6	265	27.5	29.9	92	269	19.0	21.6	88
18.5	274	19.4	22.7	85	273	9.0	14.2	64
20.5	284	7.9	18.5	42	318	3.5	11.9	29
24.0					047	2.5	11.0	22
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	279	1.0	1.7	62	270	1.4	2.0	67
0.15	279	2.7	6.6	41	273	3.6	6.8	52
0.3	278	2.5	6.1	41	272	3.4	6.3	53
0.6	287	3.4	7.4	46	279	4.5	7.9	57
0.7	291	4.0	7.5	54	281	4.4	7.7	57
0.9	294	4.4	7.7	57	287	5.1	8.3	61
1.5	296	5.5	7.3	75	304	4.7	7.4	64
2.1	296	6.5	7.7	84	316	4.5	6.9	65
3.1	293	7.8	9.2	85	324	4.4	7.2	61
3.6	291	8.1	9.7	83	324	4.5	7.4	61
4.5	289	8.7	10.6	82	319	4.1	7.4	55
5.8	285	9.9	11.8	83	298	3.4	7.5	45
6.0	283	10.2	12.2	83	295	3.4	7.5	44
7.6	279	13.6	15.6	87	279	3.7	9.2	40
9.5	271	18.4	20.9	88	268	4.3	10.3	42
10.6	265	20.6	23.2	89	261	4.8	10.6	45
12.3	260	22.1	24.7	89	251	4.3	10.8	40
14.1	256	19.1	21.5	88	232	2.1	10.7	20
16.6	254	10.7	14.3	75	078	5.1	10.6	48
18.5	261	0.5	10.6	05	079	10.6	12.5	85
20.5	079	6.5	10.7	60	085	12.9	13.8	93
24.0	079	7.3	11.2	65	087	15.6	16.6	94
26.5					091	17.1	17.8	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	266	1.1	1.7	64	273	0.7	1.6	46
0.15	266	3.5	6.6	52	285	2.6	6.4	40
0.3	265	3.2	6.1	53	284	2.5	6.0	41
0.6	276	4.4	7.9	55	296	2.9	7.3	40
0.7	278	3.4	7.6	45	295	3.7	7.4	50
0.9	285	4.7	8.3	56	314	2.6	7.5	34
1.5	306	3.0	7.2	42	357	2.1	6.8	30
2.1	333	2.0	6.5	30	026	2.4	6.6	36
3.1	004	1.6	6.1	27	047	2.5	6.4	39
3.6	018	1.3	6.1	22	056	2.4	6.1	39
4.5	044	1.1	6.1	18	075	2.2	6.2	36
5.8	097	1.6	6.3	26	088	2.9	6.5	45
6.0	099	1.8	6.5	28	087	2.9	6.5	45
7.6	099	3.3	7.2	46	089	3.9	7.0	56
9.5	095	4.7	7.6	61	095	5.2	7.4	70
10.6	094	5.4	8.2	66	093	5.9	8.1	74
12.3	090	7.4	10.4	71	090	7.5	10.0	75
14.1	083	10.8	13.4	80	081	9.8	12.3	79
16.6	073	16.2	17.9	91	077	14.4	16.1	90
18.5	079	19.7	20.3	97	079	16.9	17.5	96
20.5	083	18.9	19.5	97	083	17.1	18.0	95
24.0	085	22.7	23.5	97	085	23.4	24.1	97
26.5	089	24.2	25.0	97	087	26.7	27.3	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	286	0.7	1.2	58	293	0.1	0.4	30
0.15	293	2.5	5.5	45	283	0.6	4.2	14
0.3	293	2.4	5.1	46	276	0.6	3.9	15
0.6	307	2.8	6.3	44	324	0.8	4.6	17
0.7	324	2.4	6.1	39	346	1.0	4.0	25
0.9	323	3.0	6.5	46	330	1.5	4.8	32
1.5	342	3.4	6.6	52	326	3.5	5.7	62
2.1	353	3.9	6.9	56	324	4.7	6.7	70
3.1	359	3.2	6.5	50	320	5.1	7.3	69
3.6	356	2.4	6.0	40	314	4.7	7.1	66
4.5	318	0.9	5.8	15	294	5.0	7.6	66
5.8	248	1.4	6.6	22	275	8.1	10.5	77
6.0	250	1.6	6.6	24	274	8.9	11.3	78
7.6	254	2.7	7.2	37	268	13.7	15.9	86
9.5	250	4.0	8.1	50	261	19.0	21.0	90
10.6	246	5.0	9.0	55	257	21.8	23.8	92
12.3	236	5.1	10.0	51	256	23.2	25.2	92
14.1	224	3.2	9.7	33	254	20.6	22.3	92
16.6	081	4.1	8.8	46	256	11.3	14.0	81
18.5	077	7.8	9.7	80	280	2.1	9.3	22
20.5	083	9.6	10.8	89	064	2.3	8.7	27
24.0	087	14.1	14.7	96	086	7.0	9.6	72
26.5	088	16.9	17.4	97	093	5.3	10.4	51
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : GWALIOR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	329	0.1	0.2	39	002	0.1	0.3	41
0.15	021	0.6	3.7	16	007	1.6	3.9	41
0.3	013	0.5	3.4	15	006	1.4	3.6	39
0.6	004	1.2	4.1	29	357	1.8	4.3	42
0.7	360	1.4	3.9	35	341	2.0	4.0	51
0.9	345	1.8	4.3	41	334	2.3	4.6	50
1.5	323	3.5	5.5	63	305	4.0	5.8	68
2.1	314	4.6	6.6	70	294	5.6	7.2	77
3.1	300	5.8	7.5	77	282	8.0	9.7	83
3.6	293	6.7	8.5	79	280	9.6	11.1	86
4.5	283	9.0	10.8	83	275	13.3	14.7	90
5.8	277	13.5	15.4	88	272	18.9	20.4	93
6.0	277	14.3	16.3	88	271	20.4	21.9	93
7.6	272	20.7	22.9	90	269	27.9	29.7	94
9.5	267	28.2	30.9	91	265	35.8	38.1	94
10.6	265	32.1	34.7	92	263	39.9	42.5	94
12.3	261	34.5	37.1	93	258	43.3	45.9	94
14.1	263	31.9	34.0	94	260	40.4	42.3	95
16.6	266	21.7	23.8	91	264	28.9	30.4	95
18.5	279	11.1	16.3	68	271	21.0	25.7	82
20.5	307	3.0	14.4	21	269	7.9	21.2	37
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	122	2.2	2.7	79	134	2.0	2.9	68
0.15	127	3.9	4.8	81	136	3.4	5.0	68
0.3								
0.6	126	3.5	4.3	81	135	3.0	4.3	69
0.7	120	3.7	4.9	75	129	3.4	5.2	64
0.9	121	4.0	5.3	77	134	3.6	5.6	65
1.5	084	1.8	4.7	38	135	1.4	5.3	27
2.1	350	1.4	4.9	29	290	1.6	5.5	28
3.1	301	2.7	6.1	44	294	4.1	6.9	59
3.6	287	4.0	7.0	57	288	5.0	7.8	64
4.5	279	6.3	8.8	72	279	7.2	9.7	74
5.8	275	9.7	11.8	82	278	10.4	12.6	82
6.0	275	10.3	12.4	83	277	11.1	13.3	83
7.6	272	14.9	16.9	88	274	15.4	17.8	86
9.5	266	19.7	21.6	91	267	19.9	22.4	89
10.6	260	21.1	23.1	91	263	21.2	23.5	90
12.3	256	21.9	24.1	91	261	21.2	23.7	89
14.1	256	19.2	21.6	89	261	18.6	21.3	88
16.6	262	10.4	13.2	78	268	10.8	13.5	80
18.5	263	4.2	8.0	53	264	6.0	8.8	68
20.5	263	1.9	7.1	27	275	3.2	7.1	45
24.0	016	0.7	7.9	09	068	1.1	8.4	13
26.5	305	0.6	9.9	06	002	0.3	9.5	03
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	154	1.5	2.7	56	192	1.2	3.1	38
0.15	160	2.8	4.9	57	198	2.2	5.4	42
0.3								
0.6	160	2.4	4.3	56	198	2.0	4.8	42
0.7	154	2.9	4.9	59	179	2.5	5.8	43
0.9	159	3.0	5.6	53	203	2.6	6.2	41
1.5	154	1.7	5.6	30	208	2.1	5.9	35
2.1	325	0.5	5.1	10	225	0.4	4.8	09
3.1	317	2.9	5.9	48	011	2.1	5.0	41
3.6	311	3.4	6.5	52	008	2.7	5.6	48
4.5	298	4.2	7.3	58	354	2.6	6.2	42
5.8	283	7.0	9.8	72	301	3.7	7.7	48
6.0	281	7.6	10.4	73	297	4.3	8.2	52
7.6	276	11.7	14.4	81	280	8.1	11.4	72
9.5	268	17.1	19.7	87	267	13.2	16.2	81
10.6	263	19.4	21.9	88	260	15.6	18.5	84
12.3	259	20.1	22.5	89	253	17.3	20.0	86
14.1	260	17.6	20.0	88	254	14.3	16.7	85
16.6	265	9.1	12.1	75	255	4.5	9.4	48
18.5	275	4.4	8.2	54	067	0.4	6.7	05
20.5	273	2.7	7.2	37	056	1.1	6.2	18
24.0	051	1.7	8.3	21	081	5.4	8.0	68
26.5	080	0.2	9.1	02	086	7.3	10.7	68
31.0	205	1.5	14.1	11				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	266	2.3	3.9	58	265	5.0	5.5	90
0.15	267	3.9	6.6	59	265	7.9	8.6	91
0.3								
0.6	267	3.5	6.0	59	265	7.0	7.7	91
0.7	265	3.9	7.0	56	266	7.9	8.7	90
0.9	276	4.7	7.9	59	273	9.6	10.6	90
1.5	294	4.4	8.1	55	285	10.7	12.2	88
2.1	321	2.7	6.0	45	287	7.8	9.7	80
3.1	021	3.2	5.4	58	293	3.9	7.3	53
3.6	029	3.7	5.9	62	296	3.0	7.0	43
4.5	034	3.7	6.4	58	300	2.5	6.9	35
5.8	006	3.0	6.9	44	296	2.1	6.3	33
6.0	360	3.0	7.1	43	297	1.9	6.2	31
7.6	318	3.2	7.9	41	034	1.1	5.5	20
9.5	270	3.9	8.6	45	079	4.8	6.8	71
10.6	250	4.8	9.3	52	083	7.5	9.0	84
12.3	225	5.5	10.5	53	085	12.1	13.5	90
14.1	189	4.5	10.5	43	086	18.4	19.6	94
16.6	107	7.1	10.4	68	090	24.6	25.3	97
18.5	094	8.2	9.6	85	088	18.2	18.9	96
20.5	081	7.9	9.1	87	083	15.7	16.2	97
24.0	088	12.7	13.3	95	088	20.6	21.0	98
26.5	089	15.3	16.0	96	090	22.5	23.1	97
31.0					089	22.1	22.9	97
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	265	5.2	5.6	93	269	5.1	5.4	94
0.15	263	8.4	9.0	94	269	7.9	8.4	94
0.3								
0.6	264	7.5	7.9	95	269	7.0	7.4	94
0.7	262	8.9	9.4	95	268	7.8	8.5	91
0.9	271	10.4	11.0	95	277	9.8	10.4	94
1.5	281	12.7	13.4	95	288	11.9	12.6	94
2.1	281	11.2	12.0	93	288	10.5	11.2	93
3.1	281	7.9	8.9	88	287	7.7	8.7	88
3.6	282	6.8	8.1	84	288	6.6	7.8	85
4.5	283	5.3	7.2	74	291	5.0	6.9	73
5.8	285	3.0	6.1	50	293	3.0	6.1	49
6.0	288	2.5	6.0	42	297	2.6	6.0	42
7.6	076	1.8	5.7	31	067	1.6	5.8	27
9.5	085	7.8	8.9	87	085	7.0	8.3	85
10.6	083	12.1	12.8	94	085	11.2	11.9	94
12.3	081	19.3	20.0	97	083	18.2	18.8	97
14.1	080	27.7	28.3	98	081	25.7	26.4	97
16.6	087	32.8	33.3	98	087	29.9	30.4	98
18.5	086	23.3	23.8	98	087	20.8	21.3	98
20.5	083	21.1	21.5	98	084	19.6	20.1	98
24.0	085	24.4	24.9	98	087	24.1	24.4	99
26.5	088	28.1	28.6	98	088	27.4	27.8	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	270	2.5	3.5	69	081	0.7	2.5	29
0.15	273	3.9	5.9	67	088	1.4	4.5	31
0.3								
0.6	272	3.5	5.2	67	086	1.2	3.9	32
0.7	274	4.1	6.3	65	088	1.8	4.6	38
0.9	286	4.5	6.9	66	073	2.0	5.1	39
1.5	304	4.5	7.3	62	055	3.2	6.2	52
2.1	308	3.8	6.7	57	043	3.6	6.3	56
3.1	314	2.6	5.9	44	036	2.7	5.8	46
3.6	314	2.2	5.6	38	040	2.1	5.5	39
4.5	311	1.4	5.3	25	060	1.5	5.3	28
5.8	020	0.8	5.3	14	072	1.5	5.5	26
6.0	042	0.9	5.2	16	073	1.4	5.6	25
7.6	081	2.3	5.3	43	091	0.8	5.7	14
9.5	094	5.4	6.7	81	178	1.4	6.5	22
10.6	094	7.9	8.9	89	177	2.4	7.5	32
12.3	093	12.2	13.1	93	164	4.3	9.5	44
14.1	092	18.1	18.9	95	143	5.8	11.0	52
16.6	093	20.0	20.5	97	105	7.5	10.2	73
18.5	086	14.7	15.2	97	090	6.9	8.2	84
20.5	084	14.9	15.5	97	084	9.8	10.5	93
24.0	086	20.6	21.0	98	089	14.4	14.9	96
26.5	091	23.6	24.0	98	090	16.4	17.3	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : HYDERABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	087	1.9	2.7	72	106	2.0	2.5	81
0.15	089	3.6	4.9	74	107	3.9	4.6	84
0.3								
0.6	089	3.2	4.3	74	108	3.3	3.9	83
0.7	087	3.9	5.2	75	100	4.1	4.9	84
0.9	083	4.3	5.6	76	101	4.2	5.1	83
1.5	070	4.4	6.2	71	078	3.3	5.1	65
2.1	060	3.7	6.0	61	057	2.3	4.9	46
3.1	057	2.5	5.4	47	019	1.1	5.1	22
3.6	054	2.2	5.6	39	331	1.2	5.6	21
4.5	044	1.5	6.0	25	296	2.5	6.5	38
5.8	338	1.3	6.6	20	278	4.8	8.3	58
6.0	328	1.5	6.8	22	277	5.3	8.7	61
7.6	287	3.5	7.8	45	270	9.3	12.1	76
9.5	256	7.4	10.3	72	263	14.8	17.2	86
10.6	244	9.7	12.1	80	255	17.2	19.9	87
12.3	229	11.7	14.5	81	247	19.6	22.5	87
14.1	229	10.4	13.3	78	249	18.3	20.5	89
16.6	224	1.6	7.6	21	258	8.5	12.0	71
18.5	088	2.6	6.1	42	264	1.5	7.0	22
20.5	080	3.5	6.5	53	042	0.3	5.6	04
24.0	085	8.6	9.9	87	066	2.8	7.8	36
26.5	091	9.4	11.4	82	079	2.3	8.6	26
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	034	0.1	0.3	12	216	0.1	0.3	27
0.15	055	0.4	2.8	15	214	0.9	3.5	26
0.3								
0.6	055	0.3	2.3	13	220	0.8	2.8	28
0.7	052	0.7	2.7	25	218	0.7	3.5	20
0.9	045	0.5	3.2	16	223	0.9	4.0	22
1.5	336	1.4	4.1	34	282	1.6	4.5	35
2.1	326	3.0	5.4	54	299	3.5	5.7	62
3.1	310	5.1	7.5	68	303	6.2	8.3	75
3.6	300	6.3	8.4	74	299	7.7	9.5	80
4.5	288	8.8	10.8	82	291	10.0	11.9	84
5.8	283	12.6	14.4	88	285	13.3	15.1	88
6.0	283	13.2	15.1	88	285	14.1	15.9	89
7.6	280	18.0	20.0	90	283	18.5	20.8	89
9.5	275	23.2	25.1	93	276	23.7	26.2	90
10.6	271	24.7	26.8	92	273	24.8	27.6	90
12.3	268	24.4	26.5	92	271	24.4	27.0	90
14.1	266	20.7	23.2	89	269	21.1	23.5	90
16.6	269	11.8	14.3	82	276	12.0	15.1	79
18.5	279	4.9	9.6	51	275	4.6	9.4	49
20.5	291	2.6	8.3	31	303	3.1	7.9	40
24.0	025	1.3	8.2	16	054	1.3	8.4	15
26.5	331	0.8	8.4	09	273	1.1	9.1	12
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	238	0.2	0.5	43	225	0.4	0.7	59
0.15	227	2.3	4.1	56	229	3.8	5.0	77
0.3								
0.6	230	1.9	3.3	57	231	3.0	3.9	75
0.7	223	2.0	3.8	53	224	3.6	4.6	78
0.9	236	2.2	4.4	49	237	4.5	5.7	79
1.5	285	1.9	4.6	41	269	3.7	5.5	68
2.1	306	3.1	5.2	61	304	3.1	5.0	62
3.1	312	5.6	7.4	75	331	3.9	6.0	65
3.6	310	6.5	8.3	79	331	4.4	6.6	66
4.5	301	7.5	9.4	80	320	4.8	7.2	67
5.8	289	10.1	12.0	84	298	6.4	8.9	72
6.0	288	10.6	12.6	85	295	6.9	9.4	73
7.6	285	14.4	16.5	87	282	10.7	13.1	81
9.5	278	19.6	22.2	88	273	16.1	18.6	87
10.6	273	22.3	24.8	90	268	18.5	21.0	88
12.3	270	23.3	25.7	91	262	19.9	22.4	89
14.1	271	20.6	22.7	91	260	16.3	18.5	88
16.6	270	10.6	13.2	80	260	6.0	10.9	55
18.5	288	3.3	8.1	40	292	1.0	7.7	13
20.5	289	2.9	7.3	40	044	0.8	6.3	13
24.0	031	0.9	8.9	10	089	4.2	7.8	54
26.5	279	1.9	9.4	20	096	4.1	8.5	48
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	229	0.6	0.9	62	226	1.0	1.3	78
0.15	236	4.3	5.6	77	243	4.8	6.0	80
0.3								
0.6	236	3.2	4.2	76	245	3.8	4.7	81
0.7	235	4.3	5.4	80	237	4.7	5.8	81
0.9	245	5.0	6.5	77	255	6.3	7.6	82
1.5	276	4.6	6.5	71	278	7.5	9.2	82
2.1	312	3.9	5.9	67	294	6.2	8.2	75
3.1	346	4.4	6.3	69	318	4.2	7.3	58
3.6	352	4.7	6.7	70	334	3.5	7.0	50
4.5	354	4.6	6.9	67	350	2.8	6.5	44
5.8	336	3.8	6.9	55	356	1.6	5.8	27
6.0	331	3.7	7.1	52	001	1.4	5.8	24
7.6	299	4.7	8.9	53	073	1.5	5.6	27
9.5	272	6.6	10.2	64	101	4.2	6.5	65
10.6	262	7.6	11.0	69	102	5.9	7.9	75
12.3	242	7.8	12.0	65	098	9.8	11.7	83
14.1	217	5.3	10.8	49	098	15.4	17.1	90
16.6	115	5.8	10.3	57	098	20.5	21.6	95
18.5	090	7.6	9.4	81	095	16.4	17.2	95
20.5	087	8.2	9.3	87	091	14.9	15.4	96
24.0	094	11.5	12.3	93	094	19.5	20.1	97
26.5	094	13.2	14.1	93	095	22.8	23.8	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	237	1.2	1.4	85	241	1.0	1.2	78
0.15	248	5.2	5.9	88	258	4.8	5.8	82
0.3								
0.6	250	4.2	4.8	87	259	3.9	4.8	82
0.7	243	5.1	5.7	90	252	4.5	5.5	81
0.9	261	6.8	7.8	88	271	6.2	7.5	83
1.5	282	9.1	10.3	89	292	8.0	9.6	83
2.1	289	8.4	9.7	87	298	7.4	9.1	81
3.1	291	6.2	8.0	77	300	5.3	7.3	73
3.6	291	4.8	7.1	68	299	4.3	6.8	63
4.5	289	3.1	6.2	50	305	2.5	6.2	40
5.8	293	1.0	5.8	16	005	0.7	6.0	12
6.0	284	0.4	5.7	07	052	0.7	6.1	12
7.6	104	2.8	6.2	45	101	3.7	6.6	55
9.5	098	7.8	8.8	88	101	7.8	9.0	87
10.6	095	11.5	12.3	94	098	10.8	11.6	93
12.3	089	17.6	18.6	95	092	17.0	17.8	95
14.1	087	23.9	25.0	96	089	23.2	24.1	96
16.6	090	29.7	30.4	97	093	26.7	27.5	97
18.5	091	23.1	23.7	97	094	21.9	22.3	98
20.5	091	21.2	21.7	98	092	20.8	21.3	97
24.0	094	24.5	25.0	98	098	24.7	25.4	97
26.5	095	27.3	27.8	98	098	28.4	28.9	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	245	0.3	0.6	53	027	0.3	0.5	57
0.15	261	2.5	4.1	60	044	1.5	3.3	46
0.3								
0.6	265	1.9	3.1	59	041	1.1	2.5	45
0.7	254	2.4	3.9	62	043	1.4	3.2	44
0.9	275	2.9	5.1	58	057	2.0	4.1	49
1.5	304	3.4	6.3	54	060	2.7	5.1	52
2.1	318	3.2	6.3	50	050	2.6	5.4	49
3.1	320	2.4	5.6	43	038	1.6	5.1	31
3.6	319	1.7	5.2	33	047	0.8	5.1	16
4.5	323	0.6	5.0	12	122	0.2	5.2	04
5.8	104	0.9	5.2	17	197	0.6	5.5	10
6.0	105	1.1	5.2	21	215	0.6	5.6	10
7.6	112	2.6	5.5	48	241	1.7	6.0	28
9.5	110	5.3	6.9	77	237	3.3	7.3	45
10.6	104	7.0	8.4	84	232	4.1	8.3	49
12.3	100	11.0	12.4	89	215	5.0	9.9	51
14.1	098	15.6	16.8	93	188	4.8	10.7	44
16.6	102	17.7	18.4	96	118	5.4	8.9	61
18.5	092	14.5	15.1	95	095	5.8	7.5	76
20.5	091	14.8	15.4	96	090	8.2	8.9	91
24.0	095	19.7	20.1	98	097	13.3	14.0	95
26.5	098	23.0	23.5	98	096	16.5	16.9	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JAGDALPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	017	0.3	0.4	72	020	0.2	0.3	69
0.15	053	2.8	3.6	77	054	2.1	3.1	68
0.3								
0.6	053	2.2	2.9	77	053	1.6	2.5	65
0.7	052	2.5	3.4	74	048	2.1	3.0	71
0.9	060	3.4	4.3	78	058	2.4	3.6	67
1.5	058	3.6	5.1	71	039	2.0	4.1	49
2.1	043	2.6	4.9	52	006	1.9	4.5	42
3.1	360	1.5	4.8	30	324	2.5	5.4	47
3.6	334	1.3	5.0	25	308	3.2	6.1	52
4.5	301	2.0	5.7	34	293	5.0	7.6	66
5.8	290	3.7	7.1	51	286	8.0	10.5	77
6.0	289	4.1	7.5	54	284	8.6	10.9	78
7.6	281	7.5	10.4	72	279	12.8	15.0	85
9.5	267	12.1	14.2	85	272	18.5	20.8	89
10.6	259	14.4	16.4	88	267	20.9	23.3	89
12.3	249	16.2	18.8	86	258	22.3	25.0	89
14.1	250	14.8	17.1	86	259	20.0	22.4	89
16.6	265	4.8	8.9	54	266	8.1	11.7	69
18.5	081	0.9	6.1	14	239	0.9	7.4	12
20.5	089	2.9	5.7	51	020	1.3	6.4	21
24.0	090	7.7	9.3	82	079	3.1	6.9	45
26.5	095	9.0	10.9	83	082	3.1	8.5	37
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	041	2.5	3.0	84	042	1.8	2.9	62
0.15	056	3.6	5.3	68	057	2.5	5.5	45
0.3	046	2.9	3.7	78	047	2.1	3.8	55
0.6	056	2.8	5.3	52	049	1.7	5.7	29
0.7	058	1.4	4.7	30	329	0.5	5.3	10
0.9	033	1.2	4.9	23	336	1.0	5.5	17
1.5	288	2.4	5.4	44	277	3.4	6.0	57
2.1	277	4.6	6.9	67	273	5.4	7.5	72
3.1	272	8.6	10.2	84	272	8.8	10.5	83
3.6	271	11.4	12.8	89	271	11.2	12.9	87
4.5	271	16.0	17.4	92	271	15.4	17.1	90
5.8	272	22.2	23.8	93	272	21.5	23.2	93
6.0	272	23.6	25.2	94	272	22.8	24.5	93
7.6	272	31.4	33.3	94	273	29.9	32.0	93
9.5	271	41.0	43.3	94	272	39.0	41.6	94
10.6	269	45.7	48.2	95	270	43.7	46.7	94
12.3	268	47.6	49.9	95	270	44.3	46.7	95
14.1	268	42.6	44.2	96	270	38.8	40.5	96
16.6	266	28.7	29.9	96	269	26.2	27.4	96
18.5	267	16.1	17.7	91	268	15.3	17.1	89
20.5	277	8.7	11.5	75	272	9.2	11.7	79
24.0	286	3.7	9.3	40	273	6.7	10.0	67
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	026	0.9	2.7	34	260	1.0	2.9	34
0.15	034	1.0	5.8	17	262	2.1	6.4	33
0.3	028	1.0	3.6	28	258	1.3	4.1	33
0.6	334	0.8	6.1	13	268	3.1	7.1	43
0.7	288	0.7	5.6	13	278	3.1	7.4	42
0.9	287	1.9	6.1	31	270	3.9	7.3	54
1.5	271	4.4	6.5	66	266	4.8	7.0	69
2.1	269	5.9	7.8	76	265	5.1	7.0	73
3.1	270	8.2	10.0	82	269	5.5	7.9	70
3.6	270	9.8	11.5	85	271	6.2	8.6	71
4.5	270	13.1	14.6	90	272	8.3	10.6	78
5.8	271	17.8	19.3	92	271	12.1	14.0	87
6.0	271	19.0	20.5	93	271	12.8	14.6	87
7.6	271	24.4	26.1	93	273	17.5	19.5	90
9.5	272	31.0	33.3	93	273	23.0	25.6	90
10.6	271	35.3	37.9	93	271	27.2	30.0	90
12.3	270	37.9	40.4	94	270	30.4	33.2	91
14.1	270	34.2	35.9	95	267	27.0	29.1	93
16.6	267	22.7	24.1	94	265	15.3	17.2	89
18.5	268	12.1	14.3	84	269	6.1	9.8	62
20.5	282	5.9	9.7	61	292	2.2	7.3	30
24.0	285	3.5	8.0	43	309	2.4	6.6	36
26.5					274	4.4	8.6	51
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	234	3.1	4.1	76	228	4.2	4.7	88
0.15	240	5.5	7.6	73	234	6.9	8.0	86
0.3	236	3.8	5.2	74	230	5.0	5.7	87
0.6	246	6.6	8.7	76	238	8.1	9.3	87
0.7	256	6.4	8.4	76	246	7.4	8.7	85
0.9	251	7.1	9.0	79	239	8.6	9.8	87
1.5	257	6.0	7.7	78	241	6.2	8.2	76
2.1	268	4.7	6.8	69	251	2.8	6.3	44
3.1	285	4.2	7.0	61	355	1.8	6.1	29
3.6	295	4.4	7.5	59	011	2.8	6.7	42
4.5	301	5.4	8.5	63	012	4.2	7.5	56
5.8	290	7.7	10.3	74	356	3.4	7.7	44
6.0	288	8.2	10.7	77	348	3.1	7.6	41
7.6	283	12.2	14.7	83	310	3.8	9.0	42
9.5	278	17.1	19.6	87	289	4.6	10.0	46
10.6	274	19.8	22.4	88	274	5.0	10.1	49
12.3	269	21.7	24.1	90	261	4.9	9.9	49
14.1	264	18.0	20.2	89	253	3.0	9.5	31
16.6	255	8.6	12.3	70	086	4.3	9.0	48
18.5	141	0.4	8.0	05	085	10.6	11.7	90
20.5	084	4.8	8.2	59	089	12.4	13.2	95
24.0	085	6.2	8.0	77	090	15.2	15.7	97
26.5	098	4.7	7.5	63	093	15.3	16.2	94
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	228	3.7	4.1	91	229	2.9	3.5	84
0.15	234	6.5	7.4	88	239	5.8	7.1	82
0.3	229	4.6	5.2	89	231	3.6	4.4	80
0.6	239	7.8	8.9	87	243	6.8	8.2	82
0.7	245	6.9	8.4	83	251	6.9	8.3	84
0.9	241	8.3	9.6	86	245	6.9	8.8	78
1.5	237	5.4	7.8	69	240	3.5	6.8	51
2.1	225	1.0	5.8	18	066	0.4	5.6	08
3.1	043	2.2	5.7	39	044	3.1	5.8	53
3.6	040	3.2	6.1	53	042	3.9	6.3	62
4.5	039	3.9	6.6	59	044	4.1	6.4	65
5.8	056	2.8	6.2	45	065	3.1	5.8	54
6.0	064	2.6	6.1	42	070	3.0	5.8	52
7.6	085	2.6	6.4	40	084	3.2	6.3	51
9.5	090	3.6	6.8	53	089	3.5	6.6	54
10.6	097	4.4	7.4	59	094	4.0	6.9	58
12.3	100	5.9	8.7	67	101	5.9	8.5	69
14.1	095	8.9	11.5	78	098	8.6	11.1	78
16.6	083	14.9	16.3	92	084	13.9	14.9	93
18.5	083	18.3	18.7	98	084	16.3	16.9	97
20.5	086	17.8	18.2	98	087	16.3	16.9	97
24.0	086	20.8	21.3	98	088	20.8	21.2	98
26.5	089	23.3	23.7	98	091	24.1	24.4	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	235	2.0	2.9	70	335	0.1	2.0	06
0.15	247	4.7	6.5	73	274	0.8	5.0	15
0.3	241	2.7	3.8	72	300	0.2	2.6	06
0.6	248	5.4	7.2	75	268	1.3	5.4	23
0.7	255	5.0	6.9	72	283	1.0	5.0	19
0.9	247	5.3	7.2	74	266	1.6	5.4	29
1.5	244	2.5	5.5	45	282	1.7	4.5	38
2.1	018	0.4	4.8	08	305	1.8	4.5	40
3.1	038	2.5	5.6	45	335	2.5	5.4	47
3.6	034	3.0	5.8	52	335	3.0	5.9	51
4.5	031	2.8	6.1	47	310	4.0	7.0	58
5.8	305	1.1	6.0	18	285	7.7	10.0	76
6.0	284	1.2	6.4	20	283	8.4	10.8	78
7.6	266	4.0	7.5	53	275	13.8	15.8	87
9.5	259	6.2	8.9	70	268	19.6	21.5	91
10.6	254	6.8	9.7	70	264	22.5	24.4	92
12.3	240	6.2	10.1	62	260	24.0	25.8	93
14.1	224	4.7	9.4	49	258	21.1	22.8	92
16.6	092	3.6	7.4	48	263	10.2	12.5	82
18.5	083	8.2	9.3	88	280	1.8	7.2	25
20.5	085	10.8	11.5	94	070	2.8	6.3	44
24.0	088	14.7	15.4	96	087	4.5	7.4	61
26.5	092	16.7	17.6	95	088	4.7	7.8	61
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : JODHPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	1.7	2.1	79	045	2.4	2.6	91
0.15	069	2.6	4.6	56	063	3.6	4.9	74
0.3	051	2.0	2.9	69	050	2.8	3.3	85
0.6	074	2.2	4.7	46	067	3.0	4.7	63
0.7	076	1.7	4.5	38	072	2.1	4.1	51
0.9	064	1.1	4.3	26	061	1.7	4.3	38
1.5	323	1.0	4.1	25	312	1.4	4.3	33
2.1	312	2.1	4.7	43	291	2.8	5.3	52
3.1	303	3.7	6.2	59	278	5.8	7.8	74
3.6	293	5.0	7.2	69	275	7.9	9.7	81
4.5	282	8.0	10.0	80	273	11.7	13.4	87
5.8	277	13.0	14.8	88	273	17.3	19.0	91
6.0	277	13.8	15.6	88	273	18.5	20.2	92
7.6	274	20.1	22.1	91	272	24.9	26.8	93
9.5	271	28.0	30.4	92	271	33.6	35.9	93
10.6	268	32.4	35.0	92	269	38.3	40.9	94
12.3	264	34.8	37.3	93	267	40.5	43.0	94
14.1	264	31.4	33.2	94	269	36.0	37.7	95
16.6	268	19.0	20.5	93	271	25.0	26.5	94
18.5	278	8.7	11.3	77	272	14.8	16.6	89
20.5	294	3.4	7.8	44	274	8.0	11.2	72
24.0	290	2.4	7.6	31	285	2.9	10.2	28
26.5	270	5.3	9.4	57				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	037	3.2	3.8	85	061	2.0	2.9	68
0.15	037	5.6	6.2	90	067	3.4	4.9	69
0.3	041	6.0	6.5	92	070	3.6	5.1	71
0.6	048	6.4	6.8	93	075	4.0	5.4	74
0.7	051	6.5	6.9	94	076	4.0	5.5	72
0.9	052	6.6	7.0	94	074	4.4	5.7	78
1.5	058	6.0	6.8	88	066	4.8	6.1	78
2.1	065	5.0	6.6	76	056	4.7	6.2	75
3.1	074	3.4	5.7	60	056	3.3	5.8	57
3.6	074	3.1	5.5	56	062	2.7	5.6	48
4.5	074	3.0	5.9	51	067	2.1	6.0	35
5.8	073	2.4	6.6	37	058	1.6	6.9	22
6.0	072	2.3	6.7	34	054	1.5	7.0	21
7.6	017	1.1	8.1	14	325	1.4	8.7	16
9.5	244	2.7	9.1	29	254	3.2	9.7	33
10.6	225	4.7	10.1	46	237	4.4	10.2	43
12.3	213	6.6	12.2	54	220	5.2	11.7	45
14.1	212	5.5	12.4	44	207	3.9	12.2	32
16.6	131	1.5	9.0	16	057	0.9	8.8	10
18.5	063	0.9	6.2	14	315	1.0	6.6	15
20.5	085	1.4	8.3	17	268	1.6	8.2	19
24.0	091	5.1	12.3	42	092	4.1	12.7	32
26.5	087	8.0	15.2	52	085	5.0	16.3	30
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	113	1.2	2.5	47	181	1.6	2.4	66
0.15	127	2.5	4.6	55	185	3.8	5.2	72
0.3	129	2.7	4.6	58	186	4.1	5.5	74
0.6	128	3.0	4.8	62	185	4.2	5.7	74
0.7	120	2.9	4.9	60	186	3.8	5.5	68
0.9	118	3.1	4.9	64	184	3.7	5.3	69
1.5	088	3.9	5.4	73	123	1.5	3.9	38
2.1	069	5.3	6.5	81	066	3.9	5.1	76
3.1	058	5.9	7.2	82	057	6.7	7.7	88
3.6	059	5.3	7.0	76	055	6.5	7.6	86
4.5	068	4.2	6.6	64	060	4.8	6.5	73
5.8	076	2.9	6.9	42	078	3.1	6.2	50
6.0	073	2.6	7.0	38	079	2.8	6.3	45
7.6	302	0.9	8.2	11	086	0.8	7.1	11
9.5	251	4.3	10.1	43	241	2.4	8.2	30
10.6	243	6.0	11.2	53	227	4.3	9.0	48
12.3	236	7.2	12.8	56	214	6.0	10.8	55
14.1	242	5.8	12.3	47	211	4.2	10.6	40
16.6	132	0.4	8.2	04	093	3.3	8.1	41
18.5	076	0.3	6.6	05	096	1.3	6.7	19
20.5	263	1.8	8.0	22	142	0.7	8.2	09
24.0	092	4.1	12.7	32	089	9.9	14.5	68
26.5	088	6.6	16.1	41	088	14.0	18.0	78
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	226	3.0	3.7	82	249	4.1	4.5	90
0.15	225	6.4	7.6	84	249	9.0	9.6	94
0.3	228	6.9	8.3	84	253	10.2	10.8	94
0.6	235	7.3	8.8	82	259	11.6	12.3	94
0.7	238	7.0	8.4	82	258	10.8	11.5	94
0.9	240	6.4	8.1	79	263	11.6	12.3	94
1.5	263	2.7	5.2	53	268	9.8	10.4	94
2.1	009	2.2	4.8	44	276	7.8	8.7	89
3.1	041	4.7	6.9	67	282	6.3	8.0	78
3.6	045	5.0	7.7	66	280	5.9	8.1	74
4.5	041	3.9	7.1	55	274	5.4	7.8	70
5.8	035	1.6	6.1	26	268	4.2	6.7	62
6.0	037	1.5	6.1	24	267	3.9	6.5	59
7.6	073	1.0	5.9	17	179	0.3	5.2	05
9.5	113	1.4	5.9	24	084	5.0	7.2	69
10.6	122	2.3	6.7	34	088	9.1	10.6	87
12.3	116	5.1	9.0	57	084	17.6	18.5	95
14.1	103	9.2	12.2	75	081	25.9	26.7	97
16.6	094	12.8	14.2	90	088	25.5	26.2	97
18.5	092	7.4	9.3	80	089	15.6	16.4	95
20.5	092	6.0	8.7	68	088	12.0	12.9	93
24.0	090	15.6	16.9	92	088	18.2	18.8	97
26.5	088	21.2	21.9	96	090	24.0	24.4	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	257	4.0	4.4	91	256	3.8	4.2	91
0.15	255	8.7	9.3	94	253	8.4	9.0	93
0.3	258	9.9	10.4	95	257	9.4	10.0	94
0.6	264	11.0	11.6	95	264	10.4	11.0	95
0.7	264	11.8	12.2	96	263	9.8	10.5	94
0.9	268	11.0	11.5	95	270	10.2	10.9	94
1.5	272	9.4	10.1	93	274	8.9	9.5	93
2.1	277	8.1	8.9	91	280	7.7	8.4	92
3.1	281	7.1	8.1	87	281	7.3	8.2	89
3.6	276	6.7	7.8	86	278	7.1	8.1	88
4.5	267	6.0	7.6	79	269	6.3	7.7	82
5.8	257	3.7	6.7	55	256	3.8	6.5	58
6.0	251	3.2	6.5	48	253	3.4	6.4	53
7.6	121	1.9	6.4	29	119	1.8	6.0	30
9.5	089	8.2	9.6	85	093	8.2	9.7	85
10.6	087	13.1	14.1	93	089	13.6	14.4	94
12.3	081	22.2	22.8	97	083	22.7	23.3	97
14.1	079	30.6	31.3	98	081	30.7	31.3	98
16.6	086	28.7	29.4	97	087	25.8	26.4	98
18.5	088	18.3	18.8	97	089	16.1	16.7	96
20.5	088	16.3	16.9	96	087	16.7	17.2	97
24.0	088	21.7	22.0	98	087	21.7	22.1	98
26.5	089	25.1	25.4	98	090	27.3	28.0	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	2.8	3.3	84	268	1.2	2.6	46
0.15	247	6.6	7.5	88	260	3.1	6.0	51
0.3	251	7.1	8.0	88	262	2.9	6.3	46
0.6	257	7.3	8.4	88	268	2.3	6.3	37
0.7	255	7.5	8.5	88	273	2.5	5.9	42
0.9	262	6.7	7.8	86	288	1.6	6.0	26
1.5	275	4.9	6.2	79	345	1.7	5.6	30
2.1	288	3.9	5.6	70	354	2.1	5.6	37
3.1	287	3.8	5.9	64	341	1.6	5.8	27
3.6	279	3.8	6.1	62	332	1.1	5.9	19
4.5	269	2.9	5.9	49	046	0.2	5.7	04
5.8	225	0.8	5.4	15	096	1.5	5.7	26
6.0	198	0.6	5.4	11	095	1.8	5.8	30
7.6	097	3.3	6.0	54	099	3.3	6.1	54
9.5	094	8.0	9.0	88	099	5.4	7.2	75
10.6	093	11.3	12.1	93	099	7.2	8.8	82
12.3	087	17.8	18.5	96	097	10.3	12.2	84
14.1	085	24.6	25.4	97	096	14.3	16.1	89
16.6	090	20.1	20.8	96	095	11.5	12.8	90
18.5	091	13.1	13.7	95	087	7.5	9.2	81
20.5	086	13.2	13.9	95	090	10.1	11.3	89
24.0	089	19.9	20.3	98	091	16.5	17.6	93
26.5	090	23.7	24.3	97	091	22.4	24.0	93
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KARAIKAL

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	014	2.0	3.4	59	027	3.6	4.5	81
0.15	011	3.6	6.2	58	026	6.4	7.4	87
0.3	019	4.0	6.6	60	031	7.0	7.9	89
0.6	034	4.5	7.2	63	040	7.7	8.5	91
0.7	047	4.7	7.1	66	043	7.4	8.3	89
0.9	040	4.9	7.5	65	046	7.8	8.6	90
1.5	044	4.6	7.4	62	057	6.7	7.9	85
2.1	049	3.9	7.1	54	066	5.5	7.0	79
3.1	066	2.8	6.4	44	077	4.5	6.3	70
3.6	074	2.6	6.3	41	080	4.3	6.2	70
4.5	083	3.0	6.4	47	080	4.5	6.5	70
5.8	082	4.0	7.0	57	078	4.6	7.1	65
6.0	082	4.2	7.1	59	077	4.4	7.1	62
7.6	085	4.3	7.2	59	068	2.4	7.3	34
9.5	106	4.0	7.0	58	208	1.4	8.3	17
10.6	120	5.1	7.9	64	196	4.1	9.6	43
12.3	126	7.1	10.3	69	197	6.3	11.8	53
14.1	122	7.2	11.3	64	213	6.1	12.2	50
16.6	096	5.7	8.6	66	132	1.1	8.1	14
18.5	085	4.1	7.0	58	088	3.7	7.0	52
20.5	090	6.2	9.1	68	088	3.4	7.7	44
24.0	093	11.2	15.8	71	091	7.9	13.6	58
26.5	092	16.2	21.6	75	083	3.9	14.6	26
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	001	0.5	0.7	71	350	0.3	0.9	35
0.15	002	3.0	4.8	62	332	1.7	4.8	34
0.3	357	3.1	5.0	62	323	1.9	5.2	36
0.6	342	3.2	5.1	62	307	2.5	5.4	46
0.7	333	3.9	5.3	72	300	2.5	5.1	49
0.9	323	3.8	5.5	69	297	3.2	5.5	59
1.5	305	6.6	7.8	84	288	5.7	7.1	80
2.1	297	8.7	9.8	89	287	8.5	9.7	88
3.1	286	12.0	13.1	92	284	12.0	13.0	92
3.6	282	13.8	14.8	93	281	13.6	14.6	93
4.5	276	17.2	18.3	94	276	17.3	18.3	94
5.8	273	22.4	23.7	94	271	22.4	23.7	94
6.0	272	23.5	24.9	94	271	23.4	24.7	94
7.6	268	30.3	32.0	95	268	30.0	31.8	94
9.5	265	37.7	39.6	95	265	37.1	39.4	94
10.6	262	40.1	42.1	95	262	39.9	42.4	94
12.3	257	40.9	42.7	96	260	40.1	42.4	95
14.1	257	35.9	37.3	96	260	33.9	35.7	95
16.6	262	22.8	23.9	95	263	23.0	24.2	95
18.5	268	13.2	15.1	87	267	13.0	14.9	87
20.5	273	8.3	11.5	72	275	8.0	11.2	71
24.0	273	5.5	10.9	51	272	4.1	9.7	42
26.5	261	8.1	13.0	63	277	5.4	9.9	55
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	206	0.5	1.2	39	181	1.6	2.2	74
0.15	248	2.5	5.3	47	202	4.7	6.4	74
0.3	256	3.0	5.8	52	211	5.5	7.2	76
0.6	264	3.7	6.3	58	228	6.1	8.0	76
0.7	271	3.8	5.9	65	234	6.0	7.4	81
0.9	271	4.2	6.3	67	243	5.8	7.7	76
1.5	278	5.3	6.7	80	265	5.5	6.9	80
2.1	282	7.6	8.7	87	278	6.2	7.2	86
3.1	286	11.5	12.4	92	286	9.3	10.2	90
3.6	286	12.7	13.7	93	288	10.8	11.9	91
4.5	283	14.3	15.3	94	288	12.4	13.6	91
5.8	276	17.4	18.5	94	281	13.5	14.9	90
6.0	275	18.1	19.2	94	280	13.8	15.3	90
7.6	270	23.3	25.1	93	271	18.0	19.8	91
9.5	266	30.0	32.5	92	266	23.8	26.1	91
10.6	263	33.6	36.0	93	263	27.4	29.7	92
12.3	259	35.3	37.3	95	261	29.1	31.4	93
14.1	261	30.8	32.3	95	261	24.1	25.7	94
16.6	263	19.8	21.1	94	265	13.6	15.5	87
18.5	270	11.3	13.4	84	280	4.6	8.8	52
20.5	284	5.1	9.6	54	003	1.3	7.3	18
24.0	283	3.9	10.0	39	020	1.2	7.1	16
26.5	274	8.0	12.8	62	300	0.7	8.3	08
31.0					258	6.6	13.2	50
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	172	1.7	2.3	73	164	1.3	2.1	64
0.15	188	4.9	6.6	74	184	3.9	6.2	64
0.3	196	5.8	7.6	77	193	4.8	7.2	66
0.6	210	6.8	8.6	79	206	5.7	8.4	67
0.7	214	6.4	8.3	77	208	6.1	8.7	70
0.9	221	6.7	8.5	78	216	5.4	8.5	63
1.5	243	5.1	7.4	69	229	4.2	7.9	53
2.1	277	4.9	7.1	69	251	3.1	7.4	42
3.1	299	7.5	9.1	82	284	3.0	7.7	38
3.6	301	8.9	10.3	86	286	2.9	7.8	36
4.5	298	9.6	11.1	87	278	2.3	7.6	30
5.8	287	8.4	10.4	81	226	1.4	6.8	21
6.0	284	8.4	10.5	79	211	1.4	6.8	21
7.6	270	10.2	12.5	82	163	1.8	6.8	26
9.5	261	12.9	15.3	84	132	2.9	7.3	40
10.6	255	13.8	16.0	86	118	4.1	8.2	50
12.3	249	13.9	16.4	85	104	5.9	9.8	60
14.1	245	11.4	14.3	79	087	8.5	12.1	70
16.6	223	2.1	8.9	23	081	13.8	15.2	91
18.5	083	4.4	7.9	55	081	15.9	16.6	96
20.5	081	7.4	8.6	87	085	15.6	16.0	97
24.0	086	9.3	10.2	91	088	18.2	18.6	98
26.5	093	9.3	10.4	90	090	21.1	21.4	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	164	1.2	2.0	61	143	1.0	1.9	54
0.15	189	3.6	6.1	60	163	2.8	5.8	48
0.3	198	4.1	6.9	60	170	3.1	6.5	47
0.6	211	4.8	7.9	60	182	3.2	7.3	44
0.7	207	4.5	7.6	59	195	3.5	7.2	48
0.9	217	4.6	7.9	58	184	3.1	7.4	42
1.5	219	3.9	7.5	52	176	2.7	7.3	37
2.1	218	3.2	6.9	46	169	2.5	7.0	35
3.1	213	2.4	6.6	37	159	2.4	6.9	35
3.6	206	2.2	6.5	34	151	2.6	6.8	39
4.5	177	2.2	6.3	35	140	3.2	6.9	46
5.8	143	2.9	6.4	46	127	4.2	7.0	60
6.0	138	3.2	6.5	49	125	4.3	6.9	62
7.6	115	4.9	7.2	67	113	5.6	7.5	75
9.5	100	8.4	9.5	88	099	8.4	9.5	88
10.6	092	10.7	11.7	91	093	10.4	11.4	91
12.3	081	14.8	15.9	93	083	13.7	14.8	92
14.1	076	19.4	20.6	94	074	17.1	18.4	93
16.6	078	24.3	25.1	97	078	22.0	22.6	97
18.5	082	22.8	23.3	98	083	20.8	21.2	98
20.5	083	21.3	21.6	99	084	19.7	20.0	98
24.0	087	24.5	24.9	98	087	24.3	24.5	99
26.5	089	28.1	28.4	99	090	27.5	27.8	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	144	0.9	1.6	55	046	0.3	0.9	27
0.15	173	2.5	5.2	48	358	0.8	4.3	18
0.3	181	2.9	5.9	49	001	0.8	4.7	16
0.6	191	3.1	6.5	48	353	0.7	5.0	14
0.7	186	2.9	6.6	44	001	0.9	4.4	20
0.9	190	3.0	6.6	46	357	0.8	4.9	15
1.5	184	2.4	6.3	39	342	0.8	5.1	16
2.1	182	2.1	6.1	34	285	0.7	5.3	13
3.1	186	2.4	6.0	40	239	2.0	5.8	35
3.6	187	2.5	6.0	41	237	2.8	6.0	46
4.5	182	2.8	6.1	45	245	3.8	6.7	57
5.8	167	2.3	5.8	40	252	5.1	7.8	66
6.0	165	2.3	5.8	40	251	5.4	8.0	68
7.6	142	2.4	5.9	41	253	7.1	9.6	74
9.5	119	3.4	6.6	52	252	9.1	11.8	78
10.6	105	4.5	7.7	58	250	10.0	13.0	77
12.3	092	6.3	9.9	63	248	10.4	14.0	74
14.1	081	8.3	11.5	72	243	8.8	13.2	66
16.6	086	11.8	12.9	91	223	2.3	7.7	30
18.5	081	12.4	12.9	96	076	2.3	6.1	38
20.5	085	13.7	13.9	98	082	5.9	7.3	81
24.0	089	18.3	18.7	98	088	9.5	10.2	93
26.5	092	22.0	22.4	98	091	11.4	12.4	92
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : KOLKATA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	004	0.6	0.8	76	003	0.6	0.7	85
0.15	006	3.2	4.7	69	007	3.9	4.9	80
0.3	007	3.5	5.0	69	005	4.1	5.1	79
0.6	008	3.4	5.0	67	359	4.0	5.1	78
0.7	001	3.0	4.6	66	356	4.0	4.8	84
0.9	001	3.2	4.9	65	345	4.0	5.3	76
1.5	340	2.8	5.1	56	321	4.9	6.3	78
2.1	312	2.9	5.4	53	304	5.9	7.4	80
3.1	277	4.7	7.0	68	286	8.7	10.1	86
3.6	273	6.2	8.1	76	282	10.2	11.5	89
4.5	270	8.4	10.1	83	278	12.8	14.1	91
5.8	269	11.3	13.1	86	274	17.1	18.5	93
6.0	269	12.0	13.7	87	274	17.9	19.2	93
7.6	267	16.6	18.4	90	270	23.4	24.9	94
9.5	262	22.3	24.2	92	266	30.4	32.1	95
10.6	259	25.1	27.0	93	262	33.8	35.8	94
12.3	254	26.8	29.2	92	256	36.3	38.3	95
14.1	256	23.3	25.1	93	256	32.2	33.5	96
16.6	264	12.1	13.9	87	262	19.8	21.0	94
18.5	280	5.0	7.9	63	269	11.1	12.8	86
20.5	291	1.6	5.9	27	281	5.9	8.8	67
24.0	090	0.8	6.3	13	280	3.9	8.7	45
26.5	108	0.7	7.5	10	271	4.8	10.4	47
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	314	0.8	1.6	50	320	1.2	2.0	59
0.15	325	3.1	5.2	58	326	3.3	5.8	57
0.3	326	3.1	5.3	59	327	3.4	5.9	57
0.6	317	3.3	5.7	59	317	4.0	6.5	61
0.7	312	3.8	5.8	65	311	3.5	6.0	58
0.9	307	4.1	6.2	67	305	4.9	7.0	69
1.5	297	5.8	7.2	80	295	6.6	8.2	80
2.1	292	7.4	8.6	86	291	8.5	9.8	86
3.1	285	10.1	11.3	89	285	11.0	12.5	88
3.6	284	11.8	13.0	91	282	12.6	14.1	89
4.5	280	15.6	16.8	93	280	15.6	17.1	91
5.8	277	21.9	23.4	94	277	21.3	22.9	93
6.0	277	23.0	24.6	93	277	22.7	24.4	93
7.6	274	31.3	33.2	94	275	29.5	31.8	93
9.5	272	41.2	43.7	94	273	38.2	41.1	93
10.6	270	45.1	47.8	94	272	42.6	45.5	94
12.3	269	45.8	48.6	94	270	43.4	46.1	94
14.1	269	40.5	42.4	95	270	38.1	40.3	94
16.6	269	27.7	29.5	94	270	26.2	27.7	95
18.5	274	17.3	19.8	87	272	17.9	19.6	91
20.5	277	13.3	16.4	81	276	13.4	16.0	84
24.0	282	12.1	16.6	73	282	6.5	16.3	40
26.5	278	16.5	20.4	81				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	312	1.2	2.1	61	329	0.7	2.0	35
0.15	322	4.1	6.6	61	327	2.6	6.8	38
0.3	323	4.2	6.7	62	327	2.6	6.9	38
0.6	318	5.2	7.6	68	316	3.5	7.3	47
0.7	312	6.1	7.6	80	312	3.4	6.6	51
0.9	308	6.2	8.3	75	309	4.7	7.6	63
1.5	298	8.0	9.7	83	302	7.2	8.8	81
2.1	293	9.8	11.1	88	296	9.3	10.6	88
3.1	287	11.8	13.0	90	290	11.8	13.0	90
3.6	285	12.8	14.0	91	289	12.6	13.9	91
4.5	282	14.8	16.2	92	287	13.2	14.7	90
5.8	279	18.2	19.6	93	283	14.5	16.1	90
6.0	278	18.9	20.4	93	283	15.0	16.5	90
7.6	276	23.6	25.6	92	279	18.1	19.9	91
9.5	275	30.6	33.5	91	275	23.3	25.9	90
10.6	274	34.7	37.8	92	274	27.5	30.6	90
12.3	271	36.8	39.7	93	272	29.8	32.9	90
14.1	271	33.1	35.4	93	270	26.7	29.0	92
16.6	271	22.4	24.6	91	269	17.9	20.4	87
18.5	276	14.3	16.2	88	279	9.6	12.7	76
20.5	279	9.0	13.1	69	292	5.1	9.6	52
24.0	280	7.1	11.1	64	289	3.7	9.2	40
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	055	0.5	2.3	21	085	0.9	2.2	42
0.15	079	0.9	6.8	13	099	1.8	6.4	28
0.3	077	0.9	6.9	14	099	1.8	6.5	28
0.6	313	0.5	7.4	07	135	1.1	7.1	15
0.7	309	0.6	7.0	08	128	1.2	6.5	19
0.9	296	2.1	7.2	30	238	0.6	7.1	08
1.5	301	5.0	7.5	67	294	2.5	7.4	34
2.1	300	7.8	9.3	84	305	4.1	7.9	51
3.1	299	10.7	11.9	90	312	5.7	8.9	64
3.6	298	11.4	12.6	90	312	5.8	9.0	65
4.5	297	11.6	13.0	89	307	5.2	8.5	61
5.8	291	11.6	13.2	88	290	4.3	8.1	54
6.0	290	11.9	13.5	88	287	4.1	8.0	51
7.6	283	13.7	15.6	88	273	4.6	9.1	51
9.5	275	17.9	20.2	89	265	5.8	10.4	56
10.6	271	20.2	22.6	89	259	6.0	10.5	57
12.3	266	21.8	24.1	90	257	5.6	10.7	53
14.1	262	18.6	21.0	89	256	3.8	10.4	37
16.6	263	9.2	12.8	72	072	3.0	9.6	31
18.5	326	0.3	8.5	03	082	9.4	11.1	85
20.5	087	3.6	8.1	44	087	11.5	12.4	93
24.0	082	5.1	8.0	64	091	15.5	16.2	96
26.5	083	3.8	7.3	52	094	16.7	17.1	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	106	0.7	2.1	34	089	0.9	2.1	42
0.15	123	1.5	6.0	26	100	2.2	6.2	35
0.3	123	1.6	6.1	26	101	2.2	6.2	35
0.6	149	1.4	7.1	20	108	2.4	7.2	34
0.7	143	1.8	7.0	26	104	1.7	6.5	26
0.9	157	1.1	7.5	14	107	2.6	7.4	35
1.5	137	0.5	7.6	07	095	2.8	7.5	38
2.1	53	0.6	7.6	08	092	3.0	7.5	40
3.1	43	0.8	7.2	11	096	2.9	6.9	41
3.6	62	0.8	6.8	12	098	2.7	6.6	41
4.5	93	1.0	6.3	17	103	2.8	6.2	44
5.8	106	2.0	6.2	33	104	3.3	6.1	53
6.0	109	2.2	6.2	35	107	3.4	6.0	57
7.6	111	3.1	6.6	47	105	4.0	6.4	62
9.5	103	4.6	7.4	62	103	4.9	7.1	69
10.6	097	5.2	8.1	65	101	5.7	7.9	72
12.3	093	6.9	9.8	70	094	6.7	9.6	70
14.1	087	8.8	11.7	75	086	7.9	10.6	74
16.6	081	14.0	15.6	90	080	13.1	14.5	90
18.5	083	16.5	17.3	95	085	15.8	16.6	95
20.5	090	16.7	17.3	97	089	15.8	16.3	97
24.0	091	20.9	21.4	98	093	20	20.8	96
26.5	093	22.7	23.4	97	092	21.7	22.3	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	075	0.5	1.9	28	312	0.1	1.0	08
0.15	073	1.2	5.6	21	314	0.3	4.3	08
0.3	074	1.2	5.7	21	318	0.4	4.4	09
0.6	074	1.2	6.4	19	318	1.1	4.4	24
0.7	080	2.0	6.0	33	320	1.1	4.0	29
0.9	061	1.2	6.7	17	319	1.9	4.7	41
1.5	033	1.4	7.2	20	318	3.4	5.8	59
2.1	019	1.8	7.3	25	315	4.4	6.9	63
3.1	017	1.1	6.6	17	310	4.6	7.1	65
3.6	032	0.6	6.3	09	301	4.7	7.2	65
4.5	191	0.6	6.0	09	286	5.5	8.0	69
5.8	233	1.8	6.4	28	276	8.6	10.7	80
6.0	233	1.9	6.4	30	275	9.3	11.3	82
7.6	246	3.0	7.0	43	272	14.2	16.2	87
9.5	251	4.5	8.0	56	265	20.1	21.8	92
10.6	247	5.2	8.9	58	264	22.9	24.5	93
12.3	246	5.8	10.2	56	261	24.1	25.9	93
14.1	246	4.0	9.7	41	260	21.0	22.6	93
16.6	078	2.4	7.8	31	264	11.6	13.7	84
18.5	085	6.8	8.5	81	275	3.8	7.8	49
20.5	090	9.6	10.5	91	062	1.3	6.8	20
24.0	093	14.1	14.6	96	082	4.4	8.2	53
26.5	098	16.2	16.8	96	101	3.9	8.7	45
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : LUCKNOW

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	314	0.5	1.0	51	309	0.9	1.3	65
0.15	326	1.8	4.0	45	324	2.8	4.7	60
0.3	327	1.9	4.1	45	324	2.9	4.8	60
0.6	323	2.3	4.2	53	320	3.2	5.1	62
0.7	327	2.2	3.9	56	318	3.4	4.5	74
0.9	319	2.8	4.5	61	312	3.7	5.4	68
1.5	311	3.8	5.6	69	304	5.0	6.5	76
2.1	310	5.0	6.7	74	301	6.4	7.7	83
3.1	301	6.4	8.0	79	294	8.5	9.8	87
3.6	297	7.4	9.0	83	290	9.9	11.2	89
4.5	289	9.7	11.2	87	285	12.9	14.3	90
5.8	282	14.0	15.6	90	280	18.4	19.7	93
6.0	282	14.9	16.5	90	279	19.5	20.8	93
7.6	278	21.6	23.4	92	276	26.7	28.2	95
9.5	273	29.0	31.4	92	274	35.3	37.3	95
10.6	270	32.9	35.2	93	271	39.4	41.6	95
12.3	267	35.3	37.5	94	268	42.1	44.2	95
14.1	267	32.1	33.9	95	269	37.1	38.6	96
16.6	270	20.6	22.3	92	270	26.3	27.5	95
18.5	275	11.5	14.0	82	275	15.9	17.9	89
20.5	284	6.2	11.1	56	280	11.5	14.4	80
24.0	286	7.9	12.5	63	289	11.5	16.5	70
26.5	282	6.3	13.5	46				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	074	1.6	2.3	68	129	1.1	2.1	54
0.15	081	2.8	4.3	66	140	2.2	4.2	53
0.3	087	3.2	4.6	70	140	2.6	4.4	60
0.6	092	3.6	4.8	75	143	3.0	4.7	64
0.7	090	3.5	4.8	74	142	2.7	4.7	58
0.9	090	3.7	5.1	73	141	2.8	4.8	59
1.5	073	3.3	5.3	63	101	1.6	4.8	32
2.1	049	2.5	5.4	46	019	1.4	5.3	27
3.1	343	1.7	5.7	29	315	2.8	6.2	45
3.6	316	2.2	6.3	36	304	3.6	6.8	54
4.5	294	3.8	7.4	51	289	5.1	8.2	62
5.8	283	6.2	9.2	67	283	7.7	10.4	74
6.0	281	6.7	9.7	69	282	8.1	10.9	75
7.6	276	10.1	12.8	79	280	11.7	14.3	82
9.5	269	13.8	16.1	86	270	15.3	17.7	86
10.6	264	15.3	17.5	87	263	16.6	18.8	88
12.3	256	16.2	19.0	85	257	16.4	18.8	87
14.1	250	14.3	17.4	82	254	15.1	17.9	84
16.6	259	6.0	10.0	60	269	7.6	11.7	65
18.5	285	2.0	6.8	29	274	3.7	7.8	48
20.5	105	0.2	7.1	03	293	2.5	7.1	36
24.0					026	0.6	8.5	07
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	179	1.7	2.2	78	186	2.7	3.1	87
0.15	185	3.6	4.6	79	190	4.9	5.7	87
0.3	184	3.9	4.8	82	191	5.3	6.1	88
0.6	182	4.1	5.0	81	191	5.5	6.3	88
0.7	181	3.7	4.9	76	189	4.9	5.8	85
0.9	175	3.5	4.8	73	188	4.7	5.6	83
1.5	135	2.1	4.3	47	163	2.3	4.2	55
2.1	057	2.0	4.8	41	080	1.6	4.3	36
3.1	360	3.3	6.1	54	027	3.6	5.9	61
3.6	346	3.3	6.2	53	013	4.1	6.4	63
4.5	318	3.5	6.5	53	356	3.3	6.1	54
5.8	294	4.9	8.3	58	310	2.8	6.7	41
6.0	291	5.2	8.7	60	305	3.0	7.1	42
7.6	279	8.9	11.9	74	276	5.9	10.2	57
9.5	270	13.6	16.0	85	265	11.0	14.2	77
10.6	263	15.9	18.4	87	257	13.3	16.3	82
12.3	258	16.7	19.4	86	249	14.8	17.7	83
14.1	259	14.8	17.7	84	249	12.2	15.3	79
16.6	266	7.4	11.2	66	253	3.3	9.7	34
18.5	270	3.4	7.2	47	126	0.6	6.2	10
20.5	279	2.1	7.4	28	020	0.1	6.1	01
24.0	073	3.5	7.2	49	073	4.3	8.7	49
26.5	063	3.5	8.3	43	080	7.9	10.9	72
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	204	2.8	4.0	71	251	4.3	5.3	80
0.15	209	5.2	6.9	75	251	7.2	8.7	83
0.3	212	5.7	7.6	75	255	8.1	9.7	83
0.6	218	5.8	8.3	71	264	9.6	11.3	84
0.7	227	5.3	7.7	69	262	9.0	10.9	83
0.9	224	5.3	8.2	65	272	10.2	12.1	85
1.5	249	2.6	6.2	42	281	9.5	11.3	84
2.1	335	1.8	5.2	34	285	7.3	9.4	78
3.1	012	4.1	6.4	64	291	4.7	8.0	59
3.6	014	4.9	7.0	69	295	4.2	8.0	53
4.5	015	5.4	7.8	70	296	3.6	7.9	45
5.8	018	3.5	7.0	50	295	2.3	6.9	33
6.0	015	3.3	7.1	46	296	2.0	6.8	30
7.6	338	2.0	7.6	27	039	0.8	5.9	14
9.5	268	2.6	7.5	35	085	5.0	7.2	69
10.6	245	3.0	7.8	38	086	7.8	9.4	83
12.3	209	3.7	9.2	40	085	12.8	14.2	90
14.1	157	4.6	10.6	43	086	19.4	20.7	94
16.6	106	9.2	12.2	76	092	25.0	25.8	97
18.5	097	8.5	9.9	85	090	18.4	19.0	97
20.5	088	6.8	8.0	85	088	14.6	15.7	93
24.0	092	12.7	13.4	95	091	19.6	20.2	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	254	4.6	5.3	87	256	4.4	5.0	87
0.15	254	7.7	8.6	89	256	7.4	8.4	89
0.3	258	8.7	9.6	90	260	8.4	9.3	90
0.6	266	10.3	11.3	91	269	9.8	10.9	90
0.7	269	10.8	11.7	92	270	9.6	10.7	90
0.9	273	11.4	12.5	92	277	10.6	11.7	91
1.5	283	11.7	12.6	93	288	10.7	11.6	93
2.1	285	10.6	11.4	93	290	9.7	10.6	92
3.1	284	8.7	10.0	87	287	8.0	9.0	89
3.6	282	8.0	9.6	83	286	7.5	8.7	86
4.5	279	6.3	8.5	74	284	6.0	7.8	76
5.8	280	3.4	7.1	48	285	3.2	6.7	48
6.0	282	2.9	6.9	41	288	2.6	6.6	40
7.6	076	1.9	6.6	28	082	1.6	6.3	26
9.5	085	8.1	9.8	83	090	7.9	9.4	84
10.6	086	12.2	13.4	91	089	11.4	12.3	92
12.3	084	19.3	20.1	96	086	18.3	19.0	96
14.1	082	27.1	27.9	97	082	25.8	26.4	97
16.6	087	32.9	33.4	98	087	29.3	29.7	98
18.5	088	23.5	23.8	99	089	20.9	21.2	98
20.5	087	20.9	21.2	98	087	18.9	19.2	98
24.0	091	24.3	25.4	96	088	22.4	22.8	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	245	2.7	3.7	72	021	0.8	2.9	29
0.15	246	4.7	6.5	73	035	1.2	5.1	23
0.3	249	5.0	6.9	72	045	1.4	5.4	25
0.6	258	5.1	7.4	70	058	1.7	5.8	30
0.7	262	5.5	7.9	69	058	2.4	6.0	39
0.9	268	5.2	7.6	68	060	2.3	6.2	37
1.5	287	4.8	7.4	65	053	2.8	6.5	44
2.1	297	4.5	7.3	62	046	2.8	6.4	44
3.1	304	3.7	6.8	55	042	2.3	6.2	36
3.6	305	3.1	6.5	47	049	2.0	6.1	33
4.5	304	1.8	5.9	30	071	1.6	5.7	28
5.8	017	0.5	5.7	10	093	1.9	5.8	33
6.0	039	0.7	5.7	13	095	1.9	5.8	33
7.6	090	3.0	6.1	48	109	1.9	6.1	31
9.5	096	6.1	7.6	81	121	2.6	6.6	39
10.6	096	8.8	9.6	92	126	3.3	7.7	43
12.3	092	13.7	14.7	93	129	5.3	10.1	52
14.1	090	19.4	20.3	96	122	7.5	11.8	63
16.6	092	21.5	22.0	98	103	9.5	11.5	82
18.5	087	15.5	15.9	97	094	7.7	8.8	87
20.5	088	15.9	16.2	98	083	9.6	10.4	93
24.0	088	20.9	21.3	98	090	15.1	15.9	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MACHILIPATNAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	047	3.1	3.9	80	060	3.0	3.5	86
0.15	051	5.0	6.3	80	064	5.1	5.9	87
0.3	057	5.4	6.6	82	070	5.5	6.2	88
0.6	066	5.9	7.1	84	076	5.7	6.4	89
0.7	068	5.8	6.8	85	074	5.3	5.9	90
0.9	068	6.0	7.2	83	076	5.6	6.3	89
1.5	066	5.2	6.9	76	072	4.7	5.9	81
2.1	065	4.0	6.1	66	077	3.5	5.5	64
3.1	070	2.7	5.5	49	057	2.0	5.4	38
3.6	072	2.4	5.6	42	043	1.6	5.7	27
4.5	067	1.7	5.7	30	358	1.3	6.1	22
5.8	044	1.1	6.2	17	294	2.4	7.2	33
6.0	032	1.1	6.3	17	290	2.8	7.5	37
7.6	293	1.7	7.0	24	277	6.2	10.0	62
9.5	253	5.1	8.7	59	268	11.5	14.2	81
10.6	238	7.1	10.4	68	259	13.6	16.5	82
12.3	221	9.2	12.7	73	247	15.6	18.5	84
14.1	220	7.7	12.0	64	247	14.4	17.5	82
16.6	174	1.3	7.9	17	253	5.6	10.1	55
18.5	106	2.7	6.7	41	180	0.4	6.7	06
20.5	088	4.2	7.1	59	081	1.6	6.3	26
24.0	089	9.2	11.7	78	076	3.8	9.0	43
26.5	096	11.8	14.1	83				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	066	1.4	2.0	68	027	1.1	1.6	72
0.15	060	2.7	4.4	62	019	2.9	3.9	73
0.3	060	2.7	4.5	60	016	2.9	4.0	72
0.6	067	2.5	4.8	52	013	2.5	4.2	61
0.7	084	2.8	4.8	58	014	2.2	4.3	52
0.9	082	2.6	4.9	52	025	1.9	4.4	44
1.5	104	3.1	4.7	67	089	1.9	4.7	41
2.1	107	3.2	4.9	66	103	3.4	5.1	65
3.1	087	1.8	5.2	34	089	2.4	5.2	47
3.6	069	1.6	5.6	28	057	1.6	5.6	28
4.5	044	1.2	5.9	20	358	1.1	6.4	18
5.8	341	1.2	6.9	17	314	2.1	7.2	29
6.0	328	1.3	7.1	18	310	2.2	7.4	30
7.6	295	4.0	9.3	42	292	4.6	9.8	47
9.5	272	7.3	11.5	63	275	7.8	12.3	64
10.6	261	8.8	12.8	68	265	9.0	13.2	68
12.3	251	9.3	14.1	66	261	9.0	14.2	64
14.1	251	7.4	13.5	55	260	7.5	13.4	56
16.6	257	1.7	9.9	17	276	1.9	9.1	21
18.5	108	0.7	6.6	10	306	1.1	7.0	15
20.5	080	1.2	7.7	15	279	1.9	7.5	25
24.0	105	4.7	10.7	44	106	1.9	9.6	19
26.5	087	1.5	12.5	12	048	1.5	12.8	11
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	017	0.6	0.9	67	008	0.5	1.0	47
0.15	007	2.0	3.1	64	356	1.8	3.2	56
0.3	003	2.1	3.3	63	348	1.9	3.3	58
0.6	357	1.7	3.3	51	332	2.1	3.4	63
0.7	001	1.4	3.2	44	330	2.0	3.2	62
0.9	002	1.5	3.7	41	327	2.0	3.6	56
1.5	049	1.3	4.8	28	345	1.7	4.1	40
2.1	089	3.3	5.5	59	059	2.3	4.8	49
3.1	084	5.3	6.8	78	080	5.7	6.7	85
3.6	081	4.9	6.9	71	078	6.4	7.5	85
4.5	073	2.8	6.5	43	077	4.7	6.7	70
5.8	031	1.4	6.9	20	071	1.7	5.8	29
6.0	019	1.4	7.1	20	066	1.3	6.0	22
7.6	298	3.8	9.1	41	293	2.0	8.0	25
9.5	273	8.0	12.4	65	268	5.9	10.8	55
10.6	266	9.6	13.7	70	260	7.8	12.1	64
12.3	263	10.4	14.8	70	248	9.4	13.2	71
14.1	263	9.2	13.9	66	248	7.9	12.2	65
16.6	273	2.9	9.3	31	147	1.1	8.3	14
18.5	230	0.1	6.7	01	104	3.1	7.3	43
20.5	253	1.4	7.7	18	122	1.7	7.8	21
24.0	096	4.3	10.3	42	092	8.5	11.8	72
26.5	095	6.9	13.2	53	092	12.5	15.7	80
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	333	0.6	1.5	38	248	1.6	3.0	54
0.15	334	2.0	3.9	51	252	3.2	5.8	55
0.3	328	2.3	4.1	56	255	4.0	6.4	62
0.6	315	3.0	4.5	67	267	6.0	7.7	77
0.7	309	3.0	4.3	69	267	5.9	7.5	79
0.9	308	3.5	5.0	70	274	7.7	9.0	85
1.5	307	3.0	5.0	59	279	8.9	10.1	88
2.1	346	1.5	5.1	30	279	8.6	10.1	85
3.1	073	3.7	6.6	57	278	7.2	9.8	74
3.6	075	4.9	7.3	67	278	6.5	9.6	68
4.5	075	5.2	7.7	67	277	5.2	8.8	59
5.8	075	3.4	6.9	49	269	3.9	7.2	54
6.0	075	3.2	6.9	46	266	3.6	6.9	52
7.6	060	1.6	6.9	23	224	0.5	5.9	08
9.5	185	0.2	6.7	02	095	4.5	6.8	67
10.6	196	1.1	6.9	16	092	7.5	9.3	81
12.3	170	3.0	8.4	35	092	14.2	15.6	91
14.1	140	5.7	10.7	53	093	23.0	24.1	96
16.6	106	11.0	13.0	85	098	27.9	28.8	97
18.5	102	9.0	10.4	86	099	17.9	18.8	95
20.5	101	6.9	9.4	73	095	14.1	15.1	94
24.0	096	12.5	13.8	90	097	16.2	17.3	93
26.5	090	15.5	17.1	91				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	265	2.4	3.2	75	275	2.0	2.6	78
0.15	273	5.2	6.7	78	282	4.5	5.8	78
0.3	275	6.1	7.4	82	284	5.4	6.6	82
0.6	281	8.1	9.0	89	289	7.7	8.5	90
0.7	279	8.5	9.4	91	288	7.4	8.2	90
0.9	285	9.7	10.5	92	293	9.3	10.0	93
1.5	289	10.7	11.4	94	293	10.2	10.7	95
2.1	289	10.2	10.9	94	293	10.0	10.6	94
3.1	288	9.0	9.9	90	291	9.0	9.9	91
3.6	288	7.8	9.1	86	291	8.1	9.1	88
4.5	288	5.9	7.8	76	289	6.3	7.7	82
5.8	280	3.5	6.5	54	283	3.4	6.0	57
6.0	278	3.1	6.4	48	284	3.0	5.8	51
7.6	094	1.0	5.7	17	074	0.9	5.2	17
9.5	093	6.5	8.2	80	096	6.0	7.6	79
10.6	096	10.8	11.9	90	098	10.4	11.5	91
12.3	094	20.1	20.9	96	095	19.8	20.7	96
14.1	092	31.8	32.6	97	092	30.6	31.4	97
16.6	097	34.5	35.2	98	097	30.2	30.9	98
18.5	097	21.1	21.9	97	097	19.0	19.6	97
20.5	094	18.2	18.9	96	093	18.3	19.1	96
24.0					092	20.5	21.0	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	313	0.6	1.5	39	096	0.4	1.2	32
0.15	319	1.8	4.0	44	075	0.6	3.3	20
0.3	314	2.2	4.3	51	062	0.4	3.5	11
0.6	309	3.6	5.4	67	335	0.4	4.0	11
0.7	299	3.9	5.3	73	215	0.5	4.1	13
0.9	306	4.6	6.2	75	348	0.5	4.6	11
1.5	302	5.0	6.6	76	076	1.1	5.3	21
2.1	298	4.2	6.4	65	083	2.0	5.8	35
3.1	295	2.9	6.0	49	083	1.9	5.6	34
3.6	290	2.7	5.8	46	086	1.5	5.5	27
4.5	287	2.0	5.4	37	092	1.1	5.3	20
5.8	285	0.4	4.8	09	089	1.7	5.1	33
6.0	343	0.1	4.7	02	088	1.8	5.2	35
7.6	095	2.7	5.2	51	093	2.6	5.5	46
9.5	099	6.7	7.9	85	105	3.4	6.3	53
10.6	101	10.0	10.7	93	112	4.7	7.6	62
12.3	099	15.6	16.4	95	118	7.6	10.9	70
14.1	098	23.0	23.9	96	116	11.2	14.2	78
16.6	101	22.0	22.6	97	105	10.5	12.4	85
18.5	099	13.5	14.3	94	096	7.3	8.7	83
20.5	091	13.0	14.1	92	094	8.3	9.8	85
24.0	098	16.8	17.6	95	097	12.2	13.5	91
26.5					100	12.8	14.8	86
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MANGALORE

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	088	1.0	1.6	60	085	2.1	2.5	84
0.15	085	2.1	3.9	55	089	4.1	5.2	78
0.3	085	2.3	4.2	55	090	4.3	5.5	78
0.6	091	2.6	4.8	54	095	4.6	6.0	76
0.7	086	3.2	4.8	66	099	4.7	5.8	82
0.9	093	3.0	5.3	57	099	4.5	5.9	77
1.5	096	3.7	5.7	65	108	3.9	5.2	76
2.1	097	3.8	5.7	67	105	3.6	5.0	71
3.1	091	3.4	5.8	59	093	3.1	5.3	58
3.6	090	3.2	5.8	56	089	3.0	5.5	54
4.5	089	3.4	6.2	55	087	2.8	6.0	48
5.8	081	4.3	7.1	59	080	2.1	6.8	31
6.0	082	4.3	7.2	59	077	2.0	6.9	29
7.6	078	3.3	7.4	45	315	1.4	7.9	17
9.5	136	1.3	7.0	18	264	5.2	10.3	51
10.6	180	3.2	7.7	41	247	7.4	12.0	62
12.3	176	6.4	10.3	62	233	9.6	14.5	66
14.1	169	5.5	10.4	53	244	9.4	13.9	67
16.6	108	3.9	7.9	49	257	2.5	9.5	26
18.5	096	4.8	7.5	65	091	3.0	7.6	39
20.5	095	5.1	8.2	62	098	3.9	7.8	49
24.0	098	10.1	13.3	76	098	4.4	11.4	38
26.5	103	10.3	15.0	68	085	2.4	13.8	17
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	023	1.3	1.8	71	004	1.4	1.8	79
0.15	027	2.4	3.5	67	006	2.6	3.5	75
0.3	033	2.6	3.7	70	013	2.7	3.6	74
0.6	047	2.9	4.0	74	030	2.6	3.7	71
0.7	059	3.4	4.3	80	043	2.7	3.8	70
0.9	064	3.5	4.4	78	063	2.8	4.1	69
1.5	081	4.4	5.5	79	090	4.6	5.8	79
2.1	085	3.8	5.4	70	092	4.6	6.1	76
3.1	089	2.8	5.5	50	096	2.9	5.5	53
3.6	089	3.0	5.7	52	093	2.7	5.7	47
4.5	087	4.0	6.5	61	086	3.1	6.4	48
5.8	083	4.9	7.9	62	082	3.7	7.8	47
6.0	082	4.9	8.1	61	081	3.7	7.9	46
7.6	074	3.7	8.8	42	064	3.0	9.2	32
9.5	130	1.9	9.0	21	123	1.2	9.8	12
10.6	164	3.2	10.1	31	162	2.7	10.4	26
12.3	170	4.4	12.3	36	162	4.0	12.6	32
14.1	172	2.7	13.3	20	151	3.3	13.4	24
16.6	088	2.4	9.9	24	070	2.5	9.5	26
18.5	063	1.1	8.0	14	027	0.4	7.8	06
20.5	091	2.2	11.2	19	261	0.9	11.4	08
24.0	103	6.6	15.3	43	110	2.6	15.8	16
26.5	085	5.5	17.9	30	084	2.9	19.2	15
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	342	1.2	1.7	70	314	1.7	2.4	73
0.15	344	2.3	3.4	66	315	3.0	4.2	72
0.3	351	2.3	3.6	64	316	3.1	4.3	71
0.6	010	2.0	3.5	56	320	2.6	4.1	63
0.7	030	2.1	3.7	56	329	2.2	4.2	52
0.9	058	2.0	3.9	52	329	1.6	3.9	41
1.5	087	4.9	6.0	81	064	2.1	4.4	47
2.1	088	6.8	7.9	87	078	4.7	6.0	79
3.1	089	6.0	7.4	81	083	6.7	7.6	87
3.6	091	4.9	6.7	73	082	6.0	7.3	82
4.5	088	4.4	6.5	68	086	4.4	6.3	69
5.8	078	4.5	7.4	61	085	3.3	6.4	51
6.0	077	4.3	7.4	58	085	3.2	6.6	49
7.6	058	1.9	8.1	23	081	1.6	7.3	23
9.5	239	1.7	9.8	17	221	1.3	8.0	16
10.6	232	3.1	10.6	29	213	2.8	8.9	31
12.3	227	3.3	12.1	27	191	3.8	10.6	36
14.1	243	3.1	12.3	25	167	2.8	10.9	25
16.6	088	2.4	9.0	26	095	3.9	8.5	45
18.5	074	2.1	8.5	25	082	0.8	8.3	09
20.5	233	0.8	10.4	08	210	1.1	11.1	10
24.0	101	1.8	15.9	11	096	5.6	17.6	32
26.5	102	3.9	18.3	21	084	7.4	19.8	37
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	288	3.2	3.9	84	271	6.1	6.5	93
0.15	291	4.9	5.9	83	271	8.5	9.0	94
0.3	292	5.1	6.1	84	272	9.2	9.8	94
0.6	294	5.2	6.2	83	275	10.5	11.1	94
0.7	292	5.4	6.4	84	275	11.1	11.9	94
0.9	294	5.2	6.3	82	278	11.8	12.4	95
1.5	299	3.8	5.8	65	283	12.5	13.2	95
2.1	330	1.9	5.8	32	284	11.6	12.4	94
3.1	051	1.9	6.9	27	279	9.7	10.8	90
3.6	063	2.0	7.2	28	277	9.1	10.3	88
4.5	057	1.0	6.7	16	274	8.0	9.5	84
5.8	035	0.3	6.4	05	270	6.3	8.6	73
6.0	056	0.3	6.5	04	270	5.9	8.4	70
7.6	149	0.5	6.4	07	263	1.1	6.9	17
9.5	112	1.4	6.2	23	081	6.2	9.2	67
10.6	110	2.8	7.4	37	081	10.5	12.5	84
12.3	106	6.7	10.5	63	084	19.0	20.6	92
14.1	099	11.8	14.9	79	088	30.7	31.6	97
16.6	096	11.6	13.8	84	095	24.5	25.6	96
18.5	090	6.1	9.9	61	093	11.6	13.5	86
20.5	103	5.1	11.7	43	094	10.6	13.2	80
24.0	090	13.3	19.2	69	092	19.9	21.7	91
26.5	090	16.9	21.3	79	091	25.6	27.3	94
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	277	5.9	6.4	91	286	5.2	5.7	91
0.15	279	8.3	9.0	93	289	7.6	8.2	93
0.3	280	9.2	9.9	93	289	8.3	8.8	94
0.6	282	10.7	11.4	94	291	9.5	10.0	94
0.7	283	12.5	13.2	95	293	10.4	10.9	95
0.9	286	12.4	13.0	95	294	10.6	11.2	95
1.5	292	13.8	14.4	96	297	11.4	12.0	95
2.1	292	13.0	13.5	96	296	10.7	11.3	95
3.1	286	9.8	10.5	93	290	8.6	9.3	92
3.6	283	8.4	9.2	91	286	7.3	8.2	88
4.5	279	6.1	7.6	80	280	5.5	7.1	77
5.8	271	3.8	6.9	55	267	2.8	6.0	48
6.0	266	3.3	6.9	48	267	2.2	5.9	37
7.6	113	2.4	6.8	35	101	2.4	6.4	37
9.5	091	9.5	10.8	87	095	8.7	10.4	84
10.6	088	14.1	15.4	91	095	13.6	14.9	91
12.3	088	23.6	24.5	96	092	23.9	24.9	96
14.1	088	36.4	37.0	98	091	35.4	36.2	98
16.6	094	25.0	26.1	96	094	21.7	22.8	95
18.5	094	15.5	16.4	95	093	14.3	15.1	95
20.5	092	15.1	16.0	94	093	14.3	15.8	91
24.0	092	23.3	24.3	96	094	20.4	21.4	95
26.5	092	29.4	30.0	98	094	25.5	26.3	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	296	4.2	4.7	89	285	2.5	3.3	76
0.15	299	6.2	6.8	91	286	3.9	5.3	74
0.3	300	6.5	7.1	92	287	4.1	5.5	74
0.6	302	6.9	7.5	92	290	4.2	5.8	72
0.7	301	7.5	8.1	93	286	4.8	6.7	72
0.9	302	7.4	8.0	92	291	4.1	6.0	67
1.5	300	7.4	8.0	92	292	3.3	6.2	54
2.1	296	6.9	7.7	89	294	2.8	6.3	44
3.1	289	6.1	7.2	84	293	2.7	6.2	43
3.6	286	5.6	7.0	80	289	2.4	5.9	40
4.5	284	4.1	6.0	67	283	1.5	5.5	27
5.8	300	0.9	5.1	18	070	0.4	5.2	07
6.0	308	0.5	5.0	10	083	0.7	5.2	13
7.6	096	3.6	6.4	56	095	2.6	5.6	46
9.5	102	8.5	9.6	88	104	5.4	7.2	75
10.6	100	12.4	13.4	93	104	8.4	9.9	84
12.3	096	19.8	20.6	96	098	13.4	15.4	87
14.1	095	27.5	28.4	97	103	16.2	18.3	88
16.6	098	15.8	17.1	92	096	8.7	11.0	79
18.5	094	10.7	11.9	89	092	6.0	9.1	66
20.5	093	11.7	13.7	85	097	9.8	12.8	76
24.0	097	16.0	17.7	90	100	15.1	17.9	85
26.5	095	19.1	20.8	92	102	15.7	19.7	79
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MINICOY

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	302	0.8	2.1	41	037	0.9	1.8	50
0.15	313	1.6	4.0	39	038	1.8	3.6	50
0.3	319	1.5	4.2	36	043	2.1	3.9	54
0.6	333	1.4	4.4	32	054	2.5	4.3	59
0.7	356	1.6	4.4	36	066	2.5	4.5	55
0.9	360	1.1	4.6	24	068	3.2	4.8	66
1.5	044	1.4	5.1	26	076	3.7	5.5	68
2.1	056	1.5	5.5	27	081	3.3	5.3	61
3.1	041	0.7	5.2	14	090	2.9	5.4	54
3.6	062	0.5	5.2	10	092	3.4	5.6	60
4.5	089	1.4	5.4	25	092	4.4	6.5	68
5.8	082	3.0	6.4	47	091	5.2	7.4	70
6.0	082	3.2	6.5	49	091	5.3	7.6	70
7.6	085	3.9	6.8	57	087	4.2	7.7	55
9.5	102	4.3	7.4	58	135	2.9	8.2	35
10.6	118	5.7	8.8	65	159	4.3	9.3	46
12.3	123	8.1	11.8	69	170	5.2	11.5	45
14.1	129	6.6	11.4	58	197	4.0	11.8	34
16.6	100	5.7	8.8	65	084	2.5	8.5	30
18.5	090	4.4	7.9	55	086	3.8	8.6	44
20.5	100	7.6	11.8	64	102	3.1	10.4	29
24.0	103	11.5	17.4	66	104	3.7	15.0	24
26.5	104	8.7	19.5	44	100	2.9	16.8	17
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	048	0.6	0.7	82	047	1.2	1.3	88
0.15	046	3.2	3.7	87	047	3.8	4.4	86
0.3	046	3.2	3.7	86	047	3.8	4.4	85
0.6	046	2.4	3.1	78	052	2.9	4.0	73
0.7	050	2.1	2.9	73	055	2.4	3.6	66
0.9	049	1.7	2.7	62	063	1.5	3.4	46
1.5	097	0.6	2.8	21	208	1.6	3.6	43
2.1	191	0.9	3.4	27	225	3.3	4.8	69
3.1	227	2.2	4.9	45	239	5.3	6.8	78
3.6	246	3.6	6.1	58	246	6.5	8.0	81
4.5	262	9.8	11.9	82	259	11.5	13.0	89
5.8	268	18.5	20.1	92	265	18.8	20.4	92
6.0	269	19.8	21.3	93	266	19.7	21.3	93
7.6	270	29.0	30.6	95	268	26.2	27.8	94
9.5	268	40.6	42.9	95	266	38.0	39.9	95
10.6	265	46.5	48.9	95	266	44.5	46.8	95
12.3	262	48.1	50.7	95	266	47.4	49.4	96
14.1	261	46.1	47.9	96	266	42.9	44.2	97
16.6	265	32.3	33.8	95	269	28.9	30.5	95
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	047	1.7	1.9	91	047	1.8	2.0	87
0.15	046	4.5	5.1	88	049	4.4	5.1	86
0.3	046	4.5	5.1	88	049	4.4	5.2	86
0.6	053	3.9	4.9	80	059	4.0	5.0	81
0.7	065	3.1	4.6	66	068	3.1	4.2	74
0.9	068	2.4	4.3	54	073	2.5	4.3	58
1.5	210	2.1	4.4	48	201	1.7	4.4	39
2.1	231	4.9	6.1	80	229	4.4	5.9	75
3.1	243	7.8	8.8	89	245	7.1	8.3	86
3.6	248	8.6	9.6	90	249	7.6	8.9	86
4.5	258	11.3	12.5	90	255	8.6	10.2	84
5.8	267	16.0	17.6	91	264	9.7	12.1	80
6.0	268	16.6	18.3	91	265	9.8	12.2	80
7.6	269	21.6	23.3	92	270	13.0	15.6	83
9.5	266	31.2	33.5	93	268	20.7	23.0	90
10.6	264	36.8	39.2	94	267	26.7	29.0	92
12.3	263	41.0	43.1	95	267	32.2	34.5	94
14.1	264	37.9	39.4	96	269	29.9	31.7	94
16.6	266	27.1	28.5	95	269	18.9	20.6	92
18.5	266	13.1	15.2	87	278	8.2	10.8	76
20.5	277	5.7	8.5	67	027	2.4	7.1	34
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	044	1.3	1.6	81	052	1.1	1.5	72
0.15	047	3.4	4.3	80	052	2.5	4.0	63
0.3	050	3.4	4.4	79	056	2.5	4.1	61
0.6	061	2.8	3.9	70	083	1.6	4.1	39
0.7	071	2.6	3.8	68	105	1.7	3.8	43
0.9	076	1.8	3.6	48	150	1.1	4.1	28
1.5	199	1.5	3.9	38	212	2.8	4.8	58
2.1	222	3.0	4.8	62	222	3.8	5.6	68
3.1	236	4.6	6.2	73	229	4.7	6.4	74
3.6	239	5.0	6.6	76	231	4.7	6.4	74
4.5	245	5.3	7.2	74	235	5.3	7.2	73
5.8	252	7.0	9.4	75	244	5.9	8.1	72
6.0	253	7.6	10.0	76	245	6.0	8.2	73
7.6	258	10.5	12.9	81	255	6.8	8.9	76
9.5	258	16.9	18.9	89	256	7.4	9.7	77
10.6	259	21.4	23.1	93	260	8.2	10.5	78
12.3	260	24.6	26.2	94	267	9.1	12.5	73
14.1	265	22.4	24.1	93	282	8.8	12.6	70
16.6	274	11.9	15.0	79	344	4.3	9.3	46
18.5	291	3.0	8.6	35	064	8.8	10.8	81
20.5	079	2.0	7.0	28	083	11.1	11.8	94
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	060	0.7	1.4	50	061	0.6	1.3	42
0.15	079	1.3	3.8	34	070	1.4	3.6	39
0.3	085	1.3	3.9	32	070	1.4	3.7	39
0.6	168	1.3	4.6	27	105	0.8	4.0	20
0.7	173	1.4	4.5	31	127	0.9	3.9	24
0.9	204	2.1	5.0	42	164	0.7	4.1	17
1.5	221	3.7	5.7	65	211	1.5	4.2	34
2.1	227	4.3	6.1	71	215	1.9	4.4	43
3.1	233	4.2	6.1	69	212	2.3	4.7	48
3.6	233	3.9	6.0	66	209	2.3	4.7	48
4.5	234	3.9	6.3	61	204	2.1	4.9	42
5.8	245	2.9	6.3	46	207	1.4	5.1	27
6.0	249	2.6	6.3	42	207	1.3	5.2	24
7.6	271	1.4	5.9	24	179	0.3	5.7	06
9.5	349	0.8	6.7	13	072	1.3	6.7	20
10.6	022	1.5	7.4	21	055	2.0	7.8	26
12.3	038	3.9	9.8	39	047	4.0	9.6	42
14.1	041	6.8	12.0	56	047	6.8	11.6	59
16.6	060	11.6	14.3	81	065	12.1	14.4	84
18.5	074	15.8	17.4	91	078	16.0	16.7	96
20.5	081	17.5	18.3	96	083	16.2	16.8	96
24.0					085	19.9	20.2	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	050	0.9	1.2	71	046	0.9	1.1	86
0.15	051	2.4	3.5	68	045	3.4	4.0	86
0.3	053	2.3	3.5	67	046	3.4	4.0	85
0.6	074	1.6	3.5	45	048	2.5	3.5	72
0.7	083	1.2	3.4	36	054	2.5	3.4	73
0.9	109	0.8	3.5	23	051	1.7	3.1	55
1.5	198	1.5	3.9	38	103	0.5	3.0	17
2.1	210	2.3	4.2	54	200	1.3	3.5	37
3.1	221	3.4	5.2	67	224	3.0	4.7	63
3.6	223	3.5	5.2	67	231	3.5	5.2	67
4.5	233	3.9	5.7	68	247	5.8	7.2	80
5.8	249	4.6	6.5	70	256	10.5	11.8	89
6.0	249	4.5	6.6	69	257	11.4	12.5	91
7.6	259	4.7	7.0	66	261	15.7	16.9	93
9.5	261	5.0	8.2	61	262	20.7	22.1	93
10.6	268	5.3	9.3	57	263	22.8	24.4	93
12.3	282	6.2	11.3	54	264	24.6	26.2	94
14.1	295	5.0	11.5	43	265	22.5	24.0	94
16.6	344	2.5	8.8	28	269	12.8	14.7	87
18.5	074	5.7	8.6	66	269	4.4	8.0	55
20.5	088	7.1	8.2	87	112	0.1	5.6	01
24.0	085	14.2	14.5	98	082	4.8	7.9	60
26.5	093	14.2	14.5	98	102	4.7	7.5	63
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MOHANBARI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	0.7	0.8	89	048	0.5	0.6	86
0.15	043	3.9	4.2	92	044	3.5	3.9	91
0.3	043	3.9	4.2	92	043	3.5	3.9	91
0.6	041	3.4	3.8	90	040	3.0	3.5	88
0.7	044	3.5	3.8	90	043	3.2	3.6	89
0.9	044	2.9	3.4	86	045	2.6	3.3	81
1.5	068	1.9	2.9	63	068	1.7	3.0	57
2.1	120	0.9	2.9	29	110	1.0	3.1	34
3.1	212	1.1	3.7	30	192	0.9	4.2	20
3.6	240	2.3	4.6	50	248	2.1	5.4	38
4.5	255	6.7	8.8	77	266	8.5	10.9	78
5.8	264	14.4	15.8	91	270	16.6	18.3	90
6.0	265	15.5	16.9	92	270	17.8	19.4	92
7.6	267	22.1	23.9	93	271	26.1	27.7	94
9.5	266	32.0	34.0	94	268	38.9	40.8	95
10.6	266	36.4	38.5	94	267	44.4	46.3	96
12.3	266	40.1	42.6	94	266	47.4	49.3	96
14.1	268	36.2	38.1	95	265	43.4	44.8	97
16.6	269	22.9	24.5	93	268	29.1	30.1	97
18.5	274	11.8	13.4	88	272	19.2	20.0	96
20.5	276	6.6	8.5	77				
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	045	0.4	0.6	76	015	0.5	0.6	74
0.15	031	3.6	4.5	79	013	4.1	5.1	79
0.3	034	3.7	4.9	75	014	4.4	5.6	78
0.6	036	2.8	4.8	59	012	3.9	5.6	69
0.7	050	2.4	4.4	54	019	3.4	5.2	64
0.9	036	1.5	4.4	34	002	2.9	5.3	56
1.5	187	1.4	4.6	31	277	1.5	5.3	28
2.1	202	2.8	5.6	50	225	3.2	6.3	50
3.1	262	4.3	7.2	59	250	4.5	8.1	55
3.6	273	6.1	8.6	71	266	6.1	9.2	67
4.5	274	9.1	11.1	82	274	9.5	11.7	81
5.8	273	13.0	14.9	87	274	13.5	15.6	86
6.0	272	13.8	15.8	87	274	14.3	16.4	87
7.6	270	19.2	21.2	90	272	19.4	21.7	89
9.5	265	24.3	26.7	91	268	24.9	27.5	91
10.6	261	25.9	28.3	91	265	26.4	28.9	91
12.3	258	26.1	28.5	92	261	25.6	28.0	91
14.1	259	23.3	25.2	92	260	22.3	24.4	91
16.6	262	13.5	15.4	87	261	12.9	15.1	85
18.5	264	6.7	9.3	71	261	6.9	9.5	73
20.5	281	1.6	7.5	22	259	3.1	8.3	37
24.0	270	1.0	8.2	12	277	1.3	8.9	14
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	004	0.4	0.5	77	007	0.1	0.3	34
0.15	005	3.8	4.7	81	357	2.3	3.7	63
0.3	005	4.5	5.4	82	352	2.8	4.4	65
0.6	004	4.6	5.8	79	342	3.5	5.1	69
0.7	009	4.6	5.7	80	345	3.8	5.1	75
0.9	001	4.5	6.0	74	340	4.3	5.8	73
1.5	332	3.2	5.9	54	332	4.5	6.5	69
2.1	262	2.5	6.1	42	301	3.2	6.6	49
3.1	221	3.9	7.0	55	211	3.3	6.7	48
3.6	230	4.1	7.5	55	201	3.8	7.0	54
4.5	264	5.6	8.5	66	228	3.2	7.0	46
5.8	275	9.7	11.9	81	278	5.6	8.6	65
6.0	275	10.3	12.6	82	280	6.2	9.1	68
7.6	274	14.7	17.2	86	274	10.4	13.4	78
9.5	270	20.8	23.6	88	267	16.1	19.4	83
10.6	267	23.1	26.0	89	262	18.6	21.8	85
12.3	264	23.7	26.4	90	257	19.7	22.4	88
14.1	262	20.6	22.7	91	257	16.1	18.6	87
16.6	262	10.7	13.0	82	258	5.9	10.1	59
18.5	260	5.3	8.5	63	114	0.3	6.6	05
20.5	267	2.3	6.8	34	072	1.7	6.3	27
24.0	343	1.4	7.3	19	063	4.1	7.5	54
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	235	0.5	0.7	70	233	1.8	2.5	75
0.15	285	1.6	3.6	43	240	4.1	6.0	68
0.3	282	2.0	4.2	48	240	4.8	6.7	71
0.6	281	2.5	4.4	56	242	5.6	7.4	76
0.7	282	2.7	4.7	58	253	5.7	7.8	73
0.9	291	3.1	5.1	61	245	6.2	7.9	78
1.5	310	4.2	6.3	67	249	5.9	8.2	73
2.1	312	3.6	6.4	57	252	4.5	7.8	58
3.1	247	1.1	6.0	18	263	2.2	7.7	29
3.6	195	1.1	5.9	18	272	1.3	7.5	18
4.5	189	0.1	5.8	02	307	0.6	7.1	08
5.8	345	2.7	6.7	40	026	0.6	6.3	10
6.0	342	3.0	7.0	43	028	0.6	6.2	10
7.6	306	4.0	8.9	45	077	1.6	5.9	27
9.5	273	6.1	10.5	58	092	3.8	6.9	55
10.6	261	7.3	11.2	65	091	5.5	8.4	65
12.3	244	7.7	11.8	65	094	9.3	12.0	77
14.1	223	6.0	10.9	55	095	14.6	16.8	87
16.6	119	4.4	9.1	49	088	20.8	21.9	95
18.5	093	7.1	8.7	81	083	17.6	18.3	96
20.5	078	8.4	9.4	89	079	16.4	17.0	96
24.0	084	12.5	13.1	95	083	19.6	20.2	97
26.5					083	22.0	22.9	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	247	3.2	3.6	88	258	2.8	3.1	90
0.15	248	7.2	8.2	87	258	6.6	7.4	90
0.3	249	8.2	9.2	89	257	7.5	8.3	91
0.6	250	9.4	10.2	92	257	8.5	9.2	93
0.7	256	10.0	10.7	93	263	8.3	8.9	93
0.9	253	10.0	10.8	93	258	9.0	9.6	94
1.5	253	9.7	10.4	93	258	8.9	9.5	93
2.1	251	8.8	9.7	91	258	8.0	8.8	91
3.1	263	7.3	8.8	83	272	6.5	8.0	81
3.6	270	6.1	8.1	75	282	5.5	7.4	75
4.5	281	4.1	7.1	58	297	3.8	6.3	60
5.8	305	1.6	5.6	28	333	1.8	5.2	36
6.0	323	1.1	5.4	20	345	1.7	5.1	33
7.6	076	2.6	5.4	47	062	2.8	5.2	53
9.5	084	7.4	8.6	86	082	7.2	8.1	88
10.6	084	11.0	11.8	93	085	10.5	11.2	93
12.3	085	18.3	19.0	96	087	17.2	17.9	96
14.1	084	25.9	26.8	96	086	24.6	25.5	96
16.6	086	29.4	30.3	97	088	27.0	27.9	97
18.5	080	23.0	23.7	97	081	21.0	21.6	97
20.5	079	21.0	21.7	97	081	20.6	21.1	97
24.0	082	23.4	24.2	97	085	23.7	24.8	96
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	267	0.6	0.9	68	083	0.3	0.4	58
0.15	288	1.7	4.3	40	039	2.7	4.3	63
0.3	282	2.1	4.9	43	042	2.9	4.9	60
0.6	274	2.9	5.3	55	048	2.6	5.2	50
0.7	276	3.3	5.7	59	064	2.6	5.3	48
0.9	274	3.1	5.6	55	053	2.8	5.6	50
1.5	270	2.4	5.9	41	060	3.2	5.9	54
2.1	259	1.4	5.7	25	067	3.1	5.6	55
3.1	254	0.6	5.6	11	072	2.3	5.4	42
3.6	279	0.6	5.4	12	062	1.8	5.4	34
4.5	289	0.7	4.9	13	027	1.6	5.7	28
5.8	357	0.9	4.8	18	357	1.9	6.2	31
6.0	010	1.0	4.7	21	355	2.0	6.3	31
7.6	065	2.1	4.9	42	310	1.9	6.7	28
9.5	086	4.7	6.5	72	252	3.4	7.7	44
10.6	093	6.5	8.1	80	235	4.5	8.7	52
12.3	098	10.0	11.7	86	212	6.1	10.6	57
14.1	098	14.8	16.3	91	191	5.6	11.3	49
16.6	089	16.4	17.2	95	108	4.2	8.3	51
18.5	081	13.2	13.8	95	081	5.9	7.4	79
20.5	080	15.2	15.7	97	078	8.4	9.4	89
24.0	084	18.8	19.3	97	081	12.8	13.5	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : MUMBAI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	071	0.8	0.9	84	071	0.8	0.9	85
0.15	059	4.2	5.3	79	059	4.0	4.9	82
0.3	062	4.4	5.6	77	065	4.2	5.3	79
0.6	072	4.0	5.7	70	080	3.5	5.2	67
0.7	080	4.3	5.6	77	092	3.7	5.1	72
0.9	079	3.8	5.6	67	096	2.9	4.8	59
1.5	095	2.8	4.8	59	136	2.3	4.4	52
2.1	107	2.1	4.5	47	161	1.7	4.6	38
3.1	063	1.0	5.3	19	271	1.4	5.7	25
3.6	023	1.1	5.8	18	281	2.6	6.6	39
4.5	338	1.7	6.9	25	278	4.7	8.0	60
5.8	300	3.2	8.1	40	269	7.8	10.5	74
6.0	296	3.7	8.3	44	268	8.5	11.1	77
7.6	276	6.8	10.6	64	264	13.0	15.3	85
9.5	261	11.3	14.0	80	260	18.7	21.4	88
10.6	252	13.6	16.2	84	255	21.7	24.8	88
12.3	240	15.8	18.4	85	251	23.7	26.6	89
14.1	241	13.8	16.0	86	252	21.5	23.6	91
16.6	250	4.5	8.8	51	261	11.2	13.6	83
18.5	091	1.5	6.3	24	258	3.9	8.1	49
20.5	080	3.5	6.2	56	287	0.6	6.5	09
24.0	076	5.5	7.7	70				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	016	1.2	1.6	74	009	1.4	1.9	73
0.15	045	3.1	4.8	64	031	3.5	5.4	64
0.3								
0.6	058	2.7	4.9	54	041	3.0	5.8	52
0.7	058	2.1	4.2	50	034	2.3	5.4	42
0.9	105	1.4	5.0	29	070	1.5	5.9	25
1.5	248	2.2	5.3	42	242	2.5	5.7	43
2.1	272	4.3	6.5	66	255	5.1	7.1	72
3.1	280	7.3	9.0	81	270	8.4	10.2	82
3.6	281	8.9	10.5	84	274	10.0	11.8	85
4.5	278	12.1	13.5	89	277	13.1	14.6	90
5.8	274	16.9	18.4	92	275	17.7	19.3	92
6.0	273	17.8	19.3	92	275	18.4	20.0	92
7.6	270	23.4	25.2	93	273	23.6	25.5	92
9.5	266	29.8	31.7	94	268	29.9	32.2	93
10.6	263	31.8	33.7	94	265	31.6	34.2	92
12.3	259	32.0	33.8	94	262	31.5	33.9	93
14.1	259	29.1	30.7	95	263	27.7	29.8	93
16.6	263	17.5	18.9	92	265	17.7	19.3	92
18.5	265	8.7	10.7	81	264	9.3	11.3	82
20.5	282	3.9	8.2	47	279	5.4	8.4	65
24.0	284	3.0	8.2	37	300	2.9	7.3	39
26.5	268	6.1	10.8	56	270	5.9	9.0	65
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	360	1.2	1.9	64	306	1.1	2.3	46
0.15	020	2.8	5.6	50	310	3.0	7.0	43
0.3								
0.6	025	2.7	6.0	44	310	3.1	7.5	42
0.7	016	2.8	6.2	45	304	3.1	7.2	44
0.9	024	1.8	6.3	29	310	3.2	7.9	41
1.5	283	1.9	5.9	33	301	3.3	6.8	49
2.1	267	4.3	6.6	65	290	3.4	5.9	57
3.1	266	7.0	8.8	79	271	4.4	6.6	67
3.6	272	8.1	9.8	82	269	5.2	7.3	71
4.5	279	10.0	11.7	85	277	6.6	8.7	76
5.8	280	13.4	15.1	89	285	9.1	11.1	82
6.0	279	13.9	15.6	89	285	9.6	11.7	83
7.6	276	18.0	19.9	90	277	13.7	15.8	87
9.5	270	23.5	26.1	90	268	19.2	21.8	88
10.6	267	26.5	29.2	91	264	21.9	24.9	88
12.3	263	27.8	30.3	92	260	24.0	26.6	90
14.1	264	24.7	26.5	93	261	20.7	22.6	91
16.6	265	14.7	16.2	91	262	9.9	12.6	78
18.5	271	7.4	9.7	76	277	2.4	7.3	32
20.5	284	3.9	7.1	55	024	1.5	6.1	24
24.0	310	2.4	7.7	32	033	1.3	6.3	20
26.5	280	3.3	9.0	36	343	0.5	6.9	06
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	303	1.7	2.8	60	272	2.1	2.8	73
0.15	304	5.1	8.1	63	276	5.9	7.8	76
0.3								
0.6	305	5.7	8.9	64	280	6.7	8.7	77
0.7	304	6.4	8.9	71	284	6.7	8.6	77
0.9	309	6.3	9.5	66	289	7.8	9.8	79
1.5	313	5.5	8.1	67	300	6.8	9.1	75
2.1	316	4.3	6.5	66	306	4.6	7.4	63
3.1	313	3.0	5.8	51	329	2.5	6.3	40
3.6	309	2.7	6.0	44	344	2.5	6.4	39
4.5	306	3.2	6.6	48	357	2.2	6.3	36
5.8	312	4.8	7.9	61	359	1.3	5.9	23
6.0	309	5.2	8.3	63	359	1.3	5.9	21
7.6	293	7.3	10.5	69	040	1.2	6.1	19
9.5	270	9.7	13.0	74	087	2.3	6.5	35
10.6	260	11.0	14.1	78	093	3.4	7.2	48
12.3	250	11.4	14.5	79	096	6.0	9.5	64
14.1	236	9.0	12.6	71	092	10.3	12.9	80
16.6	160	2.6	9.3	27	088	17.0	18.1	94
18.5	085	5.8	8.2	71	084	16.7	17.2	97
20.5	082	7.7	8.9	86	084	15.6	16.1	97
24.0	084	10.0	10.8	92	087	18.2	18.5	98
26.5	091	10.6	11.7	91	089	22.5	22.8	98
31.0	092	12.1	14.6	83				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	261	1.9	2.3	82	271	2.0	2.4	80
0.15	265	6.1	7.2	85	278	6.1	7.4	83
0.3								
0.6	270	7.0	8.1	87	283	7.0	8.3	84
0.7	272	7.7	8.7	88	286	7.1	8.5	84
0.9	279	8.4	9.6	87	292	8.1	9.6	84
1.5	287	8.6	9.9	87	298	7.7	9.6	81
2.1	285	7.1	8.8	82	297	6.1	8.2	74
3.1	285	4.8	7.3	66	299	4.1	6.6	62
3.6	290	3.7	6.7	56	307	3.2	6.2	52
4.5	312	2.1	6.1	34	328	1.9	6.0	32
5.8	028	1.1	5.8	20	047	1.5	6.0	25
6.0	042	1.3	5.7	23	055	1.7	6.0	28
7.6	082	3.8	6.2	61	083	4.0	6.7	60
9.5	087	7.3	8.3	88	089	7.9	8.9	89
10.6	087	10.2	10.9	93	087	10.4	11.1	94
12.3	082	15.8	16.4	96	084	15.3	16.0	95
14.1	080	22.1	23.0	96	080	21.4	22.3	96
16.6	085	27.8	28.5	98	087	26.2	26.9	97
18.5	083	23.0	23.5	98	083	21.1	21.4	98
20.5	083	21.2	21.5	98	082	20.0	20.4	98
24.0	086	26.7	27.0	99	088	26.2	26.5	99
26.5	088	32.5	32.8	99	088	32.4	32.8	99
31.0	085	36.4	36.7	99				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	298	1.3	2.0	64	002	1.1	1.6	68
0.15	303	4.0	6.1	65	017	2.6	4.6	57
0.3								
0.6	307	4.1	6.6	63	027	2.5	4.9	51
0.7	310	3.9	6.6	59	050	2.6	4.8	55
0.9	312	4.1	7.0	59	054	2.4	5.2	46
1.5	320	3.6	6.5	55	046	2.8	5.4	52
2.1	323	3.0	6.2	49	031	3.4	5.8	59
3.1	329	2.4	5.9	40	012	3.0	5.9	51
3.6	328	2.1	5.6	36	008	2.5	5.7	43
4.5	325	1.1	5.2	20	340	1.4	5.7	24
5.8	039	0.4	5.2	07	281	2.0	6.6	30
6.0	057	0.6	5.2	11	275	2.1	6.7	32
7.6	086	1.9	5.5	35	260	4.0	7.9	51
9.5	095	3.7	6.1	60	248	6.7	9.9	68
10.6	097	4.9	7.0	69	243	7.8	10.8	72
12.3	098	7.4	9.6	76	233	8.6	11.9	72
14.1	093	11.4	13.6	83	220	6.7	11.2	60
16.6	092	14.8	15.6	95	132	3.3	7.8	42
18.5	082	13.5	13.9	96	083	5.1	6.8	75
20.5	083	14.7	15.1	97	080	7.9	8.5	93
24.0	086	20.9	21.3	98	084	12.1	12.6	96
26.5	088	24.9	25.4	98	089	14.0	14.8	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NAGPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	017	1.4	1.6	83	015	1.2	1.5	80
0.15	043	3.7	4.7	77	044	3.5	4.5	76
0.3								
0.6	052	3.8	5.0	75	055	3.3	4.7	71
0.7	065	3.6	4.8	75	058	3.2	4.4	73
0.9	069	3.5	5.0	69	077	2.6	4.5	56
1.5	057	2.6	4.9	54	018	0.8	4.5	17
2.1	024	2.3	5.1	46	308	2.0	5.1	40
3.1	335	2.6	5.6	47	294	4.1	6.6	62
3.6	319	2.9	5.9	49	288	5.3	7.6	70
4.5	301	4.1	6.9	59	282	7.7	9.7	79
5.8	285	6.7	9.3	72	276	11.5	13.3	86
6.0	283	7.2	9.9	73	274	12.2	14.0	87
7.6	275	11.5	13.6	84	270	17.2	19.0	90
9.5	264	16.4	18.2	90	265	23.6	25.6	92
10.6	258	18.9	20.7	91	261	26.8	29.1	92
12.3	249	21.0	22.8	92	255	29.1	31.6	92
14.1	250	18.6	20.1	93	257	26.2	27.9	94
16.6	260	8.3	10.8	77	263	14.9	16.7	89
18.5	286	1.1	6.2	19	269	5.5	8.7	63
20.5	030	1.3	5.1	26	306	1.9	6.4	30
24.0	082	3.4	6.7	51	001	1.4	7.2	19
26.5	093	3.5	8.3	42	294	0.9	9.7	09
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	2.2	3.4	65	305	2.0	3.8	53
0.15	309	4.1	6.3	65	309	3.8	6.9	55
0.3	307	2.4	3.7	66	305	2.0	4.0	52
0.6	312	4.1	6.4	64	310	3.8	7.0	55
0.7	314	3.7	6.1	61	309	3.5	6.5	54
0.9	311	4.0	6.4	63	309	4.2	7.1	58
1.5	298	4.9	6.9	71	294	5.5	7.8	70
2.1	287	5.6	7.5	74	287	6.6	8.6	77
3.1	276	7.9	9.6	82	278	8.7	10.6	82
3.6	273	9.8	11.4	86	275	10.3	12.0	86
4.5	272	14.0	15.5	90	272	13.7	15.4	89
5.8	271	20.8	22.5	93	271	20.0	21.8	92
6.0	271	22.1	23.8	93	271	21.2	23.0	92
7.6	271	30.9	32.8	94	272	29.9	32.0	93
9.5	270	41.8	44.1	95	272	40.5	43.2	94
10.6	270	47.1	49.3	95	271	46.9	49.6	94
12.3	268	50.0	51.9	96	270	48.8	51.2	95
14.1	268	43.9	45.2	97	269	43.1	44.8	96
16.6	267	28.4	29.3	97	268	27.9	28.9	96
18.5	268	16.3	17.7	92	268	15.4	16.8	92
20.5	275	8.5	11.4	74	274	8.0	11.1	72
24.0	280	5.1	11.6	44	284	5.6	10.7	52
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	311	2.0	3.7	54	306	1.8	3.6	51
0.15	314	4.1	7.1	58	311	3.6	6.9	53
0.3	311	2.1	3.9	55	308	1.9	3.8	50
0.6	314	4.3	7.3	59	314	3.8	7.0	54
0.7	314	4.1	6.4	64	318	3.3	6.2	53
0.9	312	4.6	7.5	62	315	4.2	7.0	59
1.5	296	6.6	8.5	77	301	6.1	7.7	78
2.1	289	8.2	9.7	84	294	7.9	9.2	86
3.1	282	9.8	11.3	86	288	9.7	11.3	86
3.6	278	10.6	12.2	87	286	10.1	11.8	85
4.5	275	12.8	14.3	89	282	10.7	12.5	85
5.8	273	17.6	19.1	92	277	12.7	14.5	87
6.0	273	18.5	20.0	92	276	13.2	15.0	88
7.6	273	25.2	26.9	93	275	17.6	19.7	89
9.5	272	33.3	35.9	93	274	24.1	26.8	90
10.6	272	37.7	40.7	93	274	28.7	31.7	91
12.3	270	41.3	43.8	94	272	32.7	35.3	92
14.1	270	36.5	38.3	95	270	29.7	31.6	94
16.6	268	23.3	24.5	95	269	17.7	19.1	92
18.5	270	12.2	13.8	89	271	7.9	10.2	77
20.5	288	5.7	9.4	61	308	2.7	6.9	39
24.0	302	3.2	8.6	37	299	3.7	7.4	49
26.5	283	6.4	10.4	62	276	4.8	8.2	59
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	271	1.4	3.8	36	254	1.3	4.0	32
0.15	277	3.0	7.4	40	253	3.2	7.7	42
0.3	273	1.5	4.1	36	254	1.4	4.2	32
0.6	282	3.4	7.7	44	259	3.5	8.1	44
0.7	290	3.2	7.3	44	267	2.7	7.2	38
0.9	290	3.8	7.7	50	272	4.1	8.2	49
1.5	295	5.7	7.8	73	289	5.0	7.7	64
2.1	294	7.1	8.5	83	300	5.4	7.5	72
3.1	295	8.9	10.2	87	312	6.1	8.1	75
3.6	296	9.4	10.9	86	315	6.2	8.4	74
4.5	297	9.6	11.4	84	315	6.0	8.3	72
5.8	290	10.2	12.3	83	299	5.3	8.4	63
6.0	289	10.4	12.5	83	296	5.2	8.5	61
7.6	281	13.8	16.0	86	280	7.0	10.9	64
9.5	275	19.3	21.9	88	271	9.6	13.2	73
10.6	272	22.6	25.3	89	268	10.3	13.8	74
12.3	268	25.3	27.5	92	263	10.1	13.8	73
14.1	266	22.4	24.4	92	260	8.6	12.9	67
16.6	263	12.5	14.6	85	286	2.2	8.9	24
18.5	281	2.6	8.1	32	079	6.7	9.5	70
20.5	075	2.8	7.2	39	088	10.3	11.5	90
24.0	074	4.0	7.5	54	087	14.0	14.9	94
26.5	094	2.1	7.6	27	090	14.7	15.4	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	211	0.8	3.3	24	240	0.8	3.4	24
0.15	227	2.0	6.5	30	238	1.9	6.5	29
0.3	211	0.9	3.5	24	239	0.9	3.6	24
0.6	234	2.2	6.9	31	245	1.7	6.8	25
0.7	209	1.6	6.3	25	252	1.7	6.4	26
0.9	248	2.1	7.1	30	256	1.3	6.9	19
1.5	286	1.8	7.1	25	330	0.8	6.9	11
2.1	322	1.5	6.7	23	017	1.4	6.8	21
3.1	352	1.7	6.3	26	037	1.7	6.2	27
3.6	004	1.6	6.0	27	041	1.6	5.9	27
4.5	008	1.3	5.7	23	056	1.3	5.4	24
5.8	155	0.4	5.7	07	108	1.2	5.3	22
6.0	153	0.6	5.8	10	111	1.3	5.3	24
7.6	162	1.3	6.3	21	128	1.4	5.9	24
9.5	169	1.3	6.5	19	149	1.5	6.3	24
10.6	161	1.4	7.2	19	151	1.9	6.7	28
12.3	134	1.8	8.4	22	135	2.4	7.9	30
14.1	098	3.2	9.4	34	101	2.9	8.8	34
16.6	072	9.4	11.9	79	073	8.6	10.7	80
18.5	079	14.7	15.3	96	083	13.1	13.8	95
20.5	086	16.4	16.8	98	087	14.6	14.9	98
24.0	088	19.2	19.6	98	089	18.8	19.3	97
26.5	090	21.5	22.3	96	093	21.5	21.8	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	1.2	3.5	33	284	1.4	3.0	47
0.15	267	2.7	6.6	41	287	2.3	5.3	44
0.3	265	1.3	3.7	36	286	1.5	3.1	47
0.6	276	2.6	6.8	38	297	2.5	5.3	46
0.7	301	1.3	5.9	23	311	2.2	4.4	49
0.9	294	2.5	6.8	37	311	2.7	5.3	51
1.5	319	3.1	6.9	46	312	4.6	6.4	72
2.1	328	3.9	7.1	54	311	5.9	7.5	78
3.1	337	3.5	6.6	53	313	6.0	7.8	77
3.6	341	2.9	6.2	47	311	5.7	7.6	75
4.5	328	1.7	5.8	29	295	5.6	7.8	72
5.8	263	2.6	6.5	39	277	9.0	11.0	82
6.0	260	3.0	6.8	44	276	9.9	11.9	84
7.6	260	6.1	8.9	68	270	16.0	18.0	88
9.5	257	9.2	11.3	81	265	23.6	25.6	92
10.6	255	10.6	12.6	84	262	26.8	28.5	94
12.3	251	11.0	13.4	82	259	29.2	30.7	95
14.1	252	9.2	12.0	77	259	25.9	27.2	95
16.6	278	2.0	7.8	25	264	14.3	15.5	92
18.5	074	5.0	7.4	68	277	3.7	7.3	50
20.5	087	7.5	8.7	86	032	1.3	5.7	22
24.0	089	12.7	13.4	94	077	2.4	6.4	37
26.5	093	14.7	15.2	96	107	2.0	7.3	27
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : NEW DELHI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	302	1.8	2.9	62	307	2.3	3.2	70
0.15	305	3.1	5.3	59	308	4.0	5.8	69
0.3	302	1.9	3.1	62	308	2.4	3.4	71
0.6	309	3.2	5.3	61	312	4.1	5.9	70
0.7	312	2.9	4.9	59	314	3.9	5.2	73
0.9	313	3.5	5.4	66	314	4.2	6.0	70
1.5	310	4.8	6.3	76	308	4.9	6.6	75
2.1	310	5.6	7.1	78	301	5.6	7.2	78
3.1	301	6.0	7.7	79	287	7.0	8.7	81
3.6	294	6.6	8.3	80	282	8.4	10.0	84
4.5	285	9.0	10.6	85	277	11.8	13.3	89
5.8	279	14.3	15.9	90	274	17.6	19.2	92
6.0	278	15.3	17.0	90	274	18.7	20.2	92
7.6	275	22.3	24.3	92	273	26.6	28.3	94
9.5	272	30.8	33.1	93	271	36.0	38.1	94
10.6	269	35.6	37.9	94	269	41.6	44.0	94
12.3	267	38.8	40.8	95	267	45.2	47.4	95
14.1	265	35.0	36.6	96	267	40.0	41.5	96
16.6	268	22.9	24.2	94	268	27.8	28.6	97
18.5	274	11.1	13.6	82	270	16.2	17.4	93
20.5	282	5.1	9.2	56	276	8.9	11.1	81
24.0	290	3.7	9.1	41	283	7.1	10.6	67
26.5	284	5.5	10.5	53	274	11.5	13.9	82
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	335	1.0	1.9	53	338	0.9	2.1	45
0.15	344	3.4	5.6	61	347	3.3	6.2	54
0.3	342	1.5	2.8	55	343	1.5	3.0	50
0.6	340	3.7	6.2	60	343	3.7	6.8	55
0.7	333	4.0	7.1	57	339	3.9	7.4	52
0.9	333	3.7	6.5	57	336	3.8	7.3	52
1.5	312	2.8	6.2	45	313	3.3	6.9	48
2.1	294	2.4	6.2	38	294	3.4	6.8	49
3.1	273	3.4	7.0	48	278	4.7	7.8	60
3.6	269	4.8	8.1	60	277	6.1	8.8	69
4.5	269	8.5	11.3	75	274	9.3	11.7	79
5.8	271	15.4	17.8	86	272	15.3	17.5	87
6.0	271	16.5	19.0	87	272	16.6	18.7	88
7.6	272	25.8	28.3	91	273	25.1	27.6	91
9.5	271	35.8	38.6	93	272	36.4	39.5	92
10.6	271	41.0	43.6	94	273	41.7	44.6	93
12.3	271	45.1	47.4	95	272	45.5	47.9	95
14.1	270	41.2	43.3	95	271	41.2	43.1	96
16.6	271	28.2	29.4	96	271	27.8	28.9	96
18.5	273	18.4	20.2	91	268	15.3	16.7	91
20.5	277	9.8	12.5	79	276	6.2	9.4	66
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	339	1.2	2.3	52	350	0.9	2.0	44
0.15	351	3.8	6.7	56	358	3.6	6.2	58
0.3	343	1.7	3.2	53	350	1.5	2.8	52
0.6	346	4.1	7.3	56	351	4.0	6.9	57
0.7	338	4.5	7.9	57	346	3.8	7.2	52
0.9	337	4.1	7.7	53	341	4.2	7.3	57
1.5	313	4.0	7.4	54	318	4.3	7.2	60
2.1	297	4.8	7.7	62	305	5.4	7.7	70
3.1	286	6.3	8.8	71	294	7.1	9.3	76
3.6	282	7.2	9.6	75	292	7.6	10.0	76
4.5	276	9.4	11.7	80	287	8.5	10.9	78
5.8	272	14.0	16.1	87	279	10.7	13.0	82
6.0	272	14.9	17.0	88	278	11.1	13.5	82
7.6	273	21.4	23.8	90	275	15.3	17.7	86
9.5	273	31.2	34.1	91	275	21.4	24.2	88
10.6	272	37.0	39.9	93	274	25.6	28.3	90
12.3	272	40.6	43.2	94	272	30.9	33.3	93
14.1	271	37.7	39.3	96	271	29.2	30.8	95
16.6	271	22.1	23.3	95	271	17.7	19.0	93
18.5	272	11.6	13.1	88	276	8.8	11.1	79
20.5	277	5.8	9.6	61	300	3.0	8.0	38
24.0					306	2.7	8.1	33
26.5					291	4.8	8.8	55
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	033	0.5	2.0	26	107	1.0	2.1	47
0.15	017	1.9	6.1	31	102	1.9	6.1	31
0.3	018	0.9	2.9	30	100	1.1	3.0	37
0.6	008	1.9	6.7	28	115	1.4	6.7	21
0.7	350	1.3	7.4	17	127	1.2	7.2	17
0.9	345	2.1	7.2	29	185	0.6	6.8	08
1.5	313	3.3	6.7	49	285	2.0	6.3	31
2.1	305	4.8	7.2	66	301	3.9	6.5	60
3.1	300	7.1	9.0	79	311	5.7	7.7	74
3.6	300	7.9	9.8	81	314	6.0	8.1	74
4.5	300	8.9	10.8	82	316	6.2	8.4	74
5.8	293	9.6	12.0	80	305	5.9	8.8	67
6.0	292	9.9	12.2	81	302	5.9	8.9	66
7.6	281	13.2	15.5	85	278	9.0	12.6	72
9.5	278	19.0	21.5	88	273	13.6	16.7	82
10.6	275	22.7	25.3	90	269	15.2	18.1	84
12.3	273	26.4	28.8	92	267	15.8	18.7	85
14.1	270	24.1	26.0	93	267	14.0	16.8	83
16.6	266	13.7	15.9	86	275	6.1	10.5	58
18.5	272	4.6	8.5	54	063	3.6	8.6	42
20.5	065	2.3	6.8	33	090	9.1	10.6	85
24.0	077	2.7	6.6	40	087	11.1	12.4	90
26.5	096	2.5	7.5	33	090	11.6	13.1	88
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	112	1.1	1.7	66	109	0.7	1.3	54
0.15	122	2.8	5.0	55	122	1.6	4.3	38
0.3	113	1.4	2.3	59	110	0.9	1.9	46
0.6	134	2.8	5.5	51	135	1.5	4.8	31
0.7	143	3.2	5.9	54	162	1.7	5.5	30
0.9	150	2.6	5.9	44	162	1.2	5.2	24
1.5	178	1.6	6.1	26	224	0.7	5.6	12
2.1	253	0.8	6.3	12	311	0.9	5.8	16
3.1	323	1.8	6.3	29	346	1.3	5.4	23
3.6	331	2.0	6.1	32	358	1.4	5.2	26
4.5	331	1.5	5.7	26	357	0.8	5.0	16
5.8	245	1.1	5.5	20	214	1.0	5.0	20
6.0	235	1.3	5.6	23	211	1.3	5.2	24
7.6	240	2.5	6.9	36	232	2.7	6.5	41
9.5	253	4.1	8.2	50	244	4.4	7.7	57
10.6	247	4.5	8.7	52	244	5.0	8.4	60
12.3	245	4.3	9.6	45	242	5.1	9.2	55
14.1	265	2.8	10.1	28	248	3.9	9.3	42
16.6	059	4.8	9.6	49	051	2.3	8.1	28
18.5	074	10.9	12.6	86	078	9.0	10.5	85
20.5	086	13.5	14.4	93	088	11.4	12.1	94
24.0	087	16.8	17.7	95	087	15.9	16.5	96
26.5	090	18.8	19.8	95	091	17.0	17.8	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	0.3	1.1	24	006	0.5	1.2	37
0.15	024	1.0	4.2	23	002	2.4	4.7	51
0.3	033	0.4	1.7	23	003	0.8	1.8	44
0.6	360	1.1	4.5	23	352	2.8	5.1	55
0.7	340	0.7	5.0	14	345	3.4	5.5	62
0.9	336	1.4	4.7	30	339	3.3	5.4	61
1.5	320	2.4	5.4	45	321	4.0	5.8	69
2.1	314	3.3	6.0	56	312	4.4	6.2	71
3.1	321	2.9	6.0	49	314	4.7	6.8	70
3.6	320	2.6	5.9	43	311	4.6	6.8	68
4.5	300	1.8	5.7	32	300	4.7	7.0	67
5.8	255	2.9	6.3	45	282	7.7	9.6	81
6.0	256	3.3	6.7	49	280	8.7	10.6	82
7.6	261	7.6	10.1	76	274	15.1	17.1	88
9.5	263	12.0	13.8	87	270	23.8	25.8	92
10.6	262	13.8	15.4	89	268	28.3	30.3	93
12.3	261	14.6	16.3	89	265	31.0	32.7	95
14.1	263	12.8	14.5	88	265	28.1	29.4	96
16.6	276	5.6	8.8	63	268	16.1	17.4	93
18.5	054	1.7	6.5	26	277	6.0	8.7	69
20.5	088	4.8	6.8	70	292	2.8	6.3	44
24.0	086	8.4	9.7	86	018	1.0	6.1	16
26.5	094	10.3	11.6	89	070	1.5	6.7	23
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATIALA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	341	0.8	1.3	61	329	1.1	1.7	67
0.15	348	3.4	4.8	71	340	3.9	5.2	74
0.3	342	1.3	2.0	65	334	1.8	2.5	73
0.6	341	3.8	5.3	73	335	4.2	5.7	74
0.7	336	3.9	5.8	67	330	4.4	5.7	77
0.9	333	4.2	5.7	74	328	4.3	6.0	73
1.5	317	4.1	5.9	69	319	3.9	6.0	65
2.1	313	4.0	5.9	68	310	3.4	5.9	58
3.1	302	3.9	6.6	59	290	4.0	6.8	59
3.6	295	4.4	6.9	63	280	5.1	7.7	65
4.5	284	6.5	8.6	75	276	8.1	10.4	78
5.8	277	11.8	13.6	87	274	13.9	15.9	88
6.0	277	12.8	14.6	88	274	15.1	17.0	89
7.6	275	20.7	22.6	92	273	23.3	25.2	92
9.5	273	29.6	31.9	93	272	32.7	35.0	93
10.6	271	34.6	37.0	93	271	37.8	40.2	94
12.3	269	37.9	40.3	94	270	41.2	43.5	95
14.1	269	34.9	36.4	96	270	38.5	39.9	96
16.6	270	22.8	23.9	96	272	26.1	27.1	96
18.5	274	11.8	14.0	84	277	16.7	18.3	92
20.5	281	6.1	8.8	69	280	11.6	13.3	87
24.0	280	5.2	10.3	51	288	9.9	12.6	78
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	282	0.4	0.8	54	279	0.6	1.3	44
0.15	302	1.7	3.8	45	288	1.9	4.5	43
0.3	300	2.1	4.3	49	291	2.3	5.0	46
0.6	298	3.2	5.0	63	295	3.5	5.9	59
0.7	295	3.9	5.8	67	291	3.9	6.0	65
0.9	295	4.0	5.6	71	294	4.6	6.5	70
1.5	294	6.1	7.4	83	290	7.1	8.2	86
2.1	295	8.4	9.7	87	290	9.8	10.8	91
3.1	296	12.3	13.4	92	290	12.8	13.8	93
3.6	294	14.1	15.2	93	290	14.5	15.5	93
4.5	290	17.8	19.0	94	287	17.9	18.9	95
5.8	285	24.4	25.9	94	285	23.6	25.0	94
6.0	284	25.6	27.0	95	284	25.2	26.8	94
7.6	279	33.4	35.3	94	282	34.0	36.1	94
9.5	275	42.3	44.6	95	278	40.8	43.6	93
10.6	275	45.3	47.7	95	277	42.9	46.0	93
12.3	276	46.0	48.4	95	274	42.2	45.7	92
14.1								
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	276	1.0	1.8	54	066	0.4	2.4	15
0.15	288	2.8	4.9	56	331	0.4	6.0	06
0.3	291	3.4	5.7	60	313	0.9	6.5	14
0.6	295	5.3	7.2	73	297	2.7	7.2	38
0.7	295	7.0	8.5	83	290	3.0	7.0	43
0.9	295	6.6	8.2	81	293	4.4	7.6	58
1.5	293	9.0	9.9	91	292	7.2	8.8	82
2.1	291	11.4	12.2	93	291	9.5	10.6	90
3.1	290	14.3	15.2	94	290	12.8	13.8	93
3.6	291	15.6	16.5	95	290	14.2	15.1	94
4.5	290	17.1	17.9	95	289	15.0	16.0	94
5.8	286	20.0	21.1	94	286	16.1	17.5	92
6.0	286	20.8	21.9	95	285	16.6	18.0	92
7.6	281	26.2	27.9	94	279	20.6	22.4	92
9.5	280	31.5	34.4	91	271	27.0	29.5	91
10.6	277	34.7	38.0	91	267	31.0	33.6	92
12.3	274	34.1	36.6	93	264	33.3	35.7	93
14.1	273	27.1	28.8	94	267	24.9	27.2	92
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	088	1.9	2.6	74	088	1.9	2.3	79
0.15	092	3.4	5.8	59	093	3.7	5.6	66
0.3	098	3.5	6.3	55	099	3.6	5.9	62
0.6	126	2.1	6.5	32	121	2.7	6.5	42
0.7	171	0.8	6.1	13	131	2.1	6.7	31
0.9	194	1.0	6.5	16	143	1.6	6.7	24
1.5	287	3.8	7.3	52	274	0.5	7.2	06
2.1	297	6.7	8.8	76	309	2.3	8.2	27
3.1	299	10.5	11.9	88	312	3.8	9.1	42
3.6	299	11.6	13.1	89	314	4.3	9.3	46
4.5	299	11.8	13.1	90	309	3.6	8.5	42
5.8	293	10.8	12.5	86	285	2.4	7.9	30
6.0	291	10.9	12.6	87	280	2.3	7.6	29
7.6	279	12.6	14.8	85	244	1.9	7.8	25
9.5	271	16.3	18.9	86	229	2.8	8.5	33
10.6	267	18.4	21.1	87	220	2.9	8.5	34
12.3	262	18.6	21.2	88	210	2.3	9.5	24
14.1	263	13.3	16.3	82	153	1.9	10.4	18
16.6	267	3.9	9.6	41	100	6.7	11.2	60
18.5	085	4.7	8.6	54	088	12.7	14.1	90
20.5	098	6.4	8.3	77	097	14.5	15.7	93
24.0	097	9.7	11.1	88	095	18.5	19.0	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	093	1.2	2.0	62	094	1.2	2.0	58
0.15	104	2.7	5.2	51	100	2.7	5.0	53
0.3	110	2.8	5.7	49	105	3.0	5.6	52
0.6	124	2.6	6.7	38	114	3.4	6.7	51
0.7	128	2.7	7.3	37	120	3.5	6.5	53
0.9	137	2.4	7.4	33	119	3.9	7.2	53
1.5	141	1.9	7.7	25	115	3.9	7.5	51
2.1	127	1.6	7.8	21	112	4.0	7.5	53
3.1	111	1.1	7.4	15	118	3.7	7.2	52
3.6	109	1.2	7.2	16	117	3.7	7.0	53
4.5	120	1.6	6.7	25	116	3.7	6.7	54
5.8	126	2.2	6.3	35	113	4.0	6.4	63
6.0	123	2.4	6.3	38	113	4.1	6.4	64
7.6	115	3.9	6.5	61	108	5.1	6.9	74
9.5	106	6.1	7.9	77	105	6.7	8.2	82
10.6	099	7.3	9.1	81	098	7.6	9.2	83
12.3	089	9.8	11.9	82	090	9.5	11.3	84
14.1	088	12.1	14.7	82	085	11.8	13.4	88
16.6	087	16.7	18.2	92	083	16.5	17.9	92
18.5	088	19.4	20.0	97	089	18.1	19.0	95
20.5	095	18.8	19.2	98	092	18.4	18.9	97
24.0	094	21.3	21.9	97	097	21.9	23.1	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	094	1.1	1.9	60	084	0.2	0.7	24
0.15	102	2.0	4.8	42	050	0.4	3.1	15
0.3	106	2.1	5.3	40	047	0.4	3.3	13
0.6	118	2.1	6.2	33	016	0.4	3.5	10
0.7	110	2.7	6.6	41	354	0.6	3.7	15
0.9	122	1.9	6.7	28	331	0.6	3.9	16
1.5	115	1.6	7.0	23	318	1.3	4.5	29
2.1	111	1.3	7.1	18	311	1.7	5.1	33
3.1	125	1.1	6.7	16	289	2.4	5.7	42
3.6	146	1.0	6.5	15	279	3.1	5.9	52
4.5	186	1.4	6.2	23	273	5.0	7.2	69
5.8	202	1.9	6.3	30	269	7.9	9.8	81
6.0	202	2.0	6.3	31	269	8.5	10.3	82
7.6	212	2.4	6.8	35	265	12.8	14.6	88
9.5	221	2.5	8.0	32	260	17.6	19.2	92
10.6	214	2.5	8.4	30	259	19.5	21.2	92
12.3	216	2.1	9.5	22	257	20.2	22.0	92
14.1	220	1.0	9.8	10	257	17.2	19.0	91
16.6	090	5.9	9.3	64	259	7.3	10.6	69
18.5	090	9.7	10.7	90	155	0.4	7.3	05
20.5	096	11.6	12.1	96	098	5.0	7.5	66
24.0	097	16.5	16.9	98	101	7.8	9.9	79
26.5	104	18.5	18.9	98	110	8.5	10.4	82
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PATNA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	0.1	0.4	27	293	0.3	0.6	50
0.15	329	1.0	3.0	34	304	1.7	3.2	53
0.3	328	1.1	3.3	34	304	1.9	3.5	55
0.6	324	1.4	3.6	39	303	2.2	3.8	57
0.7	317	1.4	3.7	39	300	2.8	3.6	76
0.9	317	1.7	3.9	43	299	2.4	4.1	58
1.5	302	2.2	4.7	47	297	3.6	5.5	65
2.1	300	2.9	5.8	50	299	5.1	7.0	73
3.1	295	5.1	7.4	69	297	9.0	10.4	87
3.6	293	6.5	8.4	77	294	10.9	12.1	90
4.5	286	9.4	10.8	87	289	13.9	15.2	92
5.8	280	13.6	14.9	91	284	18.7	20.1	93
6.0	279	14.5	15.8	91	284	19.9	21.3	93
7.6	275	20.9	22.6	93	281	27.3	28.9	94
9.5	269	29.9	31.9	94	277	35.6	37.8	94
10.6	265	34.0	36.1	94	275	39.0	41.0	95
12.3	261	35.1	36.8	95	271	39.0	41.0	95
14.1	266	29.9	31.3	96	272	33.2	34.5	96
16.6	267	14.1	16.7	85				
18.5	258	3.7	7.9	47				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	053	1.6	1.8	90	051	0.8	0.9	88
0.15	049	4.9	5.4	90	044	3.7	4.3	86
0.3	049	5.0	5.5	90	045	3.8	4.4	86
0.6	062	5.3	5.9	91	058	3.9	4.8	82
0.7	067	5.4	5.9	91	067	3.2	4.4	74
0.9	074	5.3	6.0	88	072	3.9	5.0	77
1.5	090	4.7	5.9	81	092	3.6	5.2	70
2.1	095	3.9	5.3	73	098	3.3	5.1	64
3.1	094	2.5	4.6	54	101	1.8	4.7	38
3.6	095	2.1	4.7	44	094	1.3	4.7	27
4.5	084	1.6	5.0	32	080	0.8	5.1	15
5.8	061	1.1	6.0	18	004	0.3	6.1	06
6.0	058	0.9	6.2	15	344	0.2	6.3	04
7.6	279	0.3	7.3	04	279	0.9	7.9	12
9.5	235	2.9	8.4	34	234	2.8	9.0	31
10.6	230	4.8	9.4	51	219	4.6	9.7	47
12.3	214	7.3	11.6	62	206	6.3	11.3	55
14.1	202	7.3	12.9	57	193	6.5	12.4	52
16.6	147	2.5	10.0	25	148	2.0	9.4	21
18.5	089	0.7	7.0	10	278	1.9	7.2	26
20.5	230	0.6	7.7	08	282	2.4	9.4	26
24.0	086	5.7	11.7	48	098	4.2	13.3	32
26.5	090	8.9	13.9	64	096	6.1	14.2	43
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	048	0.3	0.4	60	228	0.1	0.5	25
0.15	037	2.0	3.1	65	342	0.4	3.0	14
0.3	039	2.1	3.2	65	346	0.4	3.1	14
0.6	054	2.3	3.6	65	056	0.4	3.3	11
0.7	063	2.1	3.7	56	016	0.5	3.4	15
0.9	068	2.5	4.0	63	102	0.7	3.4	20
1.5	087	3.2	4.8	65	107	1.8	3.9	46
2.1	091	3.6	5.2	69	099	2.8	4.6	61
3.1	092	3.3	5.0	66	096	3.0	4.8	63
3.6	091	2.8	4.8	57	099	2.7	4.6	58
4.5	091	1.7	4.8	36	107	1.9	4.7	41
5.8	090	0.8	5.5	14	098	1.3	5.5	23
6.0	090	0.6	5.7	10	096	1.0	5.6	19
7.6	263	1.3	7.2	17	155	0.2	6.4	03
9.5	244	4.0	8.9	44	247	1.9	7.0	26
10.6	233	5.6	9.9	56	230	3.5	7.8	45
12.3	221	7.0	11.7	60	216	5.2	9.5	54
14.1	208	5.7	12.4	46	196	4.2	9.9	42
16.6	148	1.1	9.3	12	102	2.7	8.3	32
18.5	348	0.6	7.8	08	072	1.8	7.3	25
20.5	272	2.7	9.4	29	002	0.3	8.6	03
24.0	092	3.9	12.0	33	092	6.9	13.1	53
26.5	101	8.0	13.8	58	096	10.6	16.4	65
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	232	1.6	2.0	80	228	4.1	4.3	95
0.15	233	4.1	5.6	74	232	8.1	8.6	94
0.3	234	4.2	5.7	74	232	8.3	8.8	94
0.6	238	4.6	6.4	72	237	9.9	10.5	94
0.7	241	5.1	6.8	75	236	9.1	9.8	92
0.9	239	4.6	6.6	70	240	10.4	11.1	94
1.5	238	4.0	6.3	63	244	10.0	10.8	92
2.1	235	3.0	6.0	50	247	9.0	10.0	90
3.1	233	1.9	6.0	32	251	8.1	9.4	86
3.6	232	1.8	6.0	30	252	7.5	9.1	82
4.5	236	2.1	6.1	34	252	6.4	8.5	76
5.8	226	2.0	6.2	33	251	4.8	7.7	63
6.0	226	2.0	6.1	33	249	4.4	7.5	59
7.6	184	1.1	5.8	19	183	1.6	6.4	25
9.5	128	1.8	5.9	30	086	5.9	8.9	66
10.6	116	3.0	7.0	43	077	9.6	12.0	80
12.3	102	5.5	9.6	58	073	15.5	17.3	89
14.1	097	8.9	12.4	72	079	21.7	23.1	94
16.6	095	11.6	13.4	87	085	26.6	27.5	96
18.5	092	8.2	10.6	77	085	17.0	17.8	96
20.5	084	4.6	8.8	52	090	13.7	14.7	93
24.0	089	10.8	13.4	80	088	17.0	17.7	96
26.5	093	15.6	17.4	89	091	23.2	23.9	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	227	3.4	3.6	95	230	3.8	4.0	96
0.15	231	7.7	8.2	94	235	8.2	8.6	95
0.3	231	7.9	8.4	94	235	8.5	8.9	95
0.6	237	9.4	10.1	93	240	10.1	10.6	95
0.7	239	9.9	10.5	94	242	10.0	10.8	92
0.9	240	9.8	10.5	93	243	10.6	11.2	94
1.5	244	9.2	10.0	92	248	10.0	10.8	93
2.1	247	8.3	9.3	89	250	9.0	9.9	90
3.1	253	7.3	8.6	85	256	7.8	9.2	85
3.6	255	6.7	8.3	81	258	7.0	8.7	80
4.5	256	5.3	7.6	69	260	5.5	7.8	71
5.8	248	3.5	6.8	51	255	3.3	6.7	50
6.0	246	3.0	6.6	46	253	2.9	6.7	44
7.6	134	1.7	6.2	27	118	1.4	6.2	22
9.5	084	7.2	9.1	79	082	8.4	9.9	84
10.6	077	11.8	13.1	90	077	12.6	14.0	90
12.3	073	17.8	19.0	94	076	18.3	19.4	94
14.1	077	24.6	25.6	96	079	24.7	25.5	97
16.6	084	27.3	28.0	97	085	26.2	26.9	98
18.5	087	17.7	18.2	97	087	17.7	18.2	97
20.5	089	17.6	18.2	97	085	17.4	18.0	96
24.0	091	21.1	21.8	96	089	19.9	20.4	98
26.5	090	26.6	27.3	98	090	23.4	24.0	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	236	2.1	2.4	89	218	0.6	1.3	46
0.15	239	5.5	6.4	85	213	1.5	4.7	31
0.3	240	5.7	6.6	85	213	1.5	4.8	31
0.6	246	6.6	7.8	85	215	1.4	5.4	26
0.7	250	7.3	8.4	87	214	1.4	5.3	27
0.9	248	6.7	8.0	84	210	1.3	5.6	24
1.5	250	5.7	7.4	77	188	1.2	5.7	21
2.1	250	4.8	6.7	71	168	1.2	5.7	20
3.1	253	3.7	6.3	59	144	1.1	5.6	20
3.6	254	3.3	6.2	52	136	1.3	5.5	24
4.5	252	2.1	6.0	35	116	1.8	5.5	32
5.8	181	0.5	5.4	10	104	2.8	5.7	50
6.0	154	0.6	5.4	10	104	3.0	5.7	52
7.6	097	3.1	5.7	55	100	4.0	6.0	67
9.5	088	7.2	8.4	85	096	5.4	7.1	77
10.6	086	10.0	11.1	90	096	6.8	8.4	81
12.3	086	15.1	16.1	93	094	9.4	11.3	83
14.1	086	20.1	21.1	95	096	13.2	14.9	89
16.6	087	19.7	20.5	96	093	13.4	14.5	92
18.5	089	14.6	15.2	96	094	9.2	10.3	88
20.5	089	14.2	14.9	95	088	9.6	11.2	85
24.0	090	19.4	20.1	96	091	14.6	16.2	90
26.5	090	21.6	22.2	97	091	18.5	20.1	92
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : PORTBLAIR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	090	1.3	2.1	61	063	2.3	2.6	88
0.15	086	3.3	5.6	58	062	5.6	6.3	88
0.3	086	3.4	5.8	58	063	5.7	6.5	88
0.6	091	4.0	6.5	61	070	6.1	6.9	89
0.7	089	4.6	6.6	70	071	6.0	6.6	90
0.9	097	4.3	6.7	64	078	6.3	7.1	88
1.5	104	4.7	7.0	67	090	5.9	7.0	85
2.1	108	4.3	6.6	65	096	5.1	6.4	79
3.1	111	3.9	6.0	65	097	3.9	5.7	68
3.6	112	3.7	5.9	63	096	3.5	5.6	63
4.5	110	3.6	6.0	61	092	3.3	5.6	59
5.8	102	3.9	6.4	60	088	3.4	6.3	54
6.0	100	4.0	6.5	62	088	3.3	6.4	52
7.6	103	4.4	6.8	65	097	2.5	6.9	37
9.5	107	4.1	7.0	58	164	1.9	7.4	26
10.6	117	4.2	7.5	55	191	3.5	8.3	42
12.3	128	5.3	9.0	59	186	5.9	10.3	57
14.1	125	6.8	10.5	65	184	6.0	11.1	54
16.6	107	6.9	9.7	71	129	3.3	9.4	35
18.5	099	4.7	7.8	60	087	3.2	7.7	41
20.5	092	5.9	9.0	65	121	2.1	8.0	26
24.0	088	11.6	13.6	85	098	8.6	12.6	68
26.5	089	16.3	18.9	86	094	13.8	17.8	77
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	018	0.5	1.0	51	008	0.5	1.1	50
0.15	019	2.0	4.5	44	010	2.1	5.0	42
0.3	048	0.9	1.2	74	039	0.7	1.3	52
0.6	060	2.4	4.4	55	044	2.4	5.2	47
0.7	038	1.5	4.1	36	026	1.8	4.7	38
0.9	349	1.7	4.6	36	342	1.7	5.0	34
1.5	293	3.8	6.0	64	287	3.8	6.2	62
2.1	290	6.1	7.9	78	278	6.6	8.1	81
3.1	285	9.3	10.6	87	278	10.2	11.7	87
3.6	283	11.0	12.3	89	278	11.7	13.1	89
4.5	279	14.5	15.9	91	278	14.8	16.3	90
5.8	274	19.6	21.0	93	275	20.0	21.7	92
6.0	273	20.6	22.1	93	275	20.7	22.3	92
7.6	270	26.7	28.6	93	273	26.7	29.0	92
9.5	266	33.5	35.7	94	268	33.8	36.9	91
10.6	265	36.0	38.2	94	266	35.6	39.4	90
12.3	261	35.0	37.3	94	262	36.6	40.2	91
14.1	256	32.8	35.1	93	263	33.0	35.9	92
16.6	262	22.9	25.5	90	268	21.5	24.8	87
18.5					270	11.8	17.9	66
20.5					281	7.4	14.6	50
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	346	0.4	1.2	37	269	0.3	1.3	26
0.15	353	2.0	5.3	38	297	1.7	5.8	28
0.3	020	0.5	1.5	35	245	0.4	1.6	27
0.6	016	2.1	5.8	36	258	2.4	6.5	37
0.7	355	2.1	5.6	37	268	2.2	6.4	35
0.9	333	2.2	5.6	38	294	2.3	6.5	36
1.5	296	4.3	6.7	64	295	4.3	7.0	62
2.1	282	6.9	8.4	82	290	5.7	7.4	77
3.1	279	10.0	11.4	88	283	7.5	9.0	83
3.6	279	11.1	12.6	88	282	8.1	9.8	83
4.5	281	12.8	14.2	90	284	9.9	11.4	86
5.8	279	16.3	17.8	92	285	11.9	13.5	88
6.0	279	16.8	18.4	91	284	12.3	14.0	88
7.6	275	21.0	23.2	90	275	17.2	19.0	90
9.5	271	26.7	29.8	89	268	23.0	25.9	89
10.6	268	30.8	34.0	90	265	27.2	30.5	89
12.3	264	31.5	34.8	90	259	30.0	33.1	90
14.1	265	30.1	32.8	92	259	26.1	29.1	90
16.6	268	17.7	20.0	89	265	15.4	17.7	87
18.5	283	9.0	12.2	73	294	3.9	11.0	36
20.5	294	4.4	10.2	43	017	1.7	8.7	20
24.0	269	2.9	10.3	28	063	1.6	9.2	17
26.5					086	2.3	8.7	26
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	250	0.6	1.5	38	253	0.8	1.8	45
0.15	269	2.5	6.1	41	264	3.3	6.1	53
0.3	258	0.9	1.9	48	246	1.6	2.4	67
0.6	271	4.6	7.8	59	254	5.9	8.6	69
0.7	274	4.4	7.6	57	257	5.7	8.5	67
0.9	278	3.5	7.1	49	273	4.8	7.6	63
1.5	297	4.7	7.3	64	291	5.7	8.5	66
2.1	305	5.5	7.2	77	307	5.1	7.8	64
3.1	308	6.1	7.9	77	327	4.4	7.1	62
3.6	306	6.3	8.4	75	331	4.3	7.2	60
4.5	303	6.8	8.9	77	329	3.6	6.8	53
5.8	299	7.0	9.4	75	333	2.0	6.2	33
6.0	298	7.0	9.5	74	332	1.9	6.5	29
7.6	283	9.4	12.4	75	035	0.8	6.5	12
9.5	266	12.2	15.3	80	095	2.3	7.4	31
10.6	258	13.9	17.0	82	105	3.5	7.9	44
12.3	248	14.2	17.5	81	105	6.1	10.3	59
14.1	237	11.8	16.0	73	097	10.7	14.2	75
16.6	186	3.3	12.0	28	093	16.5	18.0	91
18.5	099	6.3	9.7	65	087	15.5	16.7	93
20.5	080	8.3	9.4	89	083	16.4	17.0	96
24.0	087	10.4	11.6	90	087	18.5	19.0	97
26.5	089	11.6	12.6	92	088	21.7	22.4	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	250	1.1	1.7	63	268	0.7	1.6	45
0.15	262	3.7	5.7	65	280	2.7	5.6	47
0.3	248	2.2	2.6	86	247	1.7	2.3	73
0.6	253	7.3	8.4	87	261	5.5	7.6	72
0.7	259	6.8	8.2	83	273	5.2	7.5	68
0.9	272	5.2	7.1	73	288	3.8	6.9	55
1.5	287	6.6	8.7	75	302	4.6	8.2	56
2.1	294	5.3	7.7	69	310	3.5	7.6	46
3.1	300	3.0	6.2	48	321	1.8	6.7	26
3.6	304	2.0	5.7	35	326	1.0	6.6	16
4.5	324	0.5	5.4	10	072	0.9	6.4	14
5.8	096	1.3	5.7	23	096	2.9	6.8	43
6.0	102	1.5	5.8	26	097	3.1	7.1	43
7.6	095	4.3	6.5	66	095	4.9	7.4	66
9.5	090	7.4	8.8	85	094	7.9	9.3	85
10.6	087	10.2	11.0	92	087	9.9	10.7	92
12.3	082	15.8	16.5	95	081	13.9	14.7	94
14.1	078	21.8	22.7	96	076	18.1	19.3	94
16.6	083	27.8	28.9	96	083	25.1	25.9	97
18.5	082	24.7	25.2	98	083	22.8	23.2	98
20.5	082	23.3	23.8	98	081	22.2	22.7	98
24.0	085	27.8	28.3	98				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	281	0.3	1.2	29	010	0.3	0.7	41
0.15	301	1.8	4.7	38	020	2.0	4.3	47
0.3	263	0.7	1.5	51	032	0.5	1.3	42
0.6	283	2.4	5.3	46	053	2.7	4.9	55
0.7	293	2.5	5.3	46	046	2.4	4.6	52
0.9	307	2.4	5.4	44	027	2.0	4.5	44
1.5	317	3.0	6.1	49	016	2.7	5.4	49
2.1	326	2.8	5.9	48	001	3.3	6.0	55
3.1	323	2.1	5.3	39	340	2.7	5.8	46
3.6	313	1.6	5.3	30	321	2.1	5.8	37
4.5	251	1.0	5.1	19	282	2.4	6.0	40
5.8	186	0.8	5.1	16	262	4.0	7.3	55
6.0	170	0.8	5.2	14	261	4.4	7.7	57
7.6	105	1.3	5.5	23	255	6.6	9.7	68
9.5	114	2.0	6.5	31	249	9.6	11.9	81
10.6	108	2.8	6.9	40	246	11.5	13.8	83
12.3	099	4.9	9.4	52	242	12.0	14.8	81
14.1	093	8.3	12.4	67	236	9.3	13.0	72
16.6	094	12.1	13.7	88	193	2.8	8.3	34
18.5	084	11.7	12.6	93	074	3.7	6.5	56
20.5	082	13.4	14.2	94	079	6.6	7.6	87
24.0	086	19.2	20.1	95	088	10.2	11.0	92
26.5					087	12.2	12.7	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RAIPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	020	0.5	0.7	70	020	0.3	0.7	52
0.15	029	3.0	4.5	67	028	2.4	4.3	56
0.3	046	1.1	1.3	79	049	0.8	1.0	82
0.6	052	4.1	5.0	82	055	3.3	4.4	76
0.7	048	3.1	4.4	70	045	2.6	4.0	65
0.9	032	2.9	4.6	63	018	2.1	4.2	49
1.5	015	2.6	4.9	54	331	2.4	4.7	50
2.1	345	2.8	5.2	54	309	3.8	5.8	65
3.1	307	3.7	6.0	61	294	6.1	7.7	79
3.6	296	4.5	6.6	67	288	7.3	8.9	82
4.5	285	6.2	8.4	74	282	9.7	11.3	85
5.8	278	9.5	11.6	81	277	13.6	15.1	90
6.0	278	10.1	12.3	82	276	14.4	15.8	91
7.6	273	15.3	17.3	88	272	19.9	21.7	92
9.5	265	22.0	24.1	91	266	26.5	28.4	93
10.6	260	25.1	27.3	92	261	30.2	32.6	93
12.3	253	26.9	29.2	92	257	31.1	33.7	92
14.1	254	23.7	25.7	92	254	28.2	30.1	93
16.6	268	9.7	13.4	72	264	16.8	19.1	88
18.5	317	1.7	8.9	19	270	7.5	12.9	58
20.5	049	0.7	6.9	10	285	4.2	10.2	41
24.0	079	3.6	8.0	45	292	3.4	10.4	32
26.5	085	5.1	9.1	55	010	1.2	9.7	12
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	313	0.9	1.3	71	308	1.1	1.7	66
0.15	313	2.3	4.1	54	310	2.5	4.7	53
0.3								
0.6								
0.7	312	1.7	2.5	66	302	1.4	2.8	50
0.9	308	3.0	4.9	61	301	3.3	5.5	59
1.5	295	5.6	7.1	79	287	5.8	7.4	79
2.1	293	8.1	9.5	86	285	8.5	9.7	88
3.1	290	11.3	12.6	89	284	11.8	13.1	90
3.6	287	12.8	14.3	90	284	13.6	15.0	91
4.5	282	16.1	17.9	90	281	16.9	18.5	91
5.8	277	21.8	24.1	91	276	22.0	24.0	92
6.0	275	22.7	25.1	91	276	22.8	24.9	91
7.6	271	29.0	32.2	90	270	28.4	31.5	90
9.5	268	35.1	39.3	89	266	34.2	38.7	88
10.6	265	38.9	42.7	91	264	37.6	42.1	89
12.3	262	38.1	42.3	90	262	41.2	46.3	89
14.1	270	37.3	40.2	92	271	33.6	37.6	89
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	305	1.3	1.9	67	273	1.1	1.9	59
0.15	309	3.3	5.5	60	274	2.8	5.3	53
0.3								
0.6								
0.7	310	2.6	3.5	73	264	1.7	3.0	55
0.9	307	4.1	6.3	65	282	3.6	6.2	57
1.5	294	6.5	8.2	79	296	5.7	7.3	78
2.1	287	9.3	10.4	89	293	7.7	8.9	86
3.1	286	12.4	13.7	91	288	10.7	11.8	90
3.6	287	13.8	15.1	91	287	12.0	13.1	92
4.5	286	15.7	17.0	92	289	13.2	14.5	91
5.8	283	18.8	20.6	91	286	14.2	15.7	91
6.0	283	19.5	21.3	91	285	14.5	16.0	90
7.6	278	23.8	26.2	91	276	19.2	21.0	91
9.5	274	30.2	33.3	91	270	25.8	28.2	91
10.6	271	34.1	37.5	91	267	29.3	32.2	91
12.3	267	36.1	39.1	92	265	30.9	34.0	91
14.1	273	32.8	35.2	93	267	26.0	28.7	91
16.6	274	20.8	23.4	89	271	14.2	17.6	81
18.5	285	5.5	12.8	43	317	1.8	9.1	20
20.5					016	1.6	8.8	18
24.0					084	2.8	7.1	39
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	237	1.3	2.2	62	244	1.2	2.5	48
0.15	241	3.5	5.6	62	247	3.5	6.2	56
0.3								
0.6								
0.7	242	2.0	3.3	62	239	2.4	4.1	59
0.9	249	4.1	6.5	63	255	4.3	7.4	57
1.5	285	4.8	7.0	68	287	4.1	7.8	52
2.1	304	6.6	8.0	82	308	4.2	7.6	55
3.1	305	9.4	10.8	87	319	4.8	8.1	59
3.6	303	10.4	11.8	88	320	4.7	8.4	55
4.5	303	10.5	12.0	87	313	3.8	7.9	47
5.8	298	9.4	11.4	82	286	1.9	7.6	24
6.0	297	9.5	11.6	81	277	1.6	7.5	21
7.6	283	11.3	14.1	80	246	0.8	7.5	10
9.5	270	14.6	17.4	84	177	1.1	7.4	15
10.6	264	15.9	18.7	85	146	1.6	8.1	20
12.3	257	16.0	18.8	85	125	2.9	9.4	31
14.1	251	12.4	15.7	79	103	5.3	11.4	47
16.6	234	3.1	11.1	28	088	10.9	13.7	80
18.5	091	4.5	9.3	48	085	14.6	15.8	92
20.5	090	6.8	9.4	72	087	14.8	15.6	95
24.0	088	8.5	10.2	83	091	18.6	19.4	96
26.5	094	7.1	9.8	72	096	18.6	19.4	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	242	1.0	2.4	42	210	0.2	2.4	09
0.15	252	3.3	5.9	56	256	1.4	5.5	25
0.3								
0.6								
0.7	248	1.5	3.5	41	249	1.1	3.2	33
0.9	261	3.7	6.9	53	266	1.5	6.5	23
1.5	284	3.1	7.1	43	305	0.9	7.1	13
2.1	294	2.1	6.5	32	031	0.4	6.5	05
3.1	278	0.9	5.8	15	113	0.9	6.1	14
3.6	253	0.6	5.8	11	122	1.2	6.1	19
4.5	164	0.7	6.0	12	123	2.0	6.4	32
5.8	118	2.1	6.4	32	118	3.3	6.9	48
6.0	115	2.4	6.4	38	116	3.5	6.9	50
7.6	106	4.6	7.1	64	106	5.2	7.6	69
9.5	098	7.5	9.1	82	099	7.4	8.9	83
10.6	091	9.5	10.8	87	094	9.4	10.6	89
12.3	084	13.1	14.8	89	085	12.8	14.1	90
14.1	078	16.7	18.2	92	079	16.4	17.8	92
16.6	083	22.1	23.7	93	084	20.7	21.6	96
18.5	084	23.5	24.7	95	083	20.7	21.2	97
20.5	087	21.1	22.1	96	085	20.5	21.0	97
24.0	087	29.5	30.1	98	087	24.7	25.5	97
26.5	091	34.7	35.5	98	091	29.9	30.3	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	0.3	2.2	14	319	0.4	1.2	31
0.15	276	1.4	5.0	28	321	1.2	3.7	33
0.3								
0.6								
0.7	272	0.6	2.6	24	321	0.8	2.0	40
0.9	283	1.6	5.7	28	331	1.5	4.3	35
1.5	308	1.3	6.3	21	335	2.2	4.8	46
2.1	307	0.9	6.0	15	324	2.3	5.3	44
3.1	236	0.7	5.6	12	289	2.4	5.6	43
3.6	217	1.0	5.5	18	274	2.9	5.8	50
4.5	206	1.6	5.8	27	263	4.2	6.8	62
5.8	179	1.6	5.9	28	264	6.1	8.4	73
6.0	174	1.7	5.9	28	264	6.5	8.8	74
7.6	150	1.6	5.8	28	264	9.3	11.4	82
9.5	123	2.4	6.4	37	257	11.8	14.1	84
10.6	120	3.0	7.2	42	256	12.9	15.2	84
12.3	101	4.2	9.0	46	253	13.2	16.3	81
14.1	090	6.8	10.8	63	252	11.7	15.0	77
16.6	094	9.3	11.2	83	237	5.2	10.1	51
18.5	083	11.0	12.0	91	065	0.8	6.8	12
20.5	086	12.0	12.8	94	086	5.3	7.8	68
24.0	088	16.9	17.8	95	096	9.8	11.9	83
26.5	092	20.0	20.5	98				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : RANCHI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	346	0.7	1.1	61	323	0.9	1.2	78
0.15	354	1.9	3.8	51	329	2.4	4.1	58
0.3								
0.6								
0.7	355	0.9	2.1	43	324	1.3	2.4	53
0.9	353	2.2	4.2	53	325	2.9	4.7	62
1.5	330	2.7	4.8	55	308	4.5	5.8	77
2.1	312	3.5	5.7	61	301	6.0	7.2	83
3.1	292	5.3	7.2	74	292	8.5	9.8	87
3.6	288	6.3	8.1	79	289	9.9	11.2	89
4.5	284	8.4	10.2	83	284	13.1	14.4	91
5.8	279	11.8	13.6	87	279	17.5	19.0	92
6.0	279	12.4	14.3	87	279	18.4	19.9	92
7.6	274	17.1	19.1	90	275	24.6	26.3	93
9.5	268	23.1	25.1	92	272	31.4	33.5	94
10.6	266	25.6	28.1	91	269	34.4	36.6	94
12.3	261	27.6	30.4	91	266	36.1	38.4	94
14.1	263	24.7	27.3	90	264	33.9	35.5	95
16.6	270	14.8	17.0	87	270	20.9	22.6	92
18.5	279	6.5	10.0	65	287	10.6	14.0	76
20.5	304	2.8	7.8	36				
24.0	304	1.2	8.1	14				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	047	0.5	0.7	74	061	0.6	0.8	75
0.15	045	2.1	2.7	78	061	2.4	3.1	77
0.3	050	2.1	2.8	77	061	2.4	3.2	76
0.6	064	1.7	2.5	69	075	2.6	3.3	78
0.7	065	1.5	2.4	64	078	1.9	2.7	69
0.9	079	1.5	2.5	60	080	2.0	3.0	64
1.5	085	1.2	2.7	44	058	0.4	3.1	14
2.1	229	0.1	3.8	02	278	2.6	4.9	53
3.1	283	6.7	8.6	79	279	9.3	10.6	88
3.6	283	10.7	12.0	89	280	12.2	13.2	92
4.5	282	15.6	16.7	94	281	16.1	17.0	95
5.8	281	21.5	22.6	95	280	21.4	22.5	95
6.0	280	22.1	23.4	95	280	22.3	23.5	95
7.6	279	30.0	32.0	94	276	28.9	30.8	94
9.5	275	35.8	38.5	93	274	34.8	37.5	93
10.6	273	39.8	42.9	93	272	37.8	41.1	92
12.3	272	41.8	44.7	93	273	40.3	44.1	91
14.1	272	36.1	39.3	92	270	35.4	37.8	94
16.6	276	25.4	27.3	93	275	27.9	30.0	93
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	068	1.0	1.2	80	068	1.5	1.8	85
0.15	065	3.2	3.9	81	069	4.0	4.6	88
0.3	066	3.3	4.0	81	069	4.1	4.6	88
0.6	078	3.4	4.2	82	079	4.5	5.1	88
0.7	080	3.1	3.8	80	080	3.8	4.4	85
0.9	081	2.8	3.8	73	082	3.8	4.7	80
1.5	343	0.2	3.6	04	088	0.4	3.9	11
2.1	277	3.4	5.2	65	272	3.8	5.7	66
3.1	280	9.6	10.5	91	281	9.5	10.2	93
3.6	281	12.0	13.0	92	282	11.1	11.8	94
4.5	282	15.1	16.1	94	282	12.9	13.9	93
5.8	282	18.8	19.9	94	284	13.4	14.9	90
6.0	282	19.3	20.5	94	283	13.6	15.2	89
7.6	280	24.3	26.1	93	279	15.7	17.9	88
9.5	276	30.6	33.3	92	272	21.5	23.8	90
10.6	274	32.5	35.2	92	271	24.5	27.3	89
12.3	272	33.3	35.9	93	270	28.2	30.6	92
14.1	273	32.5	34.2	95	272	26.7	28.7	93
16.6	277	26.5	28.3	94	277	18.1	20.0	90
18.5	277	19.4	22.5	87	280	9.8	14.1	69
20.5	285	9.8	15.7	62	295	3.2	9.7	33
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	071	1.2	1.4	85	070	1.0	1.2	82
0.15	071	3.4	4.0	87	074	3.1	3.6	86
0.3	072	3.5	4.0	87	075	3.1	3.7	85
0.6	081	3.8	4.4	87	087	3.3	4.1	81
0.7	085	3.1	3.8	83	085	3.2	4.0	79
0.9	087	3.4	4.3	80	090	3.1	4.3	72
1.5	099	1.3	4.0	32	100	2.0	4.6	44
2.1	258	1.4	4.9	29	109	0.9	5.4	17
3.1	281	5.4	7.5	72	299	0.4	6.5	06
3.6	283	6.3	8.2	76	282	0.8	6.6	13
4.5	284	7.2	8.8	81	260	1.7	6.7	25
5.8	281	7.8	9.8	80	251	2.9	6.9	42
6.0	281	7.8	9.8	80	252	3.0	7.0	42
7.6	271	10.2	12.6	81	248	3.5	7.7	46
9.5	265	15.2	17.8	86	249	4.7	9.0	52
10.6	263	18.6	20.9	89	247	5.3	9.3	57
12.3	261	19.9	22.3	89	243	5.2	9.7	53
14.1	261	18.5	20.7	89	253	4.8	10.0	48
16.6	268	11.7	15.1	77	022	0.9	9.5	10
18.5	295	2.4	9.1	26	089	5.9	10.0	59
20.5	090	3.6	8.5	42	092	9.0	10.9	83
24.0	092	5.3	8.3	64				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	074	1.0	1.2	82	073	0.8	1.0	84
0.15	077	3.0	3.6	81	074	2.7	3.2	82
0.3	077	3.0	3.7	82	075	2.7	3.3	82
0.6	089	3.2	4.2	76	087	2.9	3.8	78
0.7	092	2.9	3.8	76	084	2.7	3.7	73
0.9	094	3.2	4.5	71	091	3.1	4.1	75
1.5	099	2.9	5.1	58	094	3.3	4.7	71
2.1	100	2.9	5.5	54	098	3.8	5.4	70
3.1	105	2.6	5.8	46	102	4.0	6.0	67
3.6	112	2.2	5.6	39	102	3.8	6.1	62
4.5	122	1.9	5.3	35	109	3.2	5.7	56
5.8	123	1.6	5.7	27	115	2.2	5.2	43
6.0	123	1.6	5.8	27	115	2.2	5.2	42
7.6	103	1.9	5.6	35	098	2.5	5.4	47
9.5	094	2.9	6.3	46	089	4.0	6.1	65
10.6	087	3.9	7.3	53	086	4.6	7.3	62
12.3	080	5.1	8.9	58	076	6.1	9.2	66
14.1	074	7.5	10.9	69	074	7.9	10.8	73
16.6	072	11.3	13.8	82	079	11.9	13.4	89
18.5	078	14.7	16.0	92	085	14.1	15.2	92
20.5	086	15.7	16.8	93	088	14.9	15.6	95
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	073	0.8	0.9	82	052	0.6	0.8	76
0.15	072	2.4	3.0	81	053	2.1	2.8	77
0.3	073	2.5	3.1	80	054	2.2	2.8	77
0.6	085	2.4	3.3	73	067	1.8	2.7	66
0.7	089	2.2	3.0	73	062	1.4	2.3	59
0.9	090	2.3	3.5	66	073	1.5	2.7	53
1.5	093	2.3	4.2	56	086	0.9	3.1	31
2.1	103	2.0	4.4	46	108	0.4	3.6	12
3.1	118	1.8	4.9	37	257	0.6	4.4	13
3.6	127	1.3	5.0	26	270	1.6	5.0	33
4.5	194	1.1	5.2	21	268	5.1	7.2	71
5.8	236	2.0	5.8	34	265	9.0	10.7	84
6.0	236	2.1	5.8	37	265	9.7	11.3	85
7.6	238	2.6	6.3	42	264	14.0	15.7	89
9.5	239	3.1	7.4	42	261	18.0	19.9	90
10.6	246	3.3	8.4	39	261	20.2	22.1	91
12.3	255	3.0	9.4	32	260	20.9	23.1	91
14.1	284	1.7	9.3	18	261	18.6	20.8	89
16.6	069	3.0	8.7	34	264	12.1	15.3	79
18.5	086	6.3	9.4	67	262	5.8	11.8	49
20.5	094	8.7	10.5	83	189	2.2	11.1	19
24.0	090	12.1	14.8	82				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SILIGURI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	037	0.7	0.8	83	043	0.6	0.7	82
0.15	041	2.4	2.9	82	045	2.3	2.8	82
0.3	042	2.4	2.9	82	046	2.3	2.8	82
0.6	060	1.7	2.5	68	059	1.7	2.4	70
0.7	062	1.2	2.0	62	056	1.4	2.1	68
0.9	069	1.3	2.3	55	069	1.4	2.2	61
1.5	081	1.2	2.6	44	087	1.5	2.6	59
2.1	097	1.0	3.5	29	107	0.9	3.5	26
3.1	281	1.8	5.4	33	283	4.6	7.2	64
3.6	283	4.8	7.2	66	284	8.4	10.2	82
4.5	279	9.9	11.4	87	284	13.5	14.7	92
5.8	277	15.1	16.2	93	282	19.0	20.3	94
6.0	277	15.8	16.9	93	281	19.9	21.1	94
7.6	274	21.9	23.6	93	279	26.3	28.1	93
9.5	272	30.3	32.3	94	277	33.4	35.5	94
10.6	271	33.7	36.0	94	274	36.2	38.7	93
12.3	268	34.4	36.7	94	271	37.3	39.6	94
14.1	269	33.0	35.2	94	271	36.2	38.3	95
16.6	268	23.4	25.0	94	276	25.4	27.7	91
18.5	271	16.8	19.7	85	295	14.0	20.8	67
20.5	278	11.3	18.3	62	286	6.7	13.4	50
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	124	0.1	0.3	42	112	0.1	0.5	28
0.15	117	0.6	1.9	33	121	0.7	2.1	31
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	126	0.6	1.7	36	123	0.6	2.0	29
3.1	140	2.0	2.9	66	145	1.7	3.0	57
3.6	153	3.1	4.3	72	151	3.1	4.4	70
4.5	184	4.5	6.6	68	186	4.4	6.7	65
5.8	233	8.0	11.3	71	236	7.3	10.8	68
6.0	239	8.6	11.9	73	241	8.2	11.9	69
7.6	256	14.9	18.5	81	256	15.2	18.6	81
9.5	264	23.3	27.2	86	265	24.3	28.0	87
10.6	267	28.1	32.0	88	268	29.1	32.5	89
12.3	269	33.8	36.3	93	270	35.7	38.3	93
14.1	276	31.9	33.7	95	268	32.3	34.9	93
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	0.1	0.6	07	118	0.1	0.5	12
0.15	103	0.4	2.2	19	114	0.6	2.3	27
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	125	0.6	2.1	26	126	0.7	2.1	32
3.1	143	1.9	3.2	60	138	0.7	2.8	26
3.6	151	3.0	4.6	66	146	1.3	3.5	39
4.5	189	3.9	6.7	58	202	1.7	5.6	30
5.8	242	7.1	10.8	65	256	4.7	8.7	54
6.0	247	8.0	11.9	68	260	5.4	9.3	58
7.6	259	14.2	18.3	78	268	10.2	13.9	73
9.5	265	21.9	26.1	84	272	16.8	20.6	81
10.6	269	27.2	31.0	88	273	20.5	24.3	84
12.3	272	32.3	35.8	90	275	25.8	29.6	87
14.1	277	31.9	34.3	93	277	26.1	30.0	87
16.6					271	20.9	24.8	84
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	125	0.3	0.7	36	117	0.2	0.5	45
0.15	124	1.2	2.5	48	117	0.9	2.1	42
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	128	0.8	2.3	33	107	0.5	2.0	24
3.1	052	0.1	2.6	01	313	0.9	2.5	37
3.6	144	0.2	3.5	06	308	1.3	3.2	39
4.5	259	1.4	5.2	27	308	1.7	4.3	40
5.8	272	4.4	8.0	55	296	3.2	6.2	51
6.0	271	4.9	8.4	58	291	3.7	6.6	56
7.6	270	9.1	12.4	73	282	8.6	11.3	76
9.5	272	15.3	18.9	80	276	16.4	19.4	84
10.6	274	19.1	23.0	83	276	20.1	23.2	87
12.3	275	25.3	28.8	88	275	23.0	26.1	88
14.1	275	26.0	28.1	92	274	21.7	24.6	88
16.6	277	19.9	22.2	89	286	13.1	18.2	72
18.5	280	12.0	15.6	77				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	089	0.1	0.5	22	119	0.1	0.4	27
0.15	076	0.5	2.1	23	091	0.4	2.1	22
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	011	0.6	2.2	28	007	0.8	2.3	34
3.1	316	1.0	2.5	39	315	0.9	2.1	42
3.6	309	0.8	2.6	30	304	0.6	2.3	25
4.5	323	0.7	3.5	20	236	0.2	3.2	07
5.8	271	1.5	5.2	28	234	1.7	5.1	33
6.0	263	1.8	5.6	33	235	2.2	5.6	39
7.6	263	6.2	9.7	64	253	6.8	9.5	72
9.5	264	10.8	14.2	76	259	11.1	13.8	81
10.6	265	12.7	16.0	79	259	13.0	15.8	82
12.3	265	15.3	18.6	82	260	14.8	18.0	82
14.1	273	13.0	16.5	79	268	13.2	17.3	76
16.6	322	5.2	12.0	44	281	5.0	12.0	41
18.5	061	4.6	10.3	44	069	4.6	9.4	49
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	122	0.1	0.4	39	115	0.2	0.3	49
0.15	102	0.8	1.9	42	118	1.1	1.9	56
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	035	0.4	2.0	22	120	0.7	1.7	40
3.1	310	0.3	2.0	14	149	0.2	2.0	09
3.6	146	0.1	2.5	05	142	0.8	2.7	30
4.5	206	0.5	3.9	14	190	1.2	4.3	29
5.8	247	2.5	5.9	41	254	4.1	7.2	57
6.0	251	3.1	6.4	48	257	4.9	7.8	62
7.6	262	8.7	11.6	75	267	10.8	13.3	81
9.5	263	16.3	18.7	87	268	18.7	20.8	90
10.6	264	19.8	22.1	89	268	23.3	25.7	90
12.3	265	23.6	25.6	92	271	29.1	31.5	92
14.1	269	21.3	23.2	92	269	29.2	31.3	93
16.6	271	13.7	17.7	77				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : SRINAGAR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	123	0.2	0.3	47	115	0.1	0.3	36
0.15	122	1.1	2.0	56	120	0.8	1.9	42
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	134	0.7	1.6	41	120	0.5	1.6	31
3.1	136	0.6	2.1	27	139	1.3	2.4	52
3.6	142	1.7	3.2	52	147	2.7	3.8	70
4.5	183	2.2	4.8	46	186	4.0	6.0	67
5.8	249	5.4	8.7	62	241	7.4	10.4	71
6.0	253	6.4	9.7	66	244	8.3	11.3	73
7.6	266	13.0	16.3	80	258	15.0	18.1	83
9.5	271	19.8	23.4	85	264	24.2	27.1	89
10.6	273	25.1	28.6	88	267	28.9	32.2	90
12.3	275	30.4	33.9	90	270	35.5	37.9	94
14.1	279	34.6	36.6	94	275	34.0	35.5	96
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	035	0.8	1.4	60	007	1.1	1.6	68
0.15	035	1.5	2.9	52	006	1.9	3.2	61
0.3	037	1.4	2.8	50	003	1.9	3.2	59
0.6	052	1.1	2.7	42	008	1.3	2.9	45
0.7	061	1.4	2.4	58	021	1.2	2.5	49
0.9	060	1.4	2.8	50	040	1.3	2.9	46
1.5	057	1.9	3.6	54	060	2.8	4.0	69
2.1	070	2.0	4.1	47	063	3.6	5.1	70
3.1	083	2.4	4.8	50	073	2.6	5.0	51
3.6	083	2.9	5.2	54	077	2.5	5.3	48
4.5	082	4.0	6.2	64	078	3.0	6.1	49
5.8	078	4.7	7.5	62	076	3.4	7.2	47
6.0	078	4.6	7.6	61	076	3.4	7.3	47
7.6	072	3.6	8.4	43	057	2.9	8.7	33
9.5	133	1.6	8.5	19	129	1.0	8.8	11
10.6	168	3.5	9.7	36	158	2.4	9.5	25
12.3	170	5.4	12.1	44	157	3.9	11.7	34
14.1	170	3.8	12.5	31	140	3.1	12.1	25
16.6	091	2.3	8.8	26	076	2.4	8.4	28
18.5	073	1.4	7.1	20	351	0.7	7.4	10
20.5	113	1.3	9.7	13	244	1.1	10.2	11
24.0	097	4.7	14.3	32	100	3.8	15.4	25
26.5	088	6.2	18.0	35	096	5.5	18.3	30
31.0	091	4.8	15.0	32	089	6.5	15.4	42
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	356	1.9	2.3	80	342	2.4	2.8	85
0.15	353	3.1	4.1	76	341	4.1	4.9	84
0.3	351	3.0	4.1	74	337	4.1	4.9	83
0.6	346	2.5	3.8	66	325	4.0	5.0	79
0.7	357	2.3	3.6	63	326	3.6	4.7	76
0.9	005	1.8	3.6	51	325	3.4	4.8	71
1.5	062	3.2	4.5	72	012	1.9	4.4	43
2.1	067	5.9	6.7	87	058	4.2	5.4	78
3.1	070	6.0	7.3	82	064	6.9	7.8	89
3.6	075	5.1	6.6	77	066	6.5	7.5	86
4.5	081	4.4	6.3	70	074	4.5	6.3	72
5.8	077	4.0	6.7	60	079	3.5	6.3	55
6.0	075	3.9	6.9	56	077	3.3	6.4	52
7.6	069	2.0	7.6	26	080	2.0	7.0	28
9.5	215	1.6	8.8	18	208	1.0	7.5	13
10.6	214	3.2	9.8	32	199	2.7	8.1	34
12.3	209	4.2	11.4	37	185	3.9	9.7	40
14.1	217	2.6	11.6	22	175	2.7	10.0	27
16.6	085	2.1	8.0	26	088	4.4	8.4	52
18.5	015	0.6	7.2	08	086	1.7	7.5	23
20.5	251	1.5	9.6	15	234	1.0	9.2	11
24.0	098	3.0	14.3	21	091	5.7	14.8	39
26.5	089	6.0	17.6	34	088	10.9	18.1	60
31.0	092	7.4	18.3	41	100	10.6	18.5	57
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	330	3.2	3.8	84	311	4.0	4.7	86
0.15	327	5.4	6.2	87	313	6.7	7.5	89
0.3	324	5.7	6.5	88	310	7.2	8.0	90
0.6	313	6.4	7.1	90	299	9.5	10.2	93
0.7	312	6.4	7.0	91	299	9.9	10.5	94
0.9	307	6.7	7.5	89	294	11.3	12.0	94
1.5	304	5.6	6.9	81	291	12.7	13.4	95
2.1	320	3.0	6.0	50	288	12.2	13.0	94
3.1	042	2.9	6.7	42	281	10.2	11.5	89
3.6	051	3.3	7.0	46	279	8.9	10.4	85
4.5	044	2.1	6.3	33	275	6.8	8.7	78
5.8	009	0.7	5.8	12	275	4.2	6.6	64
6.0	009	0.7	5.8	12	276	3.6	6.2	58
7.6	062	0.6	5.8	10	004	0.7	5.4	14
9.5	099	1.4	5.8	24	072	5.3	7.8	68
10.6	108	2.5	6.6	38	081	9.2	11.2	82
12.3	104	6.0	9.6	62	082	18.1	19.3	94
14.1	096	10.7	13.4	80	080	28.1	29.0	97
16.6	092	11.5	13.1	88	087	23.2	24.0	97
18.5	093	4.5	8.1	56	088	12.0	13.1	91
20.5	099	4.3	9.4	46	091	11.0	12.5	88
24.0	092	13.9	17.1	81	091	16.8	18.5	91
26.5	091	18.8	21.5	87	090	20.8	22.1	94
31.0	094	17.0	19.9	85				
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	321	4.7	5.3	89	323	4.6	5.1	90
0.15	320	7.9	8.5	93	321	7.8	8.4	93
0.3	317	8.6	9.1	94	319	8.5	9.1	94
0.6	308	10.9	11.6	94	311	10.6	11.2	95
0.7	306	12.0	12.5	96	311	10.7	11.1	96
0.9	302	12.7	13.4	95	306	12.1	12.7	95
1.5	299	13.9	14.4	96	301	12.8	13.3	96
2.1	295	13.1	13.7	95	296	12.1	12.8	95
3.1	287	10.5	11.3	92	287	9.5	10.4	92
3.6	283	8.8	9.7	90	283	8.0	9.0	89
4.5	279	6.0	7.5	80	278	5.6	6.9	81
5.8	278	2.7	5.6	48	281	2.6	5.4	48
6.0	280	2.1	5.4	38	282	2.0	5.3	39
7.6	079	2.5	5.8	43	082	2.4	5.6	43
9.5	084	8.1	9.6	84	092	8.5	9.7	87
10.6	086	12.9	14.2	91	091	13.7	14.6	94
12.3	083	23.2	23.9	97	085	23.9	24.6	97
14.1	080	32.8	33.5	98	081	33.7	34.4	98
16.6	086	25.2	26.0	97	088	23.4	24.1	97
18.5	089	15.4	16.1	95	087	13.9	14.6	95
20.5	091	15.8	16.5	96	089	14.7	15.4	95
24.0	090	21.0	21.7	97	089	19.4	20.2	96
26.5	094	23.3	24.2	96	091	21.9	23.3	94
31.0	095	26.4	27.3	97	096	24.0	24.8	97
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	330	3.6	4.0	88	331	1.8	2.3	78
0.15	327	6.5	7.1	92	328	3.6	4.7	76
0.3	325	7.0	7.6	92	325	3.7	4.9	76
0.6	315	8.2	8.8	92	309	4.1	5.4	76
0.7	313	8.4	9.0	93	306	4.3	5.7	76
0.9	309	8.9	9.7	93	303	4.2	5.7	74
1.5	298	8.8	9.6	92	300	3.6	6.1	58
2.1	291	7.6	8.7	88	300	2.7	6.2	44
3.1	286	5.6	7.2	79	291	2.3	6.1	39
3.6	285	4.8	6.4	74	288	2.1	5.9	36
4.5	280	3.2	5.5	58	288	1.2	5.6	21
5.8	284	0.7	4.6	15	060	0.4	5.2	07
6.0	294	0.2	4.7	05	080	0.6	5.1	12
7.6	092	3.2	5.7	56	091	2.4	5.2	45
9.5	096	7.8	8.8	88	096	5.1	6.8	75
10.6	095	11.8	12.6	94	096	7.6	9.1	84
12.3	088	19.4	20.1	96	093	12.3	13.8	89
14.1	087	26.8	27.6	97	095	16.2	17.9	91
16.6	090	16.6	17.4	96	093	9.5	11.0	86
18.5	090	10.7	11.8	91	086	6.0	8.4	71
20.5	088	11.5	12.8	89	091	7.5	10.6	71
24.0	092	16.4	17.8	92	093	13.2	16.3	80
26.5	092	16.3	18.8	86	093	12.9	17.9	72
31.0	097	22.0	23.4	94	101	12.3	18.0	68
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : THIRUVANANTHAPURAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	340	0.8	1.5	55	036	0.7	1.3	57
0.15	341	1.7	3.1	53	032	1.6	3.0	52
0.3	338	1.6	3.2	51	033	1.5	3.0	50
0.6	328	1.4	3.4	43	047	1.3	2.9	44
0.7	351	1.2	3.4	35	060	1.4	2.7	51
0.9	345	1.2	3.8	33	060	1.6	3.2	49
1.5	027	1.3	4.6	28	061	2.0	4.0	50
2.1	035	1.1	4.9	23	075	2.0	4.3	47
3.1	032	0.6	5.3	11	087	2.9	5.0	57
3.6	064	0.7	5.6	12	086	3.5	5.5	64
4.5	072	1.6	5.8	27	084	4.4	6.3	70
5.8	074	2.7	6.1	44	081	5.2	7.3	71
6.0	075	2.8	6.2	46	081	5.2	7.4	71
7.6	082	3.6	6.4	57	079	4.0	7.3	54
9.5	098	4.4	6.8	64	127	2.7	7.9	34
10.6	110	5.8	8.2	71	149	4.5	9.2	49
12.3	113	8.4	11.3	74	162	5.8	11.5	50
14.1	112	8.1	12.2	67	196	3.7	11.6	32
16.6	094	5.7	8.7	66	087	2.2	7.8	28
18.5	077	3.4	7.6	44	078	3.1	7.4	42
20.5	093	5.1	10.1	50	095	3.6	10.2	35
24.0	095	10.2	16.1	63	099	6.0	15.0	40
26.5	095	9.2	18.0	51	089	4.9	18.9	26
31.0	100	7.6	19.7	39	322	1.1	14.0	08
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	024	1.2	2.3	53	254	0.9	2.6	36
0.15	032	1.6	3.5	45	251	1.3	3.8	34
0.3	039	1.7	3.7	46	246	1.2	3.9	31
0.6	061	1.9	3.7	51	221	1.1	4.1	27
0.7	058	2.0	3.6	55	233	1.0	4.0	24
0.9	060	2.1	3.9	53	217	0.7	4.1	17
1.5	031	2.3	4.4	52	329	0.9	4.6	20
2.1	360	2.3	5.2	45	328	2.4	5.5	44
3.1	306	3.7	6.4	57	304	4.5	7.0	64
3.6	293	4.8	7.3	66	294	5.5	7.8	70
4.5	282	7.0	9.1	77	282	7.8	9.9	79
5.8	276	10.3	12.3	84	277	11.0	13.0	84
6.0	275	10.9	12.9	84	276	11.7	13.7	85
7.6	273	15.3	17.3	88	273	16.0	18.4	87
9.5	266	20.1	21.8	92	266	20.7	23.1	89
10.6	261	21.7	23.6	92	261	21.9	24.1	90
12.3	256	21.7	23.6	92	257	22.1	24.4	90
14.1	251	18.8	21.0	89	253	18.8	21.4	88
16.6	259	9.0	12.2	74	261	9.9	12.5	79
18.5	267	3.9	7.7	51	273	5.0	8.1	62
20.5	291	2.0	6.2	32	277	2.6	6.3	41
24.0	058	1.6	7.5	21	052	1.7	6.1	28
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	239	2.6	3.2	81	235	4.2	4.7	90
0.15	242	3.7	4.6	81	238	5.8	6.3	93
0.3	242	3.9	4.8	81	239	6.2	6.7	93
0.6	238	4.1	5.1	80	238	6.8	7.3	93
0.7	244	3.7	4.8	76	234	5.7	6.3	90
0.9	237	3.4	4.8	71	238	5.9	6.6	89
1.5	270	1.6	4.3	38	254	2.9	4.6	62
2.1	327	2.1	4.7	45	313	1.9	4.2	46
3.1	331	3.9	6.2	62	353	3.5	5.5	63
3.6	323	4.3	6.9	63	351	4.0	6.1	66
4.5	303	5.3	7.9	67	333	4.3	6.6	64
5.8	285	7.8	10.3	76	299	4.9	7.8	63
6.0	284	8.2	10.8	76	295	5.2	8.1	64
7.6	275	12.3	14.9	82	276	9.0	11.9	75
9.5	267	18.0	20.4	88	267	13.7	16.5	83
10.6	263	20.1	22.4	89	262	16.3	18.9	86
12.3	257	21.0	23.4	90	256	18.1	20.5	88
14.1	258	18.1	20.6	88	256	15.0	17.3	86
16.6	261	9.0	12.3	73	262	4.6	9.6	48
18.5	272	3.5	7.9	44	045	0.5	7.0	07
20.5	281	2.0	6.7	30	048	1.1	6.3	17
24.0	075	2.3	6.9	34	073	4.4	8.2	53
26.5					087	6.1	10.6	57
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	231	4.0	4.7	86	241	4.4	5.1	87
0.15	235	5.5	6.4	86	244	6.3	6.9	90
0.3	236	6.0	6.9	87	246	6.9	7.7	90
0.6	237	6.8	7.8	87	252	8.3	9.2	90
0.7	241	6.8	7.8	87	250	8.9	9.9	90
0.9	240	6.2	7.4	83	259	8.6	9.9	87
1.5	262	3.4	5.7	60	271	7.9	9.6	83
2.1	315	2.8	5.3	52	283	6.5	8.6	75
3.1	353	4.2	6.3	67	301	4.6	7.7	60
3.6	358	5.0	7.1	71	308	4.0	7.5	54
4.5	358	5.2	7.3	72	320	3.0	7.2	42
5.8	351	3.8	6.7	56	331	1.8	6.5	28
6.0	349	3.6	6.8	53	336	1.5	6.5	24
7.6	303	2.9	7.6	38	067	1.7	6.1	28
9.5	261	4.5	8.5	53	091	5.3	7.4	72
10.6	247	5.3	9.1	58	092	7.6	9.2	82
12.3	227	5.9	10.2	58	090	12.2	13.5	90
14.1	192	4.7	10.3	46	087	18.1	19.4	93
16.6	109	6.9	10.0	68	089	23.3	24.0	97
18.5	094	9.0	10.1	88	089	20.1	20.6	97
20.5	084	8.3	9.1	92	083	16.8	17.3	97
24.0	088	12.1	12.9	93	090	19.1	19.5	98
26.5	093	15.0	15.7	96	093	21.2	21.5	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	243	4.6	5.1	90	245	4.1	4.7	87
0.15	245	6.5	6.9	94	247	5.7	6.4	89
0.3	247	7.1	7.6	94	249	6.2	6.9	90
0.6	253	8.5	9.2	93	256	7.1	8.0	89
0.7	256	8.8	9.5	92	259	6.9	8.1	85
0.9	260	9.1	10.0	91	263	7.5	8.7	87
1.5	272	9.4	10.6	89	277	7.9	9.4	84
2.1	279	9.0	10.1	88	284	7.9	9.4	84
3.1	281	7.0	8.4	84	285	6.6	8.3	79
3.6	279	5.9	7.7	77	283	5.7	7.6	75
4.5	279	4.4	7.0	63	282	4.0	7.0	58
5.8	281	1.9	6.1	31	274	1.9	6.4	29
6.0	280	1.4	6.0	23	274	1.5	6.4	23
7.6	089	2.6	6.2	42	098	2.4	6.5	37
9.5	090	8.1	9.4	86	096	7.6	9.0	85
10.6	089	12.2	12.9	94	092	11.3	12.1	93
12.3	085	19.0	19.6	97	085	17.5	18.3	96
14.1	081	25.5	26.4	97	081	23.6	24.4	96
16.6	085	31.2	32.0	97	087	27.9	28.5	98
18.5	087	24.9	25.6	97	089	22.7	23.1	98
20.5	084	20.2	20.8	97	085	20.7	21.2	97
24.0	091	23.3	23.6	98	091	25.5	25.8	99
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	2.2	3.1	69	014	1.2	2.9	42
0.15	249	3.3	4.8	68	016	1.7	4.3	41
0.3	250	3.5	5.1	68	026	1.9	4.5	42
0.6	255	3.6	5.6	64	048	2.3	5.0	46
0.7	256	4.1	6.2	66	057	3.0	5.5	56
0.9	262	3.3	5.8	57	058	2.7	5.4	51
1.5	283	3.2	6.3	50	064	3.2	5.8	55
2.1	290	3.2	6.4	50	064	2.9	5.8	50
3.1	296	2.7	6.1	45	058	1.7	5.3	32
3.6	299	2.2	5.9	38	064	1.2	5.2	24
4.5	312	1.0	5.6	18	095	1.2	5.1	23
5.8	079	0.8	5.7	14	109	1.4	5.5	26
6.0	084	1.2	5.6	21	109	1.4	5.5	25
7.6	099	3.1	6.0	52	143	1.2	5.8	21
9.5	101	6.0	7.4	81	172	1.8	6.7	26
10.6	098	8.0	8.9	89	174	2.6	7.7	33
12.3	092	12.2	13.2	93	163	3.7	9.5	39
14.1	088	17.2	18.2	94	144	5.4	11.0	49
16.6	092	19.6	20.2	97	110	7.3	10.0	73
18.5	088	15.4	15.9	97	091	7.2	8.7	83
20.5	085	14.6	15.0	98	084	8.2	9.2	89
24.0	089	16.5	16.8	98	087	12.3	12.9	95
26.5					094	13.0	13.6	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 0530 IST

STATION : VISHAKHAPATNAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	028	3.5	4.1	84	033	2.9	3.3	87
0.15	033	4.8	5.6	86	038	4.1	4.7	88
0.3	038	5.2	5.9	87	044	4.3	4.9	88
0.6	051	5.8	6.6	88	057	4.6	5.2	89
0.7	054	5.7	6.3	89	057	4.7	5.1	92
0.9	057	5.9	6.8	87	059	4.5	5.2	87
1.5	062	5.0	6.5	78	052	3.7	5.1	72
2.1	064	3.5	5.7	61	039	2.5	5.0	50
3.1	053	1.9	5.1	36	340	1.7	5.2	33
3.6	044	1.4	5.3	26	317	2.1	5.6	37
4.5	015	0.8	5.5	15	296	3.3	6.7	49
5.8	316	1.2	6.4	19	281	5.5	8.6	63
6.0	307	1.5	6.7	22	279	5.9	9.0	66
7.6	275	3.9	7.9	49	271	10.0	12.5	80
9.5	256	7.7	10.5	73	265	15.0	17.2	87
10.6	245	9.5	12.1	79	257	17.4	19.8	88
12.3	233	11.5	14.5	79	248	19.4	22.1	88
14.1	232	10.5	13.7	76	247	17.7	20.1	88
16.6	221	2.5	8.3	30	261	7.4	11.0	67
18.5	090	1.6	6.1	26	266	0.9	7.0	12
20.5	075	2.8	5.9	47	330	0.4	5.8	08
24.0	091	6.7	8.5	78	071	3.3	7.5	44
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	311	0.3	0.4	60	254	0.3	0.8	32
0.15	311	2.0	3.2	62	275	1.6	3.6	45
0.3	304	2.0	3.3	61	267	1.9	3.7	51
0.6	292	1.8	3.1	56	258	2.3	3.8	60
0.7	280	1.8	3.1	59	247	2.4	3.9	62
0.9	277	1.7	3.2	54	254	2.8	4.3	66
1.5	277	3.1	4.7	65	264	4.2	5.7	74
2.1	281	5.8	7.2	81	277	6.7	8.0	84
3.1	280	10.7	11.8	91	281	11.1	12.2	91
3.6	279	12.9	14.0	92	280	13.2	14.2	93
4.5	276	16.5	17.6	93	278	16.5	17.6	94
5.8	274	22.2	23.5	94	275	21.4	22.8	94
6.0	273	23.1	24.5	94	275	22.5	23.9	94
7.6	271	29.1	30.6	95	274	28.8	30.5	94
9.5	269	34.4	36.3	95	271	34.9	37.0	94
10.6	267	36.0	37.9	95	272	35.9	37.9	95
12.3	266	36.5	38.4	95	271	37.1	39.9	93
14.1	265	37.1	39.6	94	274	34.6	36.8	94
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	194	1.0	1.8	57	178	2.4	3.0	81
0.15	217	2.4	4.6	52	182	4.5	5.9	76
0.3	219	2.9	5.0	59	185	4.9	6.2	79
0.6	222	3.6	5.4	67	192	5.3	6.4	82
0.7	221	4.4	5.6	77	195	4.7	5.7	82
0.9	232	4.2	5.7	74	205	5.5	6.6	83
1.5	254	5.5	6.8	81	236	5.7	7.0	81
2.1	269	7.7	8.9	86	261	7.1	8.4	84
3.1	280	11.3	12.4	91	277	10.1	11.4	88
3.6	282	12.9	13.9	93	281	11.2	12.7	89
4.5	281	15.3	16.2	94	280	12.9	14.4	90
5.8	279	18.4	19.7	93	278	14.8	16.4	90
6.0	278	19.1	20.4	94	278	15.1	16.7	90
7.6	276	23.6	25.4	93	276	18.4	20.3	91
9.5	272	29.1	31.6	92	273	23.5	26.0	90
10.6	271	30.6	33.4	92	271	26.2	28.9	91
12.3	270	32.0	34.7	92	270	27.6	30.6	90
14.1	269	31.1	33.7	92	271	25.0	28.3	88
16.6					276	18.2	20.9	87
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	169	1.8	2.6	69	171	2.3	2.7	85
0.15	171	3.6	5.4	68	174	4.6	5.7	80
0.3	175	4.1	5.8	70	178	5.2	6.2	84
0.6	184	4.7	6.3	74	184	6.0	6.9	86
0.7	189	4.9	6.3	78	183	6.2	6.9	90
0.9	196	5.0	6.6	76	190	6.3	7.3	86
1.5	222	4.8	6.6	73	197	5.5	7.2	76
2.1	250	5.2	7.3	72	207	4.4	7.0	62
3.1	278	6.9	9.0	77	225	3.3	7.3	45
3.6	283	7.7	9.7	79	230	3.0	7.3	41
4.5	283	8.3	10.4	80	231	2.7	7.3	37
5.8	276	9.4	11.4	83	223	2.6	7.2	36
6.0	275	9.6	11.7	82	224	2.5	7.2	34
7.6	269	11.5	14.0	82	220	2.8	7.6	37
9.5	262	14.1	16.9	84	201	2.6	8.3	31
10.6	259	15.7	18.1	87	196	2.5	9.0	27
12.3	256	16.7	19.3	86	167	2.1	10.1	21
14.1	255	16.5	19.1	86	104	1.9	10.8	18
16.6	258	10.3	14.7	70	082	7.7	11.9	65
18.5					087	11.1	13.0	85
20.5					086	11.9	14.5	82
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	178	2.8	3.0	91	173	1.8	2.2	82
0.15	180	5.4	6.2	87	175	3.9	5.1	76
0.3	183	5.9	6.7	88	178	4.4	5.5	80
0.6	186	6.6	7.5	89	180	5.0	6.1	83
0.7	181	6.4	7.2	89	180	5.6	6.5	87
0.9	189	7.0	8.0	88	180	5.3	6.5	82
1.5	190	6.5	8.0	82	177	5.3	6.8	78
2.1	189	5.6	7.6	74	171	4.8	6.8	70
3.1	186	4.1	7.1	58	161	4.1	6.5	62
3.6	180	3.6	6.8	53	151	3.7	6.4	57
4.5	168	3.0	6.6	44	141	3.4	6.4	53
5.8	145	2.6	6.4	40	122	3.2	6.2	52
6.0	140	2.5	6.5	38	120	3.2	6.2	51
7.6	113	3.3	6.6	50	103	4.0	6.7	60
9.5	100	4.8	7.7	63	091	5.6	7.9	71
10.6	094	6.1	8.9	68	085	6.7	9.0	74
12.3	084	8.4	11.4	73	078	9.3	11.8	78
14.1	078	11.4	14.2	80	072	11.4	14.3	80
16.6	076	17.0	18.5	92	079	15.5	17.5	88
18.5	084	17.9	19.0	94	084	16.7	18.1	92
20.5	086	17.8	19.5	91	085	16.7	18.2	91
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	174	1.1	1.4	77	162	0.2	0.7	31
0.15	178	2.4	4.1	58	330	0.5	3.3	15
0.3	183	2.8	4.4	63	307	0.5	3.4	14
0.6	188	3.3	4.8	69	256	0.6	3.4	17
0.7	184	3.3	4.6	71	227	0.8	3.1	26
0.9	189	3.6	5.0	72	234	1.0	3.4	29
1.5	192	3.6	5.3	68	231	1.6	4.0	40
2.1	193	3.1	5.3	59	241	2.2	4.5	48
3.1	193	2.8	5.5	50	249	3.3	5.6	60
3.6	192	2.4	5.4	45	254	4.2	6.2	67
4.5	191	2.0	5.5	36	260	5.7	7.6	75
5.8	187	1.6	6.0	26	264	7.2	9.1	79
6.0	187	1.6	6.1	27	263	7.5	9.4	80
7.6	167	1.5	6.2	24	263	9.0	11.3	79
9.5	137	1.8	7.1	26	261	11.1	14.0	79
10.6	110	2.4	8.2	29	260	11.8	15.0	79
12.3	086	3.4	9.6	35	259	12.1	15.6	77
14.1	069	5.9	11.4	51	257	10.7	15.4	69
16.6	077	8.6	12.1	71	249	5.3	12.6	42
18.5	087	10.9	12.8	85	249	3.4	10.3	33
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AGARTALA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	018	0.1	0.3	28	340	0.2	0.3	54
0.15	345	1.9	3.2	59	329	2.1	3.1	66
0.3	345	1.7	3.2	54	326	1.8	3.0	61
0.6	345	1.1	2.9	37	318	1.3	2.7	48
0.7	341	1.0	2.6	38	319	1.0	2.5	40
0.9	324	0.5	2.9	17	300	0.9	2.8	32
1.5	263	1.2	3.7	31	279	1.7	3.9	44
2.1	262	2.5	4.8	52	283	4.2	5.8	72
3.1	269	5.3	7.3	73	281	8.5	9.9	86
3.6	270	7.1	8.9	79	279	10.8	12.1	90
4.5	271	9.8	11.4	86	277	13.8	14.9	92
5.8	271	13.0	14.6	89	274	18.0	19.3	93
6.0	271	13.8	15.3	90	273	18.8	20.0	93
7.6	268	18.2	20.0	91	271	24.0	25.5	94
9.5	265	22.6	25.0	90	267	30.0	31.7	95
10.6	263	24.8	27.3	91	266	32.1	34.1	94
12.3	262	27.5	30.4	91	263	33.2	35.5	93
14.1	262	28.2	30.3	93	264	31.7	33.4	95
16.6	263	21.1	24.1	87				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	008	1.5	2.5	62	340	1.3	2.6	51
0.15	007	2.8	4.5	61	341	2.3	4.5	52
0.3	003	2.8	4.8	58	339	2.3	4.6	51
0.6	358	2.2	4.5	49	333	2.0	4.4	45
0.7	010	1.9	4.0	48	324	1.9	4.4	43
0.9	347	1.9	4.5	43	322	1.8	4.4	42
1.5	291	2.3	5.0	45	293	2.3	4.9	47
2.1	270	4.6	6.7	69	274	4.5	6.6	68
3.1	270	8.7	10.3	84	271	8.5	10.3	82
3.6	270	10.0	11.5	87	271	10.3	12.0	86
4.5	272	13.6	15.0	91	273	14.0	15.6	90
5.8	272	18.8	20.2	93	274	18.9	20.5	92
6.0	272	20.0	21.4	93	274	20.0	21.5	93
7.6	270	26.8	28.4	94	274	26.9	28.8	93
9.5	270	34.8	36.9	94	273	34.8	37.2	94
10.6	269	37.8	40.1	94	272	38.5	40.8	94
12.3	268	39.8	42.4	94	271	40.6	43.1	94
14.1	268	37.0	38.8	95	274	37.7	39.6	95
16.6	269	27.1	28.4	95	274	27.3	29.0	94
18.5	273	17.4	18.7	93	275	17.4	19.0	91
20.5	273	9.8	11.1	88	276	9.6	11.1	86
24.0	265	7.1	9.3	76				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	1.7	2.8	62	281	2.3	3.1	75
0.15	309	3.0	4.7	63	281	3.9	5.2	75
0.3	308	3.0	4.8	62	280	4.1	5.4	75
0.6	301	3.0	4.8	62	277	4.3	5.5	78
0.7	300	3.2	5.1	62	275	4.2	5.4	77
0.9	294	3.0	4.8	63	275	4.4	5.5	80
1.5	285	3.4	5.1	66	275	4.7	5.6	83
2.1	276	4.6	6.2	74	272	5.2	6.1	86
3.1	269	7.8	9.3	84	267	6.8	7.9	86
3.6	269	9.2	10.8	85	265	7.3	8.7	84
4.5	269	11.2	12.8	88	267	7.9	9.7	82
5.8	271	14.9	16.4	90	273	9.5	11.5	82
6.0	272	15.7	17.3	91	274	10.0	11.9	84
7.6	273	20.8	22.8	91	273	14.4	16.7	87
9.5	273	27.4	29.8	92	271	20.3	23.0	88
10.6	272	30.8	33.6	92	269	23.6	26.6	89
12.3	272	31.9	34.8	92	267	26.2	28.8	91
14.1	270	30.2	32.6	92	265	25.5	27.4	93
16.6	272	22.3	23.8	94	267	17.0	19.0	90
18.5	274	13.8	15.1	91	274	7.0	10.6	66
20.5	279	7.2	8.9	81	109	0.3	6.7	05
24.0	258	2.8	6.9	40	118	2.2	6.1	37
26.5					099	1.5	7.3	21
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	254	2.7	3.7	73	227	2.9	3.8	76
0.15	256	4.5	5.9	76	227	4.8	6.3	75
0.3	256	4.7	6.1	77	227	4.9	6.5	75
0.6	256	5.2	6.4	81	229	5.4	7.0	77
0.7	254	5.1	6.5	78	239	5.1	6.6	77
0.9	257	5.5	6.5	84	233	5.4	6.9	78
1.5	263	6.0	6.6	91	244	5.2	7.0	74
2.1	269	6.1	6.8	90	256	4.3	6.9	62
3.1	275	5.3	6.8	77	307	1.6	6.5	25
3.6	279	4.8	6.9	69	355	1.6	6.8	24
4.5	288	4.3	7.1	60	019	2.1	6.8	31
5.8	300	5.2	8.1	64	008	2.2	6.7	33
6.0	300	5.4	8.4	65	008	2.1	6.7	32
7.6	293	7.9	11.0	72	003	1.7	7.0	24
9.5	276	11.4	14.3	80	032	1.0	7.4	14
10.6	271	13.1	16.2	81	092	1.2	8.1	14
12.3	264	14.7	17.7	82	105	2.8	9.5	29
14.1	260	13.2	16.3	81	102	5.8	11.2	52
16.6	245	5.5	11.2	49	094	12.1	14.5	83
18.5	109	2.8	8.5	33	092	15.1	16.2	93
20.5	103	6.0	7.9	76	093	13.2	14.0	94
24.0	095	8.1	8.8	92	091	14.9	15.2	98
26.5	087	8.6	9.7	89	085	17.0	17.3	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	228	2.5	3.2	78	245	2.0	2.6	76
0.15	230	4.6	5.8	78	249	4.0	5.1	78
0.3	232	4.8	6.1	78	249	4.1	5.2	78
0.6	237	5.7	6.9	82	251	4.9	5.9	83
0.7	238	5.9	7.0	84	250	4.7	5.8	81
0.9	241	6.3	7.6	84	254	5.5	6.5	85
1.5	249	6.7	8.0	85	259	6.0	7.2	83
2.1	255	5.8	7.5	77	266	5.0	6.7	75
3.1	284	3.3	6.6	51	303	2.7	5.8	46
3.6	307	2.7	6.5	41	326	2.4	5.6	43
4.5	344	2.3	6.2	37	351	2.3	5.5	43
5.8	020	1.8	5.8	30	016	1.9	5.5	35
6.0	030	1.7	5.8	30	026	1.9	5.5	35
7.6	071	3.1	6.0	51	067	3.4	6.0	56
9.5	083	6.3	7.7	82	083	6.7	7.8	85
10.6	088	8.4	9.6	88	087	8.9	9.9	90
12.3	092	12.8	13.8	92	092	12.7	13.8	92
14.1	090	18.6	19.7	94	092	18.2	19.2	95
16.6	088	24.0	24.8	97	087	22.3	23.1	96
18.5	089	23.8	24.3	98	090	21.7	22.2	98
20.5	088	20.2	20.7	97	091	18.8	19.1	98
24.0	091	20.9	21.2	99	092	20.4	20.7	99
26.5	088	23.2	23.5	99	089	23.6	23.9	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	1.2	2.0	61	009	0.6	1.6	39
0.15	267	2.4	4.1	57	013	1.6	3.8	41
0.3	266	2.5	4.3	57	015	1.6	3.9	41
0.6	266	2.7	4.5	61	011	1.4	3.7	37
0.7	271	3.1	4.7	65	036	1.8	3.7	47
0.9	267	3.0	4.8	63	007	1.4	3.7	36
1.5	274	3.2	5.2	60	004	1.5	4.1	37
2.1	283	2.5	5.4	47	004	1.6	4.7	35
3.1	330	1.2	5.2	23	360	1.6	5.2	31
3.6	349	1.2	5.1	23	345	1.7	5.3	31
4.5	326	1.1	5.3	21	314	2.7	5.9	45
5.8	299	1.4	5.8	23	296	4.6	7.8	59
6.0	296	1.3	5.7	22	292	4.9	8.2	60
7.6	284	0.7	5.8	12	278	8.1	10.9	74
9.5	152	1.0	6.2	16	267	11.4	13.8	83
10.6	151	2.0	7.1	28	261	13.4	15.5	86
12.3	130	3.8	8.9	43	253	14.6	16.9	86
14.1	120	6.7	11.0	61	248	13.3	15.9	84
16.6	097	10.6	12.5	85	234	5.6	9.5	59
18.5	094	12.4	13.3	93	133	2.2	6.8	32
20.5	091	11.5	11.9	97	104	4.1	6.3	66
24.0	094	13.8	14.2	97	095	7.5	8.4	89
26.5	087	15.5	15.9	98	090	8.7	9.8	89
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AHMEDABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	039	1.4	1.9	71	030	1.5	2.1	70
0.15	036	2.7	4.0	68	030	2.9	4.1	71
0.3	037	2.7	4.0	67	030	2.9	4.2	70
0.6	040	2.5	3.9	63	035	2.5	3.9	62
0.7	037	2.6	3.9	66	040	2.6	3.7	70
0.9	042	2.3	3.8	61	039	2.1	3.9	54
1.5	038	1.8	3.8	48	014	0.8	4.0	20
2.1	020	1.3	4.4	29	281	1.7	4.9	35
3.1	304	1.8	5.4	33	274	4.7	7.1	66
3.6	295	2.9	6.2	47	274	6.3	8.4	74
4.5	287	5.1	8.0	64	273	9.4	11.3	84
5.8	282	8.5	11.1	76	271	14.1	15.6	90
6.0	281	9.0	11.7	77	271	14.8	16.4	90
7.6	275	14.2	16.7	85	268	20.5	22.0	93
9.5	269	20.0	22.5	89	266	27.7	29.7	93
10.6	266	23.2	25.7	90	263	31.5	33.8	93
12.3	260	26.1	28.5	91	261	34.6	37.2	93
14.1	259	23.8	25.6	93	260	33.1	35.1	94
16.6	262	13.5	15.7	86	265	24.2	25.7	94
18.5	264	4.9	8.3	59	266	13.6	15.3	89
20.5	254	0.8	6.4	12	271	6.5	8.9	73
24.0	166	1.2	5.6	21	269	3.6	6.6	55
26.5	083	1.9	6.7	29				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	014	2.5	3.0	83	354	2.9	3.3	89
0.15	017	3.6	4.2	85	354	3.9	4.3	90
0.3	020	3.7	4.4	85	357	3.9	4.4	89
0.6	027	3.5	4.2	83	004	3.5	4.1	85
0.7	030	2.9	3.7	79	003	3.1	3.9	79
0.9	041	2.9	3.8	76	016	2.6	3.6	73
1.5	068	2.7	4.2	64	068	2.1	4.1	51
2.1	075	2.7	4.8	56	085	3.1	5.1	61
3.1	077	2.7	5.6	48	073	2.6	5.4	47
3.6	077	2.7	5.6	49	068	2.2	5.4	41
4.5	076	2.8	6.0	47	049	2.0	6.3	32
5.8	066	2.4	7.1	33	031	1.9	6.9	28
6.0	066	2.1	7.2	30	026	1.9	7.2	26
7.6	325	1.4	8.4	16	330	2.5	8.6	29
9.5	248	3.2	9.4	34	278	4.0	9.7	41
10.6	227	5.2	10.9	47	265	5.6	11.0	50
12.3	215	6.8	12.7	53	262	4.4	11.0	39
14.1	234	4.4	11.0	40	271	4.0	11.3	35
16.6	263	0.1	7.8	02	299	1.8	8.4	21
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	336	2.7	3.2	85	317	3.0	3.5	84
0.15	336	3.5	4.1	85	319	3.7	4.3	85
0.3	338	3.4	4.1	84	320	3.7	4.4	85
0.6	345	3.0	4.0	74	322	3.4	4.3	79
0.7	342	2.4	3.6	66	323	3.2	4.2	78
0.9	001	2.3	3.7	61	332	2.7	4.1	66
1.5	051	2.5	4.3	58	018	2.6	4.3	59
2.1	075	4.1	5.7	72	051	3.9	5.1	76
3.1	085	5.0	6.5	76	079	5.9	6.8	86
3.6	083	4.0	6.1	65	083	5.9	7.0	85
4.5	074	3.4	6.1	55	083	4.1	5.9	68
5.8	061	2.6	6.4	41	068	2.1	5.8	37
6.0	056	2.5	6.6	37	069	2.1	5.6	37
7.6	358	1.2	7.5	16	008	0.8	7.2	11
9.5	271	3.0	9.0	33	270	2.7	8.9	30
10.6	263	3.9	10.1	38	257	4.0	9.9	40
12.3	260	5.2	11.2	47	237	5.6	11.2	50
14.1	276	5.3	10.7	50	231	4.9	11.0	44
16.6	249	0.8	8.4	10	116	2.8	7.6	37
18.5	248	1.8	6.1	30				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	304	3.5	4.2	84	268	7.0	7.6	92
0.15	310	4.3	5.0	87	271	8.5	9.1	93
0.3	311	4.5	5.2	88	272	9.3	9.9	93
0.6	311	4.5	5.2	87	274	10.3	10.9	94
0.7	310	4.7	5.5	84	276	9.6	10.4	92
0.9	311	4.2	5.0	83	277	11.2	11.8	95
1.5	324	3.1	4.7	65	280	11.3	12.0	94
2.1	007	2.4	5.1	46	280	10.2	11.3	90
3.1	063	3.5	6.4	55	281	8.0	10.0	80
3.6	071	4.1	6.7	61	281	7.3	9.7	75
4.5	072	3.8	6.5	58	274	6.2	9.2	68
5.8	048	2.2	6.5	34	264	5.2	8.1	64
6.0	048	2.4	6.6	36	263	4.8	7.8	61
7.6	044	1.5	6.5	23	263	1.3	6.5	19
9.5	093	0.5	6.2	07	095	4.8	7.6	63
10.6	155	1.2	6.7	17	089	8.3	10.5	79
12.3	142	3.5	8.5	42	087	13.8	15.7	88
14.1	129	6.6	11.4	57	089	21.7	23.1	94
16.6	093	8.6	10.4	82	093	24.9	25.8	97
18.5	089	5.6	8.1	70				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	272	7.0	7.5	93	280	6.3	6.8	93
0.15	277	8.9	9.4	95	284	8.2	8.7	95
0.3	277	9.8	10.3	95	285	9.0	9.5	95
0.6	279	11.3	11.8	96	286	10.1	10.6	95
0.7	276	13.1	13.6	96	283	10.5	10.9	96
0.9	282	12.5	13.0	96	289	11.2	11.7	96
1.5	286	13.1	13.6	96	292	11.5	11.9	97
2.1	285	11.8	12.3	96	291	10.3	10.8	95
3.1	285	9.2	10.0	92	288	8.3	8.9	93
3.6	286	8.1	9.0	90	287	7.3	8.0	90
4.5	284	6.0	7.4	82	286	5.4	6.8	80
5.8	282	3.3	5.8	56	283	2.8	5.6	49
6.0	278	2.8	5.8	48	283	2.4	5.4	44
7.6	106	2.4	6.6	36	100	1.7	5.6	30
9.5	093	8.6	9.8	88	097	8.4	9.5	88
10.6	092	12.2	13.2	92	094	12.2	13.1	93
12.3	090	20.9	21.8	96	094	20.1	21.2	95
14.1	090	31.6	32.5	97	092	28.3	29.7	95
16.6	091	30.7	31.2	98	092	25.5	26.3	97
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	298	4.6	5.2	88	299	2.0	3.2	64
0.15	301	6.0	6.6	91	306	2.8	4.3	65
0.3	302	6.3	7.0	91	309	2.8	4.5	62
0.6	304	6.7	7.4	91	313	2.7	4.6	58
0.7	297	7.0	7.8	90	291	2.4	4.8	51
0.9	304	6.9	7.6	91	314	2.2	4.6	48
1.5	301	6.6	7.5	89	339	1.2	4.6	27
2.1	297	5.7	6.7	84	025	1.0	5.0	20
3.1	289	4.5	6.1	73	004	0.7	5.2	13
3.6	287	4.2	6.1	68	333	0.7	5.3	12
4.5	285	3.0	5.5	54	356	0.5	5.0	09
5.8	313	0.5	4.6	12	080	1.6	4.9	33
6.0	013	0.3	4.6	07	085	1.9	5.0	38
7.6	094	3.4	5.6	60	089	3.2	5.4	59
9.5	100	7.5	8.5	88	107	4.2	6.5	64
10.6	101	10.8	11.7	92	109	5.7	7.9	72
12.3	099	16.9	18.0	94	111	8.6	10.9	78
14.1	098	23.9	24.7	96	114	12.4	14.5	85
16.6	098	19.5	20.4	95	102	8.9	11.6	77
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AMINI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	350	1.2	2.5	47	032	1.7	2.6	67
0.15	360	2.0	3.8	52	031	2.8	3.9	72
0.3	005	2.0	3.9	53	035	2.9	4.0	72
0.6	017	1.9	4.0	47	042	2.8	4.0	71
0.7	028	2.1	4.0	52	049	2.5	3.7	68
0.9	030	1.8	4.1	44	054	2.5	3.8	67
1.5	057	1.9	4.3	44	073	2.4	4.0	59
2.1	064	2.0	4.6	44	078	2.6	4.6	56
3.1	071	1.9	5.0	39	080	3.3	5.3	62
3.6	075	2.1	5.1	40	082	3.5	5.5	64
4.5	074	2.8	5.6	51	081	3.9	6.0	64
5.8	077	3.9	6.4	61	082	3.5	6.3	55
6.0	078	4.0	6.4	63	081	3.3	6.3	53
7.6	076	3.9	6.8	57	077	1.3	7.1	18
9.5	108	2.7	6.8	39	227	3.1	9.0	34
10.6	139	3.7	7.8	48	223	6.0	10.8	55
12.3	149	6.2	10.3	60	224	8.2	12.8	64
14.1	145	6.0	10.2	58	233	7.7	12.3	63
16.6	110	5.5	8.6	64	114	0.2	7.1	02
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	240	0.7	2.1	33	274	1.8	3.0	59
0.15	254	1.2	3.7	32	276	2.7	4.5	59
0.3								
0.6	262	0.7	2.0	34	271	1.9	3.1	63
0.7	270	1.4	3.3	41	280	2.6	4.0	65
0.9	252	1.3	3.7	35	275	2.8	4.6	61
1.5	247	1.5	4.0	38	268	2.6	4.5	58
2.1	252	2.3	5.0	46	262	3.3	5.3	61
3.1	269	5.4	8.0	67	265	5.9	8.3	72
3.6	270	7.5	9.8	76	271	7.9	10.3	76
4.5	272	11.1	13.1	85	273	11.4	13.6	84
5.8	270	15.9	18.0	89	274	16.7	18.8	88
6.0	269	16.9	19.1	89	274	17.5	19.7	89
7.6	268	23.0	25.4	90	272	24.3	27.1	89
9.5	264	30.6	33.8	91	270	31.5	34.9	90
10.6	263	32.3	35.8	90	267	33.0	37.0	89
12.3	258	33.1	36.4	91	264	34.4	38.9	88
14.1	252	31.6	34.7	91	265	33.1	38.1	87
16.6	258	18.3	26.0	70				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	281	2.1	3.3	62	295	2.6	3.8	69
0.15	286	3.1	4.8	65	297	4.0	5.4	73
0.3								
0.6	280	2.1	3.1	67	299	2.4	3.4	71
0.7	287	3.1	4.3	71	301	3.7	4.9	74
0.9	285	3.3	5.0	67	296	4.0	5.6	73
1.5	276	3.5	5.1	68	294	3.8	5.4	71
2.1	271	3.6	5.2	69	290	3.8	5.3	71
3.1	263	4.5	6.5	68	279	3.4	5.6	61
3.6	264	5.4	7.6	71	269	3.5	6.0	57
4.5	269	8.0	10.1	79	266	4.1	6.8	60
5.8	273	12.3	14.4	85	274	7.0	10.0	70
6.0	273	13.1	15.2	86	274	7.7	10.7	72
7.6	273	18.9	21.3	89	273	13.1	16.2	81
9.5	271	26.2	29.7	88	267	19.9	23.6	84
10.6	268	30.1	33.8	89	263	23.4	27.3	85
12.3	265	33.2	37.5	88	262	27.1	31.2	87
14.1	263	31.3	35.5	88	261	24.4	28.3	86
16.6	263	19.4	24.7	79	258	10.8	17.2	63
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	301	3.0	4.4	69	273	3.9	5.1	76
0.15	306	5.1	6.7	76	278	5.8	7.5	77
0.3								
0.6	304	3.0	4.0	76	275	3.5	4.8	73
0.7	305	4.8	6.1	80	280	5.2	6.7	78
0.9	304	5.4	7.1	77	279	6.2	8.0	77
1.5	306	5.4	6.9	78	280	6.4	8.3	76
2.1	307	5.2	6.7	77	285	5.5	7.9	70
3.1	308	4.0	5.9	67	292	3.1	7.0	45
3.6	305	3.1	5.7	54	302	2.0	6.6	31
4.5	301	2.0	5.8	35	312	1.5	6.4	23
5.8	316	3.0	7.6	39	316	1.1	6.1	17
6.0	314	3.3	8.0	41	312	1.0	6.2	15
7.6	291	5.7	10.7	53	048	0.9	6.4	14
9.5	267	9.8	14.7	67	078	3.9	7.9	49
10.6	257	11.6	16.1	72	083	6.4	9.7	66
12.3	243	12.8	17.6	73	088	11.3	14.2	79
14.1	230	9.6	16.3	59	094	16.2	19.3	84
16.6	129	4.3	12.7	34	085	21.5	23.2	92
18.5	093	10.3	12.1	85	084	21.7	22.6	96
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	269	4.8	5.4	90	278	4.4	4.8	91
0.15	271	8.2	9.2	90	282	7.9	8.5	92
0.3								
0.6	270	4.5	5.0	90	278	4.2	4.5	93
0.7	273	7.4	8.3	90	283	7.2	7.7	93
0.9	270	9.1	10.0	91	281	8.8	9.4	94
1.5	268	10.6	11.5	93	277	9.8	10.6	93
2.1	267	10.4	11.4	91	276	9.6	10.4	92
3.1	270	8.3	10.1	82	278	7.4	9.0	83
3.6	268	7.0	9.4	74	281	6.3	8.3	76
4.5	274	4.5	7.8	57	292	4.5	7.4	61
5.8	290	1.6	7.0	22	324	2.0	6.5	31
6.0	297	1.0	7.0	14	345	1.7	6.3	27
7.6	080	3.6	7.6	47	069	4.4	7.1	62
9.5	077	9.6	11.7	82	078	9.1	10.4	88
10.6	083	13.9	15.6	89	080	12.7	13.9	92
12.3	085	20.8	22.2	93	082	19.7	21.0	94
14.1	082	28.9	30.5	95	083	26.9	28.2	96
16.6	083	38.2	39.6	96	081	34.2	35.4	97
18.5	085	33.7	35.6	94				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	306	2.2	3.3	68	027	1.6	2.8	57
0.15	310	4.8	6.4	75	011	3.1	5.3	57
0.3								
0.6	304	2.4	3.3	72	019	1.4	2.8	52
0.7	304	4.8	6.2	77	003	2.5	4.6	53
0.9	310	4.9	6.6	74	015	3.2	5.5	58
1.5	305	4.4	6.6	67	031	3.3	5.5	60
2.1	301	3.6	6.4	56	036	3.0	5.5	56
3.1	296	2.5	5.8	43	025	2.1	5.5	37
3.6	293	2.3	5.6	41	006	1.6	5.6	28
4.5	289	2.0	5.5	36	347	1.5	5.9	26
5.8	299	1.1	5.3	20	322	2.0	6.8	28
6.0	319	0.8	5.2	16	315	2.2	7.0	32
7.6	077	2.4	5.9	40	282	3.6	8.4	42
9.5	083	5.5	7.9	69	255	5.9	9.6	61
10.6	089	7.7	9.7	79	239	7.7	11.1	69
12.3	097	11.3	13.6	83	223	9.4	13.1	72
14.1	098	16.5	18.3	90	206	8.6	12.6	68
16.6	092	19.9	22.0	90	136	3.9	8.9	44
18.5	092	18.6	20.5	91	091	7.0	9.0	77
20.5					089	7.9	8.8	89
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : AURANGABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	065	1.1	2.1	54	109	0.8	1.9	42
0.15	047	1.9	4.0	48	082	0.9	3.4	27
0.3								
0.6	061	0.9	2.1	42	108	0.6	1.9	32
0.7	040	1.4	3.5	41	065	0.7	2.8	25
0.9	049	2.1	4.0	52	083	1.1	3.5	30
1.5	057	2.4	4.1	58	077	1.0	3.8	26
2.1	049	2.2	4.2	51	019	0.2	4.4	06
3.1	008	1.5	5.1	29	273	2.3	6.0	38
3.6	326	1.5	5.8	27	271	3.7	7.2	51
4.5	298	2.9	7.1	40	272	6.2	9.3	67
5.8	289	5.8	9.8	60	271	10.0	12.5	80
6.0	287	6.5	10.4	62	270	10.9	13.3	82
7.6	276	10.6	13.7	77	265	16.3	18.6	87
9.5	265	15.9	18.6	85	261	22.8	25.6	89
10.6	257	18.7	21.4	87	256	25.6	29.0	88
12.3	248	21.2	23.8	89	252	27.9	31.9	87
14.1	245	19.6	22.4	87	252	26.8	29.9	90
16.6	250	5.4	11.4	47	257	14.2	18.0	79
18.5	044	1.2	7.9	16				
20.5	080	3.0	7.3	42				
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	086	2.4	2.7	91	089	1.8	2.3	82
0.15	086	4.3	4.9	88	087	3.6	4.5	78
0.3								
0.6								
0.7								
0.9								
1.5	087	4.4	5.0	87	090	3.7	4.8	77
2.1	082	3.9	4.9	81	085	3.3	4.7	71
3.1	058	2.0	5.1	39	047	1.7	4.7	36
3.6	031	1.5	5.4	28	010	1.3	5.4	25
4.5	014	1.5	5.8	25	337	1.8	6.5	28
5.8	321	1.6	6.9	23	310	2.5	7.5	34
6.0	313	1.8	7.2	25	303	2.6	7.6	34
7.6	284	4.2	9.4	44	286	5.0	9.9	50
9.5	258	7.4	11.7	63	265	7.6	12.2	63
10.6	247	8.7	12.8	68	251	8.6	12.9	67
12.3	239	9.3	14.1	66	244	8.6	13.7	63
14.1	230	7.5	13.5	56	238	6.8	13.3	51
16.6	182	1.6	9.4	17	209	0.9	8.9	10
18.5	158	1.2	7.3	16	243	0.7	6.7	11
20.5	116	0.8	8.8	09	248	2.1	9.1	23
24.0	095	3.6	11.0	32	097	1.6	8.5	19
26.5	096	4.6	10.5	44	092	4.3	10.4	41
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	089	2.1	2.5	84	079	1.3	2.3	55
0.15	088	4.0	4.9	80	078	2.8	4.7	59
0.3								
0.6								
0.7								
0.9								
1.5	089	4.4	5.4	81	080	3.1	4.9	63
2.1	083	4.3	5.3	81	070	3.4	4.9	69
3.1	066	3.9	5.3	74	058	4.4	5.7	78
3.6	061	3.4	5.4	62	055	4.9	6.2	79
4.5	051	2.1	5.8	36	060	3.8	6.0	64
5.8	006	1.5	6.6	22	042	1.8	6.0	30
6.0	355	1.5	6.8	22	034	1.6	6.1	26
7.6	287	3.7	8.9	41	301	1.7	8.1	21
9.5	263	7.6	11.7	64	260	5.7	10.5	54
10.6	257	9.3	13.2	70	248	7.3	11.4	64
12.3	247	9.8	13.9	71	242	8.4	12.6	67
14.1	245	7.8	13.1	59	237	6.2	11.4	55
16.6	175	1.1	9.2	12	110	2.9	9.1	31
18.5	115	0.9	7.4	13	096	4.2	7.9	53
20.5	251	1.5	9.6	16	107	2.5	8.8	29
24.0	114	2.4	9.4	25	102	2.5	8.5	29
26.5	105	4.7	9.7	48	098	5.3	9.6	55
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	297	1.0	2.6	38	265	4.1	4.6	91
0.15	311	1.7	5.2	34	263	7.1	7.9	90
0.3								
0.6								
0.7								
0.9								
1.5	318	2.0	5.3	37	265	9.0	9.7	93
2.1	339	2.4	5.5	44	272	9.6	10.4	92
3.1	028	3.3	6.0	55	279	8.0	9.9	81
3.6	046	4.0	6.6	60	279	6.7	9.1	74
4.5	055	4.1	7.0	59	276	5.1	8.1	63
5.8	036	2.4	6.4	37	274	3.9	6.7	57
6.0	031	2.2	6.5	35	276	3.5	6.5	54
7.6	033	1.2	6.3	20	311	0.8	5.4	15
9.5	129	0.4	6.3	06	080	4.3	6.8	63
10.6	158	1.4	6.9	21	086	8.3	9.8	84
12.3	136	4.2	9.4	44	087	16.1	17.1	94
14.1	117	8.1	12.6	64	088	24.8	25.7	96
16.6	098	12.2	14.0	87	091	27.6	28.3	97
18.5	092	10.2	11.9	86	086	18.5	19.5	95
20.5	097	7.7	9.7	79	091	15.9	16.7	95
24.0	091	10.0	11.6	86	092	19.1	19.6	97
26.5	089	10.5	13.5	77				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	265	4.0	4.3	93	270	3.6	3.9	92
0.15	265	7.3	7.8	93	270	6.6	7.2	92
0.3								
0.6								
0.7								
0.9								
1.5	268	9.4	9.9	95	272	8.5	9.2	92
2.1	274	10.6	11.1	96	278	9.6	10.1	95
3.1	281	9.7	10.5	92	284	8.9	9.7	92
3.6	280	8.5	9.4	90	284	7.9	8.8	90
4.5	276	6.4	7.8	82	282	6.2	7.4	83
5.8	271	4.4	6.6	67	275	3.9	6.3	62
6.0	271	4.1	6.5	63	275	3.5	6.1	56
7.6	148	0.2	5.7	04	052	0.1	5.6	02
9.5	089	6.4	8.5	75	095	6.8	8.5	80
10.6	090	11.5	12.6	92	093	12.2	13.1	93
12.3	087	21.1	21.8	97	088	21.2	21.9	97
14.1	085	31.0	31.6	98	085	29.8	30.5	98
16.6	090	31.8	32.4	98	090	28.8	29.5	98
18.5	087	21.9	22.6	97	088	19.7	20.4	97
20.5	090	20.2	20.9	97	093	18.9	19.3	98
24.0	089	22.5	22.9	98	092	22.9	23.4	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	275	1.8	2.6	72	030	0.6	2.2	29
0.15	280	3.5	5.2	67	027	1.7	5.0	34
0.3								
0.6								
0.7								
0.9								
1.5	281	4.1	5.9	69	026	2.0	5.7	35
2.1	287	4.3	6.3	69	027	2.0	5.7	35
3.1	291	3.8	6.2	62	029	1.5	5.5	28
3.6	287	3.3	5.9	56	030	1.1	5.4	20
4.5	280	2.3	5.5	43	064	0.9	5.3	16
5.8	288	0.8	5.3	14	081	1.6	5.4	29
6.0	307	0.4	5.3	08	084	1.8	5.4	33
7.6	092	2.5	5.5	46	095	2.4	5.7	41
9.5	095	6.9	8.1	85	105	3.4	6.5	52
10.6	094	10.4	11.2	93	110	5.3	8.2	64
12.3	093	17.1	17.7	96	108	8.4	11.5	73
14.1	091	23.6	24.4	97	105	12.5	15.4	81
16.6	093	21.7	22.3	97	099	10.9	12.8	85
18.5	086	14.9	15.7	95	094	8.7	10.0	86
20.5	095	15.3	16.0	96	097	9.1	10.5	87
24.0	090	17.3	18.1	96	090	13.8	15.2	91
26.5					092	17.8	18.1	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BANGALURU

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	068	1.8	2.5	74	079	2.6	2.9	89
0.15	064	3.7	5.2	71	080	4.6	5.3	87
0.3								
0.6								
0.7								
0.9								
1.5	067	3.9	5.6	70	082	5.0	5.7	87
2.1	068	3.7	5.6	66	083	4.7	5.6	83
3.1	070	2.8	5.6	50	077	3.3	5.5	61
3.6	071	2.7	5.8	47	074	3.0	5.6	53
4.5	072	2.9	6.1	48	070	2.7	5.8	46
5.8	073	3.8	6.8	55	070	2.1	6.6	32
6.0	074	3.8	7.0	55	067	1.9	6.8	27
7.6	075	2.9	7.2	40	304	0.9	7.8	12
9.5	156	1.7	6.9	25	247	4.7	10.1	46
10.6	169	3.9	8.2	48	229	6.8	12.1	57
12.3	160	6.6	10.7	61	218	8.7	14.2	61
14.1	158	6.6	11.5	57	227	7.8	13.3	58
16.6	107	4.8	8.2	58	168	1.4	8.8	16
18.5	101	4.6	7.4	61	105	2.8	7.7	36
20.5	107	3.8	7.8	48	218	0.6	7.0	08
24.0	101	6.0	11.2	53	091	3.2	10.9	29
26.5	087	8.1	13.3	61	092	4.4	13.6	32
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	012	0.7	2.0	33	305	1.0	2.3	41
0.15	356	1.3	3.9	34	305	1.8	4.4	40
0.3								
0.6	360	0.9	2.8	33	310	1.2	3.2	39
0.7	346	1.4	3.9	36	314	1.8	4.3	42
0.9	337	1.2	3.9	32	298	2.0	4.5	45
1.5	282	2.4	4.3	56	279	2.8	4.8	59
2.1	271	5.2	6.6	79	269	4.8	6.3	76
3.1	273	9.7	11.0	88	271	9.5	11.0	87
3.6	275	11.8	13.2	89	273	11.8	13.3	88
4.5	276	15.4	16.8	92	275	15.7	17.3	91
5.8	275	20.6	22.0	93	275	21.3	22.9	93
6.0	275	21.6	23.0	94	275	22.1	23.7	93
7.6	274	28.4	30.0	95	275	28.4	30.4	94
9.5	272	35.4	37.2	95	274	34.9	37.4	93
10.6	271	38.6	40.9	94	273	36.4	39.0	93
12.3	271	40.8	42.9	95	274	37.7	40.3	93
14.1	268	39.4	41.4	95	273	33.6	34.9	96
16.6					272	19.5	21.8	89
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	285	2.0	2.9	68	281	2.9	3.6	80
0.15	285	3.3	5.1	64	280	4.7	5.9	79
0.3								
0.6	285	2.5	3.9	65	280	3.6	4.6	79
0.7	288	3.3	5.4	62	279	4.5	5.9	77
0.9	285	3.6	5.4	67	280	5.0	6.2	80
1.5	283	4.2	5.5	76	283	5.2	6.3	83
2.1	279	5.0	6.1	82	282	5.3	6.3	84
3.1	272	7.7	8.9	87	275	6.1	7.1	86
3.6	272	9.6	10.9	88	271	7.0	8.1	86
4.5	273	12.9	14.3	90	272	9.1	10.2	89
5.8	275	17.1	18.7	92	279	11.7	13.3	88
6.0	276	17.9	19.4	92	279	12.3	13.9	88
7.6	276	22.6	24.4	92	276	16.5	18.4	90
9.5	274	28.8	31.3	92	273	22.4	24.9	90
10.6	273	31.5	34.5	91	271	25.6	28.6	89
12.3	277	33.4	36.0	93	268	27.7	30.9	90
14.1	277	31.5	33.0	95	267	26.3	28.5	92
16.6	280	22.0	23.1	95	277	13.6	15.7	86
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	285	2.9	4.0	72	271	2.7	4.3	62
0.15	284	4.6	6.4	71	272	4.5	7.1	63
0.3								
0.6	284	3.7	5.1	73	271	3.6	5.8	62
0.7	281	4.8	6.8	71	266	4.7	7.2	65
0.9	288	5.0	6.7	75	277	4.9	7.4	66
1.5	292	5.4	6.8	80	291	4.8	7.2	68
2.1	294	5.5	6.6	82	301	4.5	6.8	66
3.1	296	5.4	6.6	82	321	3.8	6.6	58
3.6	297	5.4	6.8	80	329	3.6	6.5	55
4.5	298	5.5	7.2	77	331	3.4	6.4	53
5.8	299	7.2	9.2	78	312	3.0	6.4	47
6.0	298	7.4	9.5	78	310	3.0	6.4	47
7.6	291	10.1	12.3	82	296	2.6	6.8	37
9.5	277	13.2	15.9	83	250	1.1	7.0	15
10.6	267	14.4	17.0	84	187	1.1	7.7	13
12.3	261	15.8	18.7	84	126	3.5	9.7	36
14.1	253	11.8	15.4	77	114	7.6	12.5	61
16.6	232	2.3	10.6	22	096	12.8	14.8	87
18.5	091	5.1	11.1	46	094	15.8	16.5	95
20.5	092	7.4	9.7	76	090	13.5	13.8	97
24.0	093	8.2	9.9	83	089	14.4	14.7	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	259	3.5	4.6	77	269	3.4	4.4	77
0.15	260	5.8	7.4	79	271	5.9	7.3	80
0.3								
0.6	259	4.7	6.0	78	271	4.4	5.6	79
0.7	259	6.1	7.5	81	273	6.0	7.2	84
0.9	265	6.4	8.0	80	278	6.3	8.0	78
1.5	275	6.6	8.5	78	291	5.9	8.2	71
2.1	281	5.7	7.9	72	297	4.7	7.5	63
3.1	294	3.7	6.6	56	313	3.2	6.3	51
3.6	303	3.1	6.3	49	325	2.7	5.9	45
4.5	315	2.4	5.9	41	350	2.2	5.8	37
5.8	356	1.0	5.3	18	048	1.9	5.7	33
6.0	012	0.9	5.4	17	056	2.0	5.7	35
7.6	078	2.5	5.6	44	081	3.4	5.9	57
9.5	089	6.0	7.5	80	090	6.3	7.8	82
10.6	092	8.8	9.8	89	091	8.5	9.4	90
12.3	090	13.8	14.6	94	090	12.4	13.4	92
14.1	086	19.1	20.1	95	087	17.1	18.4	93
16.6	083	24.3	25.0	97	083	21.9	22.5	97
18.5	089	24.1	24.5	99	089	21.6	21.9	99
20.5	088	19.0	19.4	98	090	17.8	18.0	99
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	291	2.1	3.4	63	006	1.1	2.3	49
0.15	297	3.7	5.9	63	005	2.4	4.6	51
0.3								
0.6	295	2.8	4.5	63	006	1.6	3.2	50
0.7	299	3.5	5.7	62	021	2.5	4.6	55
0.9	303	4.0	6.4	62	006	2.7	4.9	54
1.5	315	4.3	6.9	62	010	3.0	5.1	59
2.1	327	3.8	6.6	58	010	2.9	5.2	56
3.1	336	3.2	6.1	52	354	2.4	5.5	44
3.6	333	3.0	6.0	49	327	2.3	5.5	42
4.5	316	2.6	6.0	44	295	3.8	6.6	57
5.8	290	1.8	5.5	33	284	5.9	8.4	69
6.0	287	1.6	5.4	30	284	6.2	8.8	70
7.6	262	0.9	5.4	16	272	8.9	11.2	79
9.5	146	1.3	6.2	22	260	11.9	13.6	87
10.6	140	2.3	7.2	31	256	13.1	14.7	89
12.3	127	4.6	9.6	48	250	13.8	15.5	89
14.1	115	7.7	11.4	67	244	11.9	14.1	84
16.6	093	10.1	11.7	86	229	4.2	8.1	52
18.5	093	12.1	12.6	96	111	2.7	6.6	41
20.5	094	11.2	11.6	97	100	4.4	6.8	64
24.0					093	7.2	9.0	81
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHOPAL

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	033	1.1	1.7	63	038	0.9	1.6	55
0.15	033	2.2	3.8	58	036	1.8	3.5	52
0.3								
0.6	033	1.6	2.6	61	039	1.3	2.5	54
0.7	042	2.0	3.8	54	037	2.0	3.5	58
0.9	030	2.4	4.0	61	030	1.7	3.6	47
1.5	019	2.1	3.9	55	336	1.2	3.7	32
2.1	358	2.1	4.2	49	293	2.4	5.0	48
3.1	308	3.2	5.7	56	284	5.6	7.6	74
3.6	297	4.4	6.7	65	281	7.4	9.3	80
4.5	287	6.8	9.1	75	280	10.5	12.2	86
5.8	282	10.4	12.5	83	276	14.9	16.3	92
6.0	281	11.0	13.1	84	276	15.5	16.8	92
7.6	274	15.8	17.7	89	273	21.2	22.7	93
9.5	267	22.1	24.0	92	268	26.8	28.5	94
10.6	264	24.7	26.6	93	264	30.1	32.1	94
12.3	257	26.5	28.2	94	259	32.5	35.2	92
14.1	259	24.6	25.9	95	256	30.2	31.9	94
16.6	258	12.7	14.2	89	258	22.0	23.8	93
18.5	267	3.9	7.3	54				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	141	0.8	2.4	34	166	2.4	4.0	61
0.15	138	1.3	4.1	31	170	3.3	5.5	60
0.3	135	1.1	4.1	28	171	3.1	5.4	57
0.6	091	0.5	3.8	13	179	2.1	4.9	42
0.7	346	0.8	3.8	20	190	1.6	4.5	36
0.9	339	0.8	3.7	22	226	1.3	4.5	28
1.5	320	3.2	4.7	68	300	3.2	5.2	61
2.1	314	5.6	7.0	80	304	5.9	7.3	81
3.1	298	8.3	9.7	85	296	9.1	10.5	86
3.6	290	9.7	11.1	88	289	10.3	11.7	88
4.5	281	12.1	13.3	90	281	12.8	14.1	91
5.8	277	16.0	17.4	92	277	16.8	18.3	92
6.0	276	16.8	18.2	92	276	17.6	19.1	92
7.6	273	21.4	23.0	93	273	22.2	24.0	93
9.5	269	26.7	28.5	94	270	27.5	29.8	92
10.6	266	28.9	30.9	93	267	29.9	32.4	92
12.3	260	29.5	31.4	94	263	30.2	32.7	92
14.1	258	27.0	28.6	94	262	27.9	30.3	92
16.6	262	17.3	18.9	91	263	19.6	21.3	92
18.5	263	9.5	12.2	78	268	10.7	13.0	83
20.5	272	4.0	8.4	48	277	6.2	10.2	60
24.0	264	1.3	6.8	19	292	0.4	8.1	05
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	179	4.4	5.4	81	187	6.6	7.2	91
0.15	183	5.8	7.2	80	194	8.5	9.2	92
0.3	185	5.6	7.1	78	195	8.2	9.0	91
0.6	192	4.1	6.2	66	204	6.7	7.9	85
0.7	195	3.4	5.6	60	206	5.2	6.4	81
0.9	216	2.5	5.2	48	219	4.7	6.3	74
1.5	291	3.3	5.2	63	278	3.4	5.2	64
2.1	303	5.5	6.8	80	298	4.7	6.0	77
3.1	302	8.5	9.8	87	308	6.5	7.7	84
3.6	300	9.4	10.7	88	307	7.2	8.5	84
4.5	292	10.5	11.9	89	302	8.1	9.6	84
5.8	284	13.1	14.5	90	290	9.7	11.2	87
6.0	283	13.8	15.3	90	289	10.1	11.6	87
7.6	277	17.4	19.3	90	280	13.9	15.8	88
9.5	273	22.8	25.0	91	273	18.6	20.8	89
10.6	268	26.2	28.5	92	268	21.2	23.5	90
12.3	262	27.6	29.6	93	264	22.6	24.8	91
14.1	262	24.9	26.7	93	264	20.0	22.0	91
16.6	266	16.4	18.1	90	269	10.2	13.4	76
18.5	274	9.3	11.6	79	286	2.7	8.3	32
20.5	278	3.9	7.9	50	067	1.3	6.6	19
24.0	184	1.3	6.9	19	105	3.3	6.2	53
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	187	6.3	7.1	89	194	3.9	5.3	73
0.15	192	8.2	9.3	89	202	5.5	7.7	71
0.3	193	8.0	9.1	88	204	5.4	7.7	70
0.6	202	6.3	7.8	81	220	4.3	7.3	59
0.7	211	4.9	6.9	71	224	4.5	7.3	61
0.9	218	4.4	6.6	66	242	3.7	7.2	52
1.5	283	3.0	5.6	54	286	3.8	7.2	53
2.1	315	4.1	6.0	68	302	4.2	7.5	55
3.1	325	5.6	7.4	76	309	4.0	8.0	51
3.6	325	6.3	8.2	77	309	3.8	7.9	48
4.5	319	6.9	8.7	78	308	3.6	7.9	45
5.8	306	7.1	9.0	79	302	2.7	7.4	36
6.0	304	7.0	9.1	77	303	2.5	7.3	34
7.6	286	7.6	10.1	75	353	0.6	6.8	09
9.5	267	8.5	11.3	75	087	2.9	7.0	41
10.6	259	9.2	12.1	76	093	4.9	8.2	59
12.3	248	8.6	12.1	71	092	8.5	10.6	79
14.1	234	6.1	11.3	54	085	12.9	14.6	88
16.6	123	3.1	9.3	33	083	18.6	19.9	93
18.5	097	7.5	9.6	78	089	19.8	20.4	97
20.5	095	7.8	9.0	86	092	15.4	16.1	96
24.0	090	9.4	10.3	91	089	16.6	17.3	96
26.5	082	10.7	12.0	89	086	17.3	18.2	94
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	211	3.4	4.6	74	209	2.8	4.3	64
0.15	218	5.1	6.9	74	217	4.3	6.6	65
0.3	221	5.1	7.0	73	220	4.3	6.8	63
0.6	237	4.9	7.3	68	234	4.0	7.3	55
0.7	244	4.8	6.9	70	233	4.0	7.2	56
0.9	253	4.7	7.5	63	248	3.8	7.5	50
1.5	272	4.8	7.8	62	268	3.5	7.7	46
2.1	278	4.6	7.6	61	274	3.4	7.5	46
3.1	273	3.7	7.1	52	265	2.7	7.1	38
3.6	270	3.3	7.1	47	262	2.2	6.9	32
4.5	272	2.2	6.6	33	266	1.1	6.5	17
5.8	331	0.4	6.4	06	069	0.6	6.3	09
6.0	014	0.4	6.3	06	074	1.0	6.3	15
7.6	083	3.2	6.8	46	085	3.2	7.0	45
9.5	088	6.9	8.8	78	090	6.8	8.8	77
10.6	087	9.9	11.2	88	090	9.4	10.7	88
12.3	082	15.0	15.8	95	085	13.9	14.8	94
14.1	079	20.3	21.3	96	079	18.0	18.9	95
16.6	081	26.8	27.7	97	081	23.9	24.6	97
18.5	087	24.5	24.9	98	088	22.6	23.2	97
20.5	091	20.8	21.5	97	091	20.2	20.8	97
24.0	089	20.2	20.6	98	090	20.0	20.3	98
26.5	087	22.4	22.7	99	088	22.4	22.6	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	194	1.9	3.4	56	111	0.8	2.5	34
0.15	199	3.1	5.5	56	113	1.5	4.5	33
0.3	200	3.0	5.6	54	109	1.6	4.6	34
0.6	209	2.4	5.8	42	085	1.7	4.8	36
0.7	218	2.2	5.3	41	078	2.0	4.8	41
0.9	225	1.8	5.9	31	066	1.8	5.0	36
1.5	268	1.2	5.8	21	036	2.0	5.3	37
2.1	292	1.4	6.0	23	023	1.9	5.6	34
3.1	284	1.1	5.9	19	333	1.0	5.7	18
3.6	263	0.8	5.9	14	290	1.0	5.6	18
4.5	212	0.7	5.9	11	259	1.4	5.7	25
5.8	148	0.9	5.9	14	254	1.9	6.2	31
6.0	140	1.0	5.8	16	253	2.1	6.3	33
7.6	111	1.9	5.7	33	247	3.2	7.2	44
9.5	104	4.2	6.6	64	241	4.7	8.6	54
10.6	104	6.0	7.8	77	239	5.3	9.5	55
12.3	094	8.5	10.3	83	227	5.5	10.7	51
14.1	084	11.5	13.2	87	212	4.6	10.8	43
16.6	087	16.6	17.4	96	136	4.3	9.6	45
18.5	091	16.2	16.5	98	102	6.3	8.7	73
20.5	094	14.5	14.9	97	099	7.4	8.4	88
24.0	092	15.4	16.0	96	094	9.7	10.5	92
26.5					090	9.2	10.8	85
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : BHUBANESHWAR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	067	1.1	2.3	48	060	0.8	1.7	44
0.15	062	2.1	4.3	50	055	1.5	3.5	42
0.3	061	2.3	4.4	53	051	1.6	3.6	43
0.6	049	3.2	4.9	65	032	2.0	3.7	54
0.7	048	3.2	4.7	67	012	2.0	3.5	57
0.9	038	3.4	4.9	68	013	2.2	3.7	58
1.5	019	3.2	5.1	63	342	3.0	4.4	69
2.1	001	2.8	5.4	52	325	4.4	5.8	75
3.1	311	2.8	5.8	48	302	5.7	7.5	76
3.6	295	3.2	6.2	52	295	6.5	8.4	78
4.5	286	4.4	7.0	64	287	8.5	10.1	84
5.8	279	6.4	8.8	72	280	11.6	13.3	88
6.0	280	6.8	9.3	73	279	12.2	13.9	88
7.6	273	10.1	12.3	82	273	16.2	17.9	90
9.5	263	14.1	16.1	87	267	21.6	23.4	92
10.6	257	16.4	18.3	90	263	24.0	26.0	92
12.3	248	18.0	20.3	88	256	25.9	28.1	92
14.1	245	16.6	19.0	87	255	24.1	26.1	92
16.6	251	8.5	11.6	73	258	14.5	16.6	88
18.5	272	1.6	7.1	22	265	6.2	9.9	62
20.5	105	0.5	6.2	07	287	2.3	7.3	32
24.0	093	3.0	7.7	38	058	0.4	7.1	05
26.5	085	4.1	7.7	53				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	056	4.0	4.7	86	094	3.6	4.5	80
0.15	057	5.7	6.4	89	094	4.9	6.0	82
0.3	057	5.6	6.3	89	096	4.6	5.9	79
0.6	056	5.1	5.8	88	099	3.7	5.3	69
0.7	050	4.9	5.6	87	085	3.1	4.9	63
0.9	052	5.0	5.7	87	085	3.1	5.0	62
1.5	053	4.7	5.9	79	061	3.6	5.4	66
2.1	055	4.0	5.9	68	045	3.9	5.9	66
3.1	049	2.4	5.5	43	027	2.5	5.5	45
3.6	041	1.8	5.4	32	360	1.6	5.6	29
4.5	019	1.3	5.6	22	327	1.8	6.2	29
5.8	324	1.5	6.5	24	305	2.4	7.0	34
6.0	319	1.7	6.7	25	300	2.6	7.2	36
7.6	281	3.5	8.9	39	285	4.6	9.5	48
9.5	260	7.1	11.2	64	264	7.5	11.9	63
10.6	244	8.7	12.5	70	253	8.5	12.5	68
12.3	233	10.3	14.7	70	243	8.9	13.5	66
14.1	233	9.2	14.4	64	236	7.1	13.7	52
16.6	222	3.0	10.0	30	245	2.3	9.3	25
18.5	168	0.8	6.9	12	262	2.2	7.0	32
20.5	225	0.7	7.0	09	256	3.3	7.5	43
24.0	092	4.1	10.3	40	097	4.0	11.4	35
26.5	095	5.7	13.3	43	091	6.8	13.8	49
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	119	3.9	4.6	84	131	4.8	5.3	91
0.15	120	5.3	6.1	87	133	6.5	7.0	93
0.3	126	5.0	5.9	85	140	6.2	6.7	92
0.6	138	3.9	5.1	76	156	4.7	5.7	82
0.7	131	3.0	4.5	67	150	3.1	4.4	71
0.9	132	2.6	4.4	60	167	2.3	4.1	58
1.5	087	3.4	5.1	67	087	1.3	4.0	32
2.1	064	5.3	6.7	80	062	3.9	5.5	71
3.1	046	5.6	7.3	77	051	6.5	7.5	86
3.6	042	4.4	6.6	66	047	6.5	7.7	84
4.5	038	2.3	5.8	40	047	4.2	6.4	66
5.8	358	1.4	6.3	23	021	1.3	6.0	21
6.0	346	1.5	6.4	23	001	1.1	6.1	17
7.6	286	3.6	8.3	44	294	2.1	7.4	28
9.5	262	7.6	11.6	65	260	5.5	9.7	57
10.6	253	9.5	13.2	72	250	7.7	11.4	67
12.3	246	10.8	14.6	74	237	9.1	13.0	70
14.1	246	8.9	14.0	63	235	7.8	12.0	65
16.6	240	2.2	9.0	24	155	1.4	8.2	17
18.5	169	0.4	6.6	05	093	3.1	7.2	43
20.5	253	1.2	7.5	16	099	1.5	7.2	20
24.0	089	3.6	10.3	35	095	6.6	11.0	60
26.5	097	8.0	14.8	54	094	12.0	16.1	75
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	132	4.0	5.2	76	188	1.8	5.0	37
0.15	134	5.3	6.8	78	190	2.5	6.7	38
0.3	141	4.9	6.7	73	207	3.0	6.9	43
0.6	162	3.1	5.8	53	237	4.3	7.0	62
0.7	183	1.9	4.6	41	240	4.6	6.6	70
0.9	222	1.4	4.7	30	257	5.6	7.1	79
1.5	301	2.4	4.8	50	271	7.5	8.3	91
2.1	335	2.8	5.7	49	277	8.7	9.5	92
3.1	024	3.9	6.8	57	280	8.6	10.1	86
3.6	034	4.6	7.4	62	280	7.8	9.8	79
4.5	036	4.4	7.5	59	279	6.5	9.1	71
5.8	015	2.3	6.6	35	277	5.0	7.5	66
6.0	010	2.2	6.5	34	277	4.6	7.3	63
7.6	352	1.4	6.3	22	282	1.8	5.9	31
9.5	222	0.4	6.2	07	082	2.8	6.3	44
10.6	175	1.3	6.8	19	088	6.8	8.8	77
12.3	142	3.3	8.6	39	086	14.8	15.8	94
14.1	117	7.1	11.5	62	085	23.4	24.2	97
16.6	098	11.9	13.4	89	088	28.5	29.1	98
18.5	091	9.9	11.2	89	085	19.7	20.3	97
20.5	093	7.8	9.5	82	089	15.6	16.2	96
24.0	087	14.4	15.2	95	088	19.2	19.5	98
26.5	089	19.5	20.1	97	089	23.4	23.8	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	185	1.4	4.3	33	205	1.2	4.0	29
0.15	189	1.9	5.9	32	207	1.6	5.4	30
0.3	211	2.4	6.0	39	228	2.3	5.6	40
0.6	245	4.0	6.3	63	254	4.0	6.0	67
0.7	250	5.2	6.5	79	256	4.4	5.8	75
0.9	262	5.6	7.0	81	268	5.6	6.7	84
1.5	274	7.9	8.5	92	278	7.8	8.4	93
2.1	278	9.5	10.1	95	281	9.4	9.9	95
3.1	278	10.0	10.7	94	281	9.8	10.4	94
3.6	276	9.2	10.0	92	279	9.1	9.9	92
4.5	273	7.8	9.0	86	277	7.7	8.8	87
5.8	269	5.6	7.6	74	272	5.3	7.4	72
6.0	268	5.1	7.3	70	271	4.9	7.1	69
7.6	249	1.3	6.1	22	252	1.3	5.9	21
9.5	091	4.8	7.6	63	096	5.0	7.5	67
10.6	088	9.9	11.3	87	092	10.4	11.6	90
12.3	084	19.1	19.9	96	086	19.3	19.9	97
14.1	081	28.7	29.2	98	082	27.7	28.2	98
16.6	086	33.7	34.3	98	086	31.0	31.6	98
18.5	086	22.9	23.4	98	087	21.2	21.7	98
20.5	089	19.9	20.3	98	088	19.6	19.9	98
24.0	090	21.4	21.7	98	090	20.9	21.2	98
26.5	088	26.6	27.0	98	087	25.1	25.3	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	128	1.5	3.8	38	063	2.1	4.0	53
0.15	129	2.1	5.2	40	063	3.1	5.5	56
0.3	150	1.5	5.2	30	060	2.9	5.6	51
0.6	226	1.4	4.9	28	045	2.4	5.5	44
0.7	248	2.1	4.8	44	028	2.3	5.3	44
0.9	269	2.4	4.9	49	025	2.5	5.5	45
1.5	286	4.2	6.0	71	008	2.8	6.0	47
2.1	289	5.0	6.8	74	002	2.7	6.1	43
3.1	287	4.8	6.9	70	003	1.9	5.9	32
3.6	285	4.2	6.6	64	009	1.2	5.7	21
4.5	280	2.9	6.0	47	054	0.7	5.5	12
5.8	283	1.0	5.4	19	094	1.4	5.4	26
6.0	286	0.7	5.4	13	097	1.6	5.3	29
7.6	099	1.8	5.5	33	101	2.4	5.7	43
9.5	096	5.9	7.5	78	106	4.0	6.3	63
10.6	093	9.4	10.3	91	105	5.3	7.4	71
12.3	090	15.3	15.9	96	104	7.9	10.4	76
14.1	087	21.7	22.4	97	100	11.2	13.7	82
16.6	089	23.3	23.8	98	097	11.8	13.2	89
18.5	086	16.3	16.8	97	092	9.2	10.3	89
20.5	091	15.8	16.1	97	093	10.1	11.1	91
24.0	089	17.1	17.8	96	091	13.6	14.6	93
26.5	086	18.3	18.8	97	090	16.1	17.3	93
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : CHENNAI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	031	3.9	5.1	77	036	4.7	5.4	88
0.15	034	5.8	7.1	81	038	6.9	7.6	91
0.3	035	5.9	7.4	81	039	7.0	7.7	91
0.6	037	5.9	7.6	78	041	6.9	7.7	90
0.7	040	6.1	7.4	82	039	6.6	7.4	90
0.9	038	5.8	7.7	75	043	6.8	7.7	89
1.5	041	5.2	7.4	70	052	5.9	7.1	84
2.1	046	4.2	6.8	62	062	4.8	6.4	74
3.1	059	3.1	6.2	49	069	3.7	5.9	63
3.6	066	2.8	6.1	47	069	3.4	5.9	58
4.5	075	2.9	6.0	48	066	3.1	5.9	52
5.8	076	3.4	6.7	51	065	2.5	6.5	38
6.0	076	3.4	6.8	51	066	2.3	6.6	34
7.6	078	2.9	7.2	40	341	0.6	7.6	08
9.5	125	1.9	6.8	28	247	3.9	9.6	41
10.6	152	3.6	7.6	47	226	6.3	11.3	56
12.3	154	6.3	10.0	62	213	8.8	13.5	65
14.1	149	6.7	10.9	61	220	8.5	13.7	62
16.6	112	5.3	8.6	62	195	2.4	9.0	26
18.5	095	5.2	7.4	70	098	3.3	7.3	45
20.5	098	4.7	7.8	60	106	1.9	7.2	26
24.0	089	9.6	12.9	75	090	5.7	10.4	55
26.5	089	12.3	14.9	82	083	9.4	13.4	70
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	281	3.3	4.1	79	288	4.1	4.8	85
0.15	281	4.1	5.1	80	287	5.2	6.0	87
0.3	283	3.9	5.0	77	288	5.1	5.9	86
0.6	291	1.7	4.1	41	287	3.7	5.0	74
0.7	009	1.0	3.4	29	292	2.4	4.1	59
0.9	064	0.8	3.9	21	293	1.7	4.1	42
1.5	086	3.7	5.4	69	099	1.2	4.6	25
2.1	082	4.5	6.7	67	106	2.4	6.2	38
3.1	049	2.1	6.2	35	058	1.5	7.0	21
3.6	357	1.5	6.3	24	337	1.8	7.0	26
4.5	301	2.7	7.0	38	300	3.6	7.5	48
5.8	284	5.1	8.6	60	287	6.2	9.3	67
6.0	284	5.7	9.1	62	287	6.7	9.7	69
7.6	277	9.6	12.6	76	279	10.4	13.4	77
9.5	268	14.1	16.6	85	269	15.0	17.7	85
10.6	262	15.4	17.8	86	265	16.2	18.8	86
12.3	257	15.9	19.1	83	261	16.3	19.2	85
14.1	255	13.7	17.0	81	263	13.3	16.8	79
16.6	259	5.8	10.8	53	269	5.8	10.6	55
18.5	263	1.7	7.6	22	276	2.7	7.9	34
20.5	205	0.5	7.4	07	269	1.3	7.1	19
24.0	112	3.1	9.5	32	106	3.2	7.7	41
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	286	4.4	5.1	85	289	4.8	5.5	86
0.15	286	5.5	6.2	87	288	6.1	6.9	89
0.3	286	5.4	6.2	87	289	6.1	6.9	89
0.6	289	4.3	5.4	79	293	5.1	6.0	85
0.7	287	3.1	4.5	70	301	4.4	5.3	82
0.9	296	2.7	4.5	60	306	3.5	5.0	70
1.5	343	1.0	4.3	24	350	2.5	4.5	56
2.1	076	1.9	5.3	36	027	2.3	4.9	47
3.1	088	4.0	6.9	58	081	3.7	5.9	63
3.6	075	3.4	6.8	50	087	4.2	6.3	67
4.5	016	1.6	6.5	24	081	3.3	6.1	53
5.8	302	3.0	7.5	40	356	1.1	6.1	18
6.0	297	3.5	7.8	45	331	1.2	6.3	19
7.6	284	7.2	10.8	67	285	4.4	8.9	49
9.5	274	12.6	15.6	81	270	9.1	13.1	70
10.6	268	14.4	17.5	82	263	11.5	15.1	76
12.3	265	14.8	17.9	82	254	12.9	16.2	80
14.1	264	13.0	16.1	80	252	10.6	14.2	74
16.6	266	5.4	10.2	53	226	1.9	9.1	21
18.5	271	1.7	7.4	23	093	2.6	7.8	34
20.5	274	1.3	7.4	17	091	1.5	6.5	22
24.0	098	3.7	8.3	45	098	5.4	8.8	62
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	290	5.0	6.0	85	262	4.6	6.0	76
0.15	288	6.5	7.4	88	265	6.4	8.0	80
0.3	289	6.5	7.5	88	266	6.7	8.3	81
0.6	293	6.2	7.2	87	269	7.6	9.0	85
0.7	295	5.3	6.3	84	273	7.6	8.6	88
0.9	301	5.0	6.3	80	272	8.4	9.6	87
1.5	335	3.4	5.5	63	274	8.0	9.7	82
2.1	350	3.1	5.8	54	273	7.0	9.4	75
3.1	052	2.2	5.9	37	272	5.7	9.1	62
3.6	076	2.7	6.0	44	273	4.9	8.8	56
4.5	078	3.1	6.3	49	272	3.5	8.3	42
5.8	053	2.9	6.7	44	261	1.8	6.8	26
6.0	048	2.9	6.8	42	257	1.3	6.5	20
7.6	017	1.2	7.4	17	099	1.5	5.9	26
9.5	271	1.7	7.8	21	091	5.5	7.5	73
10.6	244	2.4	8.4	28	089	8.2	9.8	84
12.3	202	2.8	9.2	30	091	13.6	15.0	91
14.1	145	5.0	10.9	46	094	21.0	22.2	95
16.6	104	9.9	12.6	79	093	26.7	27.4	97
18.5	096	10.2	11.6	88	090	19.8	20.4	97
20.5	093	7.5	9.1	82	094	15.5	16.0	97
24.0	091	10.7	11.8	90	088	16.7	17.3	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	270	6.0	6.5	92	279	5.6	6.2	91
0.15	272	8.1	8.8	91	281	7.9	8.5	93
0.3	272	8.5	9.3	91	281	8.3	9.0	93
0.6	274	10.1	10.9	93	282	9.8	10.3	95
0.7	273	11.0	11.6	95	283	10.0	10.5	95
0.9	276	11.0	11.9	93	283	10.7	11.2	95
1.5	276	11.6	12.1	96	283	10.6	11.1	96
2.1	275	10.7	11.2	95	281	9.9	10.4	95
3.1	276	9.8	10.6	93	280	9.3	10.0	93
3.6	277	8.9	10.0	89	280	8.5	9.4	90
4.5	279	6.5	8.5	76	281	6.3	7.8	81
5.8	277	2.8	6.6	43	280	2.7	5.5	49
6.0	274	2.2	6.2	35	282	2.2	5.4	40
7.6	088	2.3	6.0	38	078	2.1	5.4	39
9.5	088	8.1	9.3	87	085	7.9	8.9	89
10.6	090	12.1	13.1	92	089	12.2	12.9	95
12.3	089	20.8	21.5	97	091	20.6	21.1	98
14.1	089	30.6	31.3	98	091	30.4	30.9	98
16.6	090	34.6	35.2	98	090	31.0	31.5	98
18.5	087	24.8	25.3	98	089	22.4	22.9	98
20.5	094	20.9	21.3	98	096	19.7	20.1	98
24.0	091	23.5	23.8	99	094	23.5	23.7	99
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	291	3.8	4.8	79	282	2.4	3.8	63
0.15	290	5.5	6.7	82	280	3.4	5.3	64
0.3	291	5.7	6.9	83	282	3.4	5.3	63
0.6	292	6.2	7.3	85	293	2.5	5.0	50
0.7	290	6.3	7.3	87	286	1.8	4.7	37
0.9	293	6.2	7.4	84	323	1.4	4.7	29
1.5	292	5.1	6.8	75	059	1.9	5.2	37
2.1	286	4.1	6.3	64	070	3.4	6.4	53
3.1	279	3.5	6.4	54	070	3.0	6.3	48
3.6	278	3.2	6.2	51	071	2.2	5.7	38
4.5	275	2.2	5.7	38	074	1.6	5.3	31
5.8	209	0.2	5.1	03	076	2.0	5.6	37
6.0	108	0.4	5.1	08	079	2.2	5.6	39
7.6	092	3.0	5.5	55	086	2.6	5.7	45
9.5	090	7.3	8.2	89	107	2.7	6.5	41
10.6	090	10.0	10.7	94	123	3.3	7.9	42
12.3	092	15.8	16.4	96	128	6.0	10.4	57
14.1	094	23.0	23.6	97	123	9.2	13.1	70
16.6	091	21.8	22.4	97	102	10.1	11.8	86
18.5	091	16.7	17.2	97	094	8.6	9.8	88
20.5	099	14.3	14.7	97	097	8.9	10.0	89
24.0	091	15.6	16.0	97	090	10.2	11.1	92
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GOA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	284	1.9	3.4	57	289	1.9	3.5	54
0.15	286	2.4	4.6	53	292	2.1	4.4	49
0.3	290	2.2	4.5	50	299	1.8	4.3	42
0.6	009	0.9	4.1	23	045	1.2	4.0	30
0.7	052	1.6	3.6	44	072	2.1	3.7	57
0.9	065	2.1	4.5	47	075	3.0	4.5	65
1.5	078	4.7	6.0	78	080	5.2	6.2	85
2.1	077	5.9	7.3	81	079	5.5	6.9	80
3.1	076	4.4	6.4	68	073	2.9	5.7	51
3.6	077	3.6	6.0	60	064	2.0	5.6	35
4.5	074	3.2	6.1	52	050	0.8	6.1	13
5.8	065	2.6	6.7	38	281	1.3	7.2	18
6.0	066	2.4	6.7	36	275	1.9	7.4	26
7.6	028	0.8	7.1	11	267	5.9	9.9	59
9.5	255	3.4	8.3	41	260	10.6	14.1	75
10.6	233	6.0	10.0	60	251	13.0	16.7	78
12.3	214	8.4	12.5	67	243	15.1	18.9	80
14.1	211	7.3	12.0	60	247	14.1	17.1	82
16.6	142	2.4	8.1	30	250	4.6	9.8	47
18.5	098	3.5	6.8	52	094	1.7	7.6	22
20.5	099	3.3	6.9	48	106	1.4	6.7	21
24.0	095	8.6	11.1	77	091	3.6	10.3	34
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	272	0.9	1.3	72	269	1.7	2.2	78
0.15	273	2.5	3.7	67	267	3.4	4.7	72
0.3	274	2.6	3.9	67	267	3.5	4.9	72
0.6	279	3.0	4.4	67	273	4.2	5.6	74
0.7	286	3.2	4.7	68	274	3.9	5.3	74
0.9	283	3.5	5.0	70	276	4.9	6.3	79
1.5	290	4.9	6.6	74	282	6.7	7.7	87
2.1	290	7.2	8.7	83	285	8.6	9.5	90
3.1	286	11.1	12.1	92	284	11.8	12.6	94
3.6	284	13.0	13.9	93	283	13.5	14.4	94
4.5	280	16.4	17.4	94	280	16.8	17.9	94
5.8	276	22.5	23.9	94	276	22.1	23.5	94
6.0	275	23.5	24.9	94	276	23.3	24.8	94
7.6	271	30.8	32.7	94	272	30.5	32.3	94
9.5	268	36.7	39.0	94	270	36.7	39.4	93
10.6	267	38.7	41.1	94	268	38.7	41.4	93
12.3	265	39.5	41.7	95	268	39.6	42.6	93
14.1	265	38.2	40.5	94	271	39.2	41.1	95
16.6	264	33.1	35.0	95	269	32.0	33.4	96
18.5	263	23.3	25.4	92	270	19.8	21.6	92
20.5	260	15.7	20.8	75	271	11.2	16.7	67
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	270	2.4	2.9	83	274	2.2	3.1	71
0.15	273	4.7	5.7	82	280	4.0	5.9	68
0.3	273	4.9	6.0	82	281	4.2	6.2	69
0.6	275	5.8	6.8	85	279	4.9	6.8	73
0.7	275	6.6	7.4	89	281	5.1	6.8	74
0.9	276	6.5	7.4	88	278	5.6	7.2	79
1.5	280	8.0	8.7	92	279	7.1	8.0	89
2.1	283	9.6	10.3	93	280	9.1	9.6	94
3.1	286	12.4	13.1	94	283	11.4	12.0	96
3.6	285	13.6	14.4	94	285	12.5	13.1	95
4.5	283	16.1	17.0	95	286	14.0	14.7	95
5.8	279	20.3	21.4	95	284	16.1	17.0	95
6.0	279	21.1	22.2	95	283	16.4	17.2	95
7.6	276	26.5	27.9	95	279	19.5	20.9	93
9.5	273	31.2	33.3	94	276	23.0	25.1	92
10.6	274	32.7	35.5	92	273	24.7	27.1	91
12.3	272	35.6	38.5	93	270	26.4	29.1	91
14.1	274	35.2	37.6	93	267	26.3	28.6	92
16.6	276	29.6	31.4	94	268	19.0	21.1	90
18.5	273	17.9	20.7	86	270	8.5	13.2	65
20.5	271	8.7	13.6	64	297	2.4	8.8	27
24.0	273	6.1	11.3	54	288	1.6	7.8	21
26.5	278	10.1	16.2	62	286	3.9	9.3	42
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	313	0.4	2.5	16	078	0.9	2.3	39
0.15	320	1.0	4.8	20	075	1.6	4.7	34
0.3	317	1.0	5.0	21	076	1.6	4.9	33
0.6	298	1.4	5.3	26	086	1.5	5.2	29
0.7	283	2.1	5.4	39	087	1.2	5.0	23
0.9	284	2.2	5.5	40	100	0.9	5.3	18
1.5	277	4.8	6.5	74	269	0.6	5.9	10
2.1	284	7.8	8.7	89	292	2.4	7.0	34
3.1	288	11.1	11.8	93	296	4.2	8.3	51
3.6	289	11.9	12.7	94	297	4.5	8.7	51
4.5	289	12.5	13.5	93	295	4.7	8.6	55
5.8	287	13.1	14.2	92	285	4.5	8.5	53
6.0	287	13.0	14.2	92	283	4.6	8.6	53
7.6	280	14.5	16.1	90	269	5.2	9.1	58
9.5	271	16.9	19.2	88	260	6.2	10.3	60
10.6	266	18.7	21.2	88	251	6.0	10.5	56
12.3	261	19.9	22.2	89	241	5.6	10.7	52
14.1	259	18.1	20.6	88	233	3.7	10.1	37
16.6	254	10.2	14.1	72	131	2.5	9.8	25
18.5	247	3.5	9.6	37	100	7.0	10.7	65
20.5	106	2.1	8.3	25	089	9.3	11.8	79
24.0	086	3.9	7.7	50	087	13.2	14.2	93
26.5	074	2.9	7.6	38	084	13.7	14.6	94
31.0	039	1.5	7.8	19	083	16.3	17.6	93
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	090	1.0	1.8	57	091	1.0	1.8	57
0.15	096	2.3	4.6	49	099	2.2	4.5	49
0.3	096	2.4	4.8	49	099	2.3	4.7	49
0.6	103	2.6	5.4	48	104	2.8	5.5	51
0.7	104	2.4	5.4	44	105	2.7	5.2	51
0.9	110	2.5	5.8	43	109	3.1	6.1	52
1.5	120	2.1	6.6	31	114	3.4	6.9	50
2.1	125	1.7	7.0	23	117	3.5	7.1	49
3.1	126	1.4	7.2	19	114	3.3	7.1	47
3.6	120	1.3	7.3	18	112	3.5	7.0	50
4.5	105	1.2	7.0	17	107	3.4	6.8	51
5.8	098	1.7	6.9	25	099	3.4	6.4	52
6.0	094	1.8	6.9	26	100	3.4	6.4	53
7.6	093	2.1	6.8	31	092	3.2	6.3	52
9.5	087	3.1	7.2	43	084	3.8	6.7	56
10.6	084	4.0	7.7	52	082	4.5	7.4	61
12.3	082	5.5	9.2	59	081	5.4	8.7	62
14.1	079	7.9	11.1	71	081	6.9	10.6	65
16.6	079	12.4	14.2	87	079	11.9	13.7	86
18.5	083	15.1	16.2	93	082	14.0	15.2	92
20.5	084	17.0	17.7	96	085	15.7	16.8	94
24.0	085	19.0	19.6	97	085	18.8	19.6	96
26.5	085	21.1	21.7	97	085	22.5	23.2	97
31.0	085	27.7	28.4	97	085	27.3	27.7	98
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	085	0.6	1.6	36	288	0.3	0.6	42
0.15	087	1.0	4.3	24	291	1.2	3.1	40
0.3	087	1.1	4.5	24	291	1.3	3.2	41
0.6	096	1.4	5.2	27	288	1.5	3.4	44
0.7	093	2.0	5.2	39	292	1.5	3.1	49
0.9	105	1.4	5.7	25	284	1.7	3.7	48
1.5	109	1.4	6.5	22	283	2.3	4.3	54
2.1	108	1.2	6.8	18	291	2.5	4.8	51
3.1	103	1.3	6.6	19	297	3.0	5.5	53
3.6	102	1.3	6.4	20	293	3.6	6.1	60
4.5	121	0.5	6.2	08	284	5.4	7.3	73
5.8	236	1.2	6.8	18	278	8.9	10.5	85
6.0	244	1.4	6.8	21	277	9.7	11.3	85
7.6	246	3.4	7.6	45	268	14.7	16.3	90
9.5	245	4.8	8.7	55	261	20.3	22.1	92
10.6	243	5.2	9.5	55	258	22.4	24.1	93
12.3	239	5.3	10.2	51	256	23.4	25.0	93
14.1	232	3.5	10.2	34	254	21.7	23.3	93
16.6	111	2.0	9.2	22	255	14.1	16.4	86
18.5	095	5.3	9.3	56	260	6.2	10.7	58
20.5	087	7.8	9.9	78	264	0.8	7.9	11
24.0	088	11.5	13.0	88	097	2.2	7.5	29
26.5	087	13.5	14.6	93	087	2.8	7.5	37
31.0	079	16.9	18.0	94	073	2.6	7.9	34
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GORAKHPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	278	0.4	0.4	84	276	0.4	0.6	69
0.15	281	2.1	3.0	71	278	2.1	3.1	69
0.3	282	2.3	3.1	72	279	2.2	3.2	69
0.6	285	2.4	3.3	72	280	2.4	3.6	68
0.7	288	2.3	3.3	68	284	2.3	3.3	72
0.9	286	2.6	3.6	71	284	2.7	4.0	67
1.5	288	2.9	4.5	66	292	3.4	5.3	64
2.1	294	3.7	5.6	66	294	5.4	7.1	76
3.1	294	6.3	8.0	79	290	8.9	10.0	89
3.6	291	7.9	9.4	84	289	10.8	11.7	92
4.5	287	10.8	12.0	90	285	13.9	14.9	93
5.8	280	16.0	17.2	93	280	19.1	20.3	94
6.0	279	16.9	18.1	93	279	20.1	21.3	94
7.6	274	23.3	24.8	94	274	27.1	28.7	94
9.5	268	29.6	31.6	94	271	33.3	35.1	95
10.6	266	32.3	34.8	93	269	36.1	38.2	94
12.3	263	34.9	37.4	93	267	37.1	39.5	94
14.1	263	33.0	35.0	94	266	36.4	38.3	95
16.6	265	22.8	24.6	92	265	27.6	28.8	96
18.5	269	12.5	15.4	81	272	17.8	19.6	90
20.5	272	6.9	10.5	65	270	11.6	13.8	84
24.0	279	5.9	10.2	58				
26.5	276	8.4	12.6	67				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	031	0.3	0.6	43	335	0.4	1.1	38
0.15	027	1.4	2.9	48	347	1.4	3.3	43
0.3	029	1.4	2.9	47	343	1.4	3.4	41
0.6	039	0.9	2.9	32	310	1.3	3.7	35
0.7	062	0.8	2.8	29	298	0.9	3.1	27
0.9	355	0.1	2.9	02	271	2.0	3.8	52
1.5	241	2.3	4.1	57	248	4.9	5.7	86
2.1	239	4.3	5.7	76	244	7.7	8.4	92
3.1	264	8.0	9.4	85	260	11.0	11.8	93
3.6	269	12.5	13.6	92	266	14.2	14.9	95
4.5	270	19.2	19.9	96	268	19.6	20.3	97
5.8	272	25.1	26.1	96	271	24.6	25.6	96
6.0	272	26.0	27.0	96	271	25.5	26.6	96
7.6	272	33.2	34.9	95	270	31.8	33.5	95
9.5	269	42.0	44.0	95	268	40.2	42.4	95
10.6	267	46.4	48.5	95	266	43.8	46.2	95
12.3	264	47.3	49.0	96	264	45.5	47.3	96
14.1	264	40.3	41.5	97	265	38.8	40.4	96
16.6	267	26.1	27.7	94	267	25.2	26.3	95
18.5	269	14.0	16.1	87	268	14.1	15.9	88
20.5	260	7.4	10.8	69	260	6.8	10.3	66
24.0	255	6.4	9.0	71	240	4.3	8.1	52
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	318	0.5	1.9	28	037	0.8	2.3	34
0.15	330	1.4	4.2	33	035	1.4	4.3	32
0.3	323	1.4	4.4	31	034	1.3	4.5	29
0.6	285	1.8	4.7	38	332	0.3	4.6	06
0.7	267	1.7	4.5	38	246	1.0	4.4	22
0.9	263	2.9	4.9	60	246	2.0	4.7	42
1.5	249	6.2	6.9	89	243	6.5	7.4	88
2.1	246	9.2	9.7	95	248	9.4	10.0	93
3.1	258	12.2	12.8	95	261	12.3	13.0	94
3.6	264	14.2	14.9	95	265	13.3	14.2	94
4.5	269	17.6	18.4	96	269	14.8	15.8	93
5.8	272	20.7	21.7	95	272	15.9	17.1	93
6.0	272	20.9	21.9	95	272	16.3	17.5	93
7.6	272	25.0	26.6	94	272	19.4	21.0	93
9.5	269	32.7	35.1	93	269	24.9	27.1	92
10.6	266	36.8	39.3	93	266	29.3	31.7	92
12.3	265	39.2	41.3	95	265	33.2	35.3	94
14.1	266	33.9	35.4	96	266	28.9	30.3	95
16.6	269	21.7	23.1	94	272	16.2	17.7	91
18.5	272	9.0	11.9	76	269	4.9	8.9	55
20.5	254	3.8	8.4	45	238	0.5	6.1	07
24.0	201	1.7	6.7	25	242	0.5	6.1	09
26.5					031	0.9	6.4	14
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	0.7	1.7	40	350	0.2	1.4	12
0.15	044	1.3	3.5	39	335	0.4	3.0	13
0.3	046	1.3	3.5	36	328	0.4	3.1	12
0.6	057	0.5	3.5	15	288	0.4	3.4	12
0.7	188	0.4	3.6	10	231	0.6	3.1	18
0.9	241	0.9	3.6	24	247	1.2	4.0	30
1.5	239	4.5	6.0	75	229	3.3	5.4	60
2.1	245	6.4	7.7	83	228	4.1	6.3	65
3.1	259	7.8	9.2	84	235	4.0	6.7	59
3.6	264	7.9	9.5	83	237	3.7	6.7	55
4.5	267	8.2	9.9	83	240	3.6	6.7	53
5.8	266	9.4	11.2	84	243	4.1	7.0	58
6.0	266	9.8	11.6	84	244	4.1	7.0	58
7.6	265	12.6	14.5	87	247	4.6	7.5	61
9.5	260	17.6	19.5	90	255	5.2	8.3	62
10.6	257	19.9	21.6	92	257	5.3	8.7	60
12.3	255	21.5	23.1	93	259	4.8	9.5	51
14.1	257	19.2	21.0	91	285	3.4	10.1	33
16.6	259	7.1	11.0	64	056	5.2	10.2	51
18.5	139	1.3	7.6	18	085	10.1	11.7	87
20.5	089	4.5	7.1	64	081	11.8	13.0	91
24.0	077	4.8	7.0	68	081	13.7	14.3	96
26.5	075	6.5	8.9	73	080	15.4	16.2	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	256	0.3	1.4	18	225	0.2	1.4	12
0.15	287	0.6	3.0	20	270	0.3	3.1	09
0.3	287	0.6	3.1	21	273	0.4	3.2	11
0.6	288	1.0	3.7	27	293	0.5	3.7	14
0.7	266	1.0	3.3	29	287	0.5	3.3	16
0.9	261	1.5	4.2	36	264	0.6	4.1	14
1.5	229	2.8	5.2	54	201	1.4	4.8	29
2.1	218	3.4	5.8	59	184	2.2	5.1	42
3.1	208	2.9	6.0	47	161	2.1	5.5	38
3.6	200	2.5	5.9	43	151	2.1	5.7	36
4.5	197	2.0	5.8	35	147	1.9	5.7	33
5.8	178	1.2	5.5	23	132	1.8	5.2	34
6.0	172	1.1	5.4	20	126	1.8	5.1	35
7.6	114	1.1	5.3	21	090	2.2	5.3	42
9.5	067	2.7	6.3	43	063	3.8	6.3	59
10.6	060	4.2	7.6	55	060	4.8	7.5	64
12.3	060	6.4	9.9	64	058	6.3	9.7	65
14.1	063	9.5	12.9	74	060	9.1	12.2	75
16.6	071	16.1	17.3	93	074	14.8	15.8	93
18.5	082	17.8	18.4	96	082	15.4	16.0	96
20.5	083	17.8	18.4	96	085	16.4	16.9	97
24.0	081	20.1	20.8	97	084	19.6	20.1	97
26.5	079	23.6	24.9	95	080	23.6	24.2	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	235	0.1	1.1	09	049	0.3	0.9	36
0.15	269	0.3	2.9	11	040	1.2	2.9	41
0.3	273	0.3	3.0	11	043	1.2	3.0	40
0.6	276	0.9	3.5	25	067	0.8	3.2	25
0.7	267	0.9	3.2	28	069	0.6	2.7	24
0.9	259	1.5	4.0	38	184	0.3	3.3	08
1.5	239	2.7	4.9	56	230	1.9	4.3	45
2.1	230	3.1	5.2	59	234	3.0	4.8	62
3.1	226	2.8	5.5	52	246	3.7	5.4	68
3.6	229	2.7	5.6	48	256	4.6	6.2	74
4.5	235	2.9	5.9	48	262	7.2	8.5	85
5.8	240	2.8	5.7	49	260	10.6	11.7	90
6.0	240	2.8	5.8	49	260	11.2	12.3	91
7.6	246	2.6	6.0	43	260	14.6	16.0	91
9.5	259	2.9	7.4	39	258	18.4	19.9	92
10.6	265	3.1	8.1	38	258	20.1	21.6	93
12.3	279	3.3	9.3	35	258	20.5	22.4	91
14.1	327	2.4	9.6	25	258	18.1	19.7	91
16.6	081	4.9	8.5	58	256	7.9	10.8	73
18.5	092	7.4	8.8	84	207	1.6	6.6	25
20.5	086	10.5	11.3	93	093	2.9	6.2	47
24.0	084	12.1	12.8	94	080	4.5	7.2	62
26.5	078	14.4	15.5	93	070	7.3	9.6	76
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GUWAHATI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	055	0.6	0.7	79	050	0.4	0.6	75
0.15	057	2.6	3.3	80	054	2.2	3.1	72
0.3	059	2.7	3.4	79	056	2.2	3.2	70
0.6	071	2.5	3.5	72	069	2.0	3.2	63
0.7	081	1.8	3.0	60	077	2.3	3.1	73
0.9	087	1.8	3.3	54	085	1.2	2.9	41
1.5	170	0.9	3.6	24	195	1.0	3.4	29
2.1	219	2.2	4.3	50	218	2.2	4.3	51
3.1	252	4.0	6.1	65	264	5.2	7.6	68
3.6	264	6.2	8.0	76	270	9.4	11.1	84
4.5	268	11.6	12.8	91	272	15.7	16.8	93
5.8	268	17.1	18.2	94	272	21.5	22.7	95
6.0	268	18.0	19.2	94	272	22.4	23.6	95
7.6	267	24.0	25.8	93	271	29.8	31.2	96
9.5	264	31.5	33.6	94	269	39.2	40.8	96
10.6	262	35.5	37.8	94	266	43.7	45.5	96
12.3	261	36.8	39.2	94	263	45.4	47.3	96
14.1	262	31.3	33.0	95	263	40.2	41.5	97
16.6	267	17.3	18.7	92	267	25.7	26.8	96
18.5	265	7.0	9.9	71	270	13.8	16.0	87
20.5	257	3.6	7.3	49	263	6.9	10.1	68
24.0	256	0.8	7.0	12	258	5.1	9.3	55
26.5	304	2.6	6.9	38				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	359	0.6	0.9	62	343	0.8	1.4	61
0.15	009	2.6	4.0	65	357	2.8	4.6	62
0.3	008	2.4	3.7	64	356	2.7	4.3	62
0.6	355	2.3	4.1	56	345	2.7	4.7	57
0.7	333	2.3	4.1	57	330	2.6	4.7	56
0.9	321	2.0	4.2	47	319	2.5	4.8	52
1.5	282	3.9	5.5	71	282	3.8	5.6	67
2.1	276	6.5	7.7	84	272	6.2	7.7	80
3.1	273	10.4	11.6	89	271	10.5	12.0	87
3.6	273	12.4	13.6	91	271	12.9	14.3	90
4.5	273	16.1	17.4	93	272	16.4	17.8	92
5.8	272	22.0	23.5	94	271	22.1	23.7	93
6.0	272	23.3	24.7	94	271	23.0	24.7	93
7.6	269	31.6	33.5	94	269	29.9	32.2	93
9.5	268	39.4	41.9	94	269	37.0	40.3	92
10.6	266	42.4	45.1	94	270	41.9	45.4	92
12.3	264	41.8	44.4	94	269	44.9	48.2	93
14.1	262	40.6	43.1	94	271	43.1	46.0	94
16.6	264	27.1	29.7	91	270	35.4	36.9	96
18.5	269	13.3	22.9	58				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	329	1.3	1.9	67	313	1.7	2.3	74
0.15	336	3.5	5.0	69	317	4.2	5.7	74
0.3	335	3.2	4.7	68	317	3.9	5.3	74
0.6	328	3.7	5.4	69	312	4.6	6.1	77
0.7	322	4.1	5.8	70	313	4.2	5.7	74
0.9	314	3.8	5.5	69	306	4.9	6.3	77
1.5	289	4.6	6.0	76	295	5.3	6.5	82
2.1	277	6.1	7.4	83	284	5.9	6.9	85
3.1	270	10.0	11.4	88	274	7.8	8.9	88
3.6	271	12.2	13.5	90	272	9.2	10.4	89
4.5	271	15.5	16.9	92	272	12.0	13.2	91
5.8	271	19.6	21.1	93	275	14.6	16.0	91
6.0	271	20.4	22.0	92	276	15.1	16.5	91
7.6	271	25.4	27.4	92	275	18.5	20.3	91
9.5	270	31.9	34.9	91	271	23.9	26.6	90
10.6	269	35.3	38.3	92	269	27.3	30.5	90
12.3	267	36.3	39.8	91	267	29.6	32.7	91
14.1	266	34.5	36.9	94	266	29.3	31.7	93
16.6	267	26.4	28.2	93	271	18.6	21.4	87
18.5	265	16.0	20.9	77	277	7.3	13.3	55
20.5	251	9.4	18.8	50	336	1.9	12.0	15
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	303	1.8	2.5	70	317	1.0	2.4	40
0.15	311	4.1	5.9	69	323	2.5	5.8	42
0.3	311	3.8	5.5	69	321	2.3	5.4	42
0.6	309	4.5	6.2	72	321	2.9	6.2	47
0.7	305	4.8	6.5	73	321	2.7	6.3	43
0.9	304	4.8	6.4	75	318	3.2	6.2	51
1.5	297	5.4	6.6	82	313	3.7	6.4	58
2.1	291	6.1	7.1	85	312	4.3	6.8	63
3.1	284	7.4	8.4	88	309	5.0	7.4	67
3.6	284	8.1	9.1	89	307	5.2	7.7	67
4.5	286	9.3	10.6	88	308	5.8	8.3	70
5.8	286	10.9	12.5	87	298	5.5	8.5	64
6.0	287	11.2	12.7	87	297	5.5	8.6	63
7.6	282	14.0	16.2	86	283	5.8	9.6	60
9.5	272	18.3	21.0	87	268	5.5	10.2	54
10.6	266	20.2	23.1	88	258	5.5	10.6	52
12.3	260	22.0	24.6	89	242	4.3	10.7	40
14.1	256	18.5	20.9	88	211	1.9	10.8	17
16.6	256	7.7	12.1	63	094	5.9	10.9	54
18.5	133	1.2	10.5	11	094	10.4	12.0	87
20.5	084	4.9	8.6	57	085	12.0	12.7	94
24.0	096	5.3	8.0	66	086	13.6	14.3	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	266	0.7	1.9	37	280	0.4	1.7	25
0.15	281	1.3	5.3	25	306	1.4	5.2	26
0.3	277	1.3	5.0	26	304	1.3	4.9	26
0.6	285	1.6	5.7	29	315	1.5	5.8	26
0.7	291	1.1	5.8	18	291	2.3	5.9	38
0.9	291	1.8	6.0	30	319	1.7	6.1	27
1.5	301	2.0	6.4	31	330	1.7	6.5	25
2.1	308	2.0	6.6	30	350	1.5	6.5	23
3.1	330	2.1	6.6	31	009	1.9	6.7	28
3.6	338	2.1	6.8	30	013	2.0	6.5	31
4.5	349	1.8	6.7	27	030	2.0	6.2	32
5.8	029	1.0	6.7	15	058	1.7	6.0	28
6.0	037	0.9	6.6	13	061	1.7	6.0	28
7.6	081	1.4	6.7	21	085	2.6	6.5	40
9.5	093	3.6	7.6	47	095	4.2	7.2	58
10.6	094	5.4	8.5	64	095	5.4	7.9	68
12.3	091	7.6	10.5	73	090	7.3	9.9	74
14.1	085	10.4	13.2	79	086	10.3	12.9	79
16.6	080	17.1	18.3	94	085	16.1	17.1	94
18.5	084	18.4	19.1	96	088	16.0	17.0	94
20.5	085	18.2	19.0	96	086	16.6	17.5	95
24.0	085	20.3	21.1	96	085	20.4	20.7	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	322	0.6	1.5	40	340	0.3	0.7	53
0.15	334	2.3	4.9	46	351	2.5	4.1	61
0.3	332	2.1	4.6	45	351	2.4	3.9	61
0.6	334	2.6	5.4	47	346	2.7	4.3	62
0.7	349	2.6	5.6	47	342	2.9	4.4	66
0.9	332	2.9	5.8	50	339	2.9	4.4	65
1.5	329	3.4	6.3	54	326	3.4	4.8	70
2.1	330	3.8	6.7	56	318	4.0	5.5	72
3.1	333	3.8	6.9	55	309	4.8	6.7	72
3.6	332	3.5	6.8	52	301	5.3	7.2	74
4.5	316	2.9	6.6	44	289	6.4	8.3	77
5.8	287	2.9	7.0	42	278	9.2	11.3	82
6.0	282	3.0	7.0	43	277	9.7	11.8	82
7.6	265	3.9	7.5	52	268	14.3	16.5	87
9.5	247	4.5	8.4	54	261	19.8	21.7	91
10.6	235	4.8	9.0	53	259	22.1	23.9	92
12.3	221	4.3	9.7	44	255	22.7	24.6	92
14.1	190	2.8	9.8	29	252	19.8	21.7	91
16.6	105	5.4	9.2	58	249	8.9	12.3	72
18.5	092	7.8	9.2	85	192	1.4	8.9	16
20.5	084	9.7	10.5	92	092	2.7	7.9	34
24.0	089	11.2	12.6	89	098	6.4	7.4	86
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : GWALIOR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	335	0.2	0.3	64	356	0.3	0.4	71
0.15	354	2.7	3.9	69	004	2.7	3.9	70
0.3	353	2.4	3.5	69	005	2.4	3.5	69
0.6	348	2.8	4.1	67	352	2.5	3.9	64
0.7	345	2.7	4.1	66	341	2.6	3.9	66
0.9	338	2.7	4.1	65	328	2.4	4.0	60
1.5	318	3.1	4.6	67	301	3.6	5.2	69
2.1	307	4.1	5.7	72	291	5.3	6.8	78
3.1	294	6.0	7.6	79	283	8.1	9.5	85
3.6	289	7.3	8.9	82	281	9.8	11.2	87
4.5	283	9.9	11.5	86	277	13.0	14.4	90
5.8	278	14.3	16.1	89	274	18.4	19.8	93
6.0	277	15.2	16.9	90	273	19.4	20.8	93
7.6	272	21.1	23.0	91	270	26.8	28.4	94
9.5	267	29.0	31.4	92	267	34.7	37.0	94
10.6	265	32.6	35.3	92	265	37.8	40.5	93
12.3	262	35.0	37.8	92	261	40.1	42.8	93
14.1	262	31.1	33.6	92	263	38.7	40.6	95
16.6	268	19.8	22.4	88	268	29.4	30.9	95
18.5	269	9.5	16.3	58	271	20.9	24.1	87
20.5	288	3.5	14.8	24	273	15.5	22.2	70
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	108	2.1	2.7	77	121	1.7	2.9	58
0.15	110	3.1	4.0	78	124	2.5	4.2	59
0.3								
0.6	110	2.9	3.7	78	123	2.3	3.8	60
0.7	108	3.0	4.2	72	126	2.3	4.6	50
0.9	105	2.9	3.9	74	122	2.2	4.2	52
1.5	097	1.8	3.6	49	134	1.2	4.0	31
2.1	037	0.5	3.9	12	223	0.7	4.2	16
3.1	291	3.1	6.0	51	280	3.4	6.1	55
3.6	286	4.6	7.2	64	282	5.2	7.5	69
4.5	280	6.9	9.1	75	280	7.7	9.8	78
5.8	276	10.1	12.1	83	277	10.9	12.9	84
6.0	275	10.5	12.6	84	277	11.4	13.4	85
7.6	272	14.8	16.9	88	274	15.5	17.9	87
9.5	266	19.6	21.6	91	268	20.1	22.7	88
10.6	260	21.3	23.3	91	263	21.2	23.8	89
12.3	255	21.8	24.0	91	260	21.5	24.1	89
14.1	255	19.6	22.0	89	261	19.0	21.7	88
16.6	260	10.7	13.3	80	266	11.0	13.7	80
18.5	265	5.4	8.4	64	267	6.3	9.2	69
20.5	265	3.2	7.2	44	266	4.1	7.8	52
24.0	141	1.0	7.1	15	262	1.1	7.5	15
26.5	041	0.6	7.9	08	274	2.1	9.7	21
31.0					270	6.0	13.4	45
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	121	1.5	2.7	55	124	1.0	2.7	37
0.15	123	2.3	4.1	56	128	1.6	4.1	40
0.3								
0.6	123	2.1	3.8	57	130	1.5	3.7	39
0.7	123	2.0	4.2	48	123	2.1	4.8	43
0.9	119	2.1	4.1	50	116	1.4	4.1	34
1.5	118	1.3	3.9	34	092	0.9	3.8	23
2.1	147	0.4	3.8	11	045	0.5	3.6	14
3.1	290	1.8	4.9	36	332	1.2	4.2	28
3.6	293	2.9	5.8	50	324	1.8	4.9	37
4.5	290	4.9	7.5	65	311	3.3	5.9	55
5.8	282	7.6	9.8	77	291	4.8	7.4	65
6.0	281	8.0	10.3	78	289	5.1	7.7	67
7.6	273	11.7	14.3	82	276	8.5	11.3	75
9.5	269	17.1	19.6	87	267	13.1	16.2	81
10.6	264	19.5	22.1	88	261	15.3	18.4	83
12.3	260	20.4	22.8	89	254	16.9	19.7	86
14.1	261	18.1	20.5	88	255	14.1	16.7	84
16.6	265	9.4	12.5	75	260	4.3	9.9	44
18.5	277	4.1	8.1	51	078	1.1	7.1	15
20.5	270	2.7	6.7	40	090	2.0	6.3	31
24.0	114	1.6	7.4	21	095	4.9	7.5	65
26.5	146	1.1	8.8	13	091	6.3	9.6	65
31.0	280	0.6	12.9	04	083	7.5	12.1	62
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	298	0.5	3.1	17	262	3.7	4.8	78
0.15	295	0.8	4.5	17	260	5.4	6.9	78
0.3								
0.6	297	0.7	4.2	17	261	4.9	6.3	78
0.7	277	1.1	5.0	22	257	5.3	7.2	73
0.9	325	1.1	4.6	24	266	5.9	7.4	80
1.5	341	2.0	4.6	44	275	6.7	8.1	82
2.1	343	2.6	4.7	54	280	6.9	8.5	81
3.1	347	3.0	5.3	56	288	5.7	8.1	70
3.6	348	3.1	5.7	53	291	4.9	7.8	63
4.5	343	3.2	6.0	53	292	3.9	7.2	53
5.8	341	3.3	6.4	52	294	3.2	6.2	51
6.0	337	3.4	6.7	50	295	3.0	6.1	49
7.6	309	3.2	7.8	41	350	1.4	5.3	27
9.5	267	4.2	9.0	47	070	4.3	6.6	65
10.6	250	4.6	9.3	49	080	7.3	9.0	81
12.3	224	4.7	10.3	46	086	12.1	13.4	90
14.1	182	4.2	10.9	38	088	18.8	19.9	94
16.6	105	8.0	11.0	72	087	25.1	25.8	97
18.5	093	9.7	10.9	89	086	20.7	21.3	97
20.5	097	8.5	9.5	89	095	16.1	16.7	97
24.0	087	11.3	12.0	93	088	18.0	18.5	97
26.5	089	13.6	14.5	94	085	22.8	23.1	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	264	4.5	5.1	88	272	4.3	4.9	87
0.15	261	6.4	7.2	89	271	6.1	6.9	88
0.3								
0.6	262	5.9	6.6	88	271	5.5	6.3	88
0.7	259	7.1	7.9	90	274	6.0	7.0	85
0.9	267	7.4	8.2	90	277	7.1	7.9	90
1.5	273	9.5	10.0	94	281	9.3	10.0	94
2.1	276	10.5	11.1	94	284	10.5	11.1	94
3.1	279	9.5	10.4	91	285	9.2	10.0	91
3.6	280	8.3	9.4	89	286	7.9	9.1	88
4.5	282	6.4	8.0	80	286	5.9	7.5	78
5.8	285	3.9	6.4	61	291	3.5	6.0	57
6.0	287	3.3	6.2	54	293	3.0	5.8	52
7.6	042	1.7	5.6	30	035	1.6	5.7	28
9.5	079	7.5	8.9	84	082	6.9	8.4	82
10.6	084	11.6	12.4	94	086	10.9	11.8	93
12.3	085	19.2	19.7	97	086	17.7	18.4	96
14.1	082	27.0	27.6	97	082	24.9	25.8	97
16.6	085	33.0	33.5	98	085	30.4	31.1	98
18.5	086	25.3	25.7	98	087	22.8	23.2	98
20.5	091	20.8	21.3	98	091	20.7	21.1	98
24.0	088	21.7	22.2	98	088	22.2	22.6	98
26.5	085	26.4	26.8	99	086	26.8	27.0	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	290	1.7	3.7	47	058	1.5	3.2	47
0.15	292	2.4	5.0	47	058	2.2	4.6	48
0.3								
0.6	293	2.1	4.5	46	059	2.0	4.2	47
0.7	289	3.0	5.5	54	068	2.4	4.7	51
0.9	301	2.8	5.3	53	051	2.6	4.9	52
1.5	299	3.8	6.4	59	042	3.0	5.5	55
2.1	298	4.1	6.9	60	040	3.1	5.7	54
3.1	296	3.6	6.6	55	038	2.2	5.6	38
3.6	292	3.1	6.1	50	032	1.3	5.4	25
4.5	280	2.0	5.4	37	042	0.5	5.2	10
5.8	266	0.5	5.1	10	062	0.5	5.3	09
6.0	279	0.1	5.0	03	076	0.5	5.3	09
7.6	084	2.0	5.0	39	126	0.5	5.7	08
9.5	087	5.8	7.3	79	181	1.2	6.8	17
10.6	090	8.0	9.1	88	172	2.4	7.9	31
12.3	094	12.5	13.4	93	158	4.7	9.9	47
14.1	092	18.0	18.9	95	138	6.8	11.5	59
16.6	089	20.5	21.1	97	105	7.9	10.4	76
18.5	090	16.7	17.2	97	095	8.0	9.3	86
20.5	095	15.7	16.2	97	096	9.2	9.9	93
24.0	089	17.9	18.2	98	088	12.8	13.4	95
26.5	088	21.3	21.7	98	087	15.7	16.3	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : HYDERABAD

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	074	2.3	3.1	75	096	2.3	2.8	82
0.15	077	3.4	4.4	76	097	3.4	4.1	83
0.3								
0.6	077	3.1	4.0	76	098	3.1	3.7	83
0.7	080	3.7	4.6	79	094	3.6	4.3	82
0.9	070	3.6	4.7	77	090	3.4	4.1	81
1.5	063	3.6	4.9	74	078	2.8	4.0	70
2.1	059	3.4	5.1	67	062	2.1	4.2	49
3.1	053	2.3	5.5	41	350	1.0	5.1	20
3.6	047	1.7	5.4	30	315	1.6	5.6	29
4.5	028	1.1	5.8	18	290	2.9	6.6	44
5.8	327	1.6	6.6	25	277	5.1	8.5	60
6.0	319	1.9	6.8	28	274	5.7	8.9	63
7.6	284	3.8	8.0	47	269	9.5	12.3	77
9.5	256	7.4	10.4	72	262	15.1	17.7	85
10.6	242	9.6	12.1	79	255	17.4	20.1	86
12.3	226	11.4	14.5	78	247	19.2	22.2	86
14.1	225	10.2	13.5	75	248	18.0	20.5	88
16.6	196	2.3	7.8	30	255	8.8	12.0	74
18.5	096	2.4	6.3	38	256	1.9	7.0	27
20.5	094	3.6	6.3	57	072	0.4	5.6	07
24.0	091	6.7	8.7	77	098	2.0	6.9	29
26.5	088	9.4	11.1	85	082	3.0	8.5	36
31.0					079	4.5	10.8	42
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	346	0.2	1.1	21	260	0.5	1.5	33
0.15	324	0.7	3.1	23	271	1.5	3.7	39
0.3								
0.6	334	0.6	2.6	23	269	1.2	3.2	39
0.7	323	1.0	3.1	32	271	1.6	3.5	46
0.9	328	0.9	3.2	28	271	1.6	3.8	43
1.5	328	1.4	3.1	44	281	2.0	3.8	53
2.1	323	2.1	3.9	53	294	2.5	4.1	60
3.1	304	4.3	6.5	66	298	4.6	6.3	73
3.6	295	6.2	8.2	75	296	6.4	7.9	80
4.5	289	9.4	11.2	84	291	9.6	11.3	86
5.8	285	13.2	14.8	89	286	13.5	15.2	89
6.0	283	13.7	15.4	89	286	14.3	16.0	89
7.6	281	18.0	20.1	90	284	18.8	20.9	90
9.5	276	22.8	24.7	92	279	23.5	26.6	88
10.6	271	24.5	26.6	92	275	24.5	27.4	89
12.3	267	23.9	26.3	91	273	25.1	27.8	90
14.1	267	20.7	23.4	88	273	21.4	23.7	90
16.6	271	11.7	14.7	80	277	12.2	14.8	82
18.5	278	6.6	10.1	65	282	5.8	10.2	57
20.5	281	2.1	7.5	28	288	3.2	8.0	39
24.0	164	1.0	8.5	12	243	0.7	7.6	10
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	0.8	1.8	45	246	0.9	2.2	39
0.15	269	2.1	4.3	49	253	2.1	5.0	41
0.3								
0.6	267	1.9	3.7	51	253	1.9	4.4	42
0.7	276	2.1	4.2	49	249	1.6	4.6	35
0.9	272	2.2	4.4	50	258	2.2	5.1	44
1.5	283	2.6	4.3	59	275	2.5	4.7	53
2.1	294	3.0	4.5	67	292	2.8	4.6	61
3.1	306	3.8	5.3	72	317	3.1	4.9	64
3.6	309	4.7	6.2	76	324	3.6	5.5	65
4.5	302	6.9	8.5	81	319	4.9	6.8	72
5.8	289	10.8	12.4	87	298	7.4	9.4	79
6.0	288	11.4	13.0	87	296	7.8	9.9	80
7.6	284	15.1	17.2	88	283	11.6	13.9	83
9.5	279	20.0	22.2	90	273	16.4	19.1	86
10.6	275	22.0	24.6	89	269	18.1	20.9	87
12.3	271	22.9	25.3	90	263	19.6	22.1	88
14.1	271	20.5	22.7	90	265	16.1	18.6	87
16.6	273	11.0	13.6	81	261	6.4	11.1	57
18.5	285	4.1	8.1	51	322	0.9	7.6	11
20.5	303	1.0	6.6	16	095	1.2	6.1	19
24.0	185	1.3	7.7	17	103	5.0	7.4	67
26.5	223	2.1	9.0	23	094	3.6	7.6	48
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	234	0.9	2.1	41	241	1.4	2.2	62
0.15	247	2.1	5.0	43	252	3.6	5.5	66
0.3								
0.6	247	1.7	4.2	41	252	3.0	4.6	65
0.7	245	2.3	4.8	47	246	3.2	4.9	65
0.9	257	2.3	5.2	45	260	4.2	6.0	69
1.5	293	2.8	5.0	55	284	4.8	6.7	72
2.1	317	3.5	5.3	66	301	4.9	7.1	69
3.1	340	4.2	6.1	69	318	4.3	7.2	60
3.6	346	4.6	6.5	70	323	4.1	7.2	57
4.5	344	5.0	7.1	70	320	3.8	6.8	56
5.8	322	5.1	7.5	68	317	3.0	6.1	49
6.0	319	5.3	7.8	68	320	2.8	6.2	46
7.6	294	5.9	9.0	65	011	1.5	5.6	27
9.5	270	7.5	10.6	71	083	3.6	6.4	57
10.6	262	7.7	11.3	68	089	5.6	7.9	71
12.3	242	6.9	11.6	59	099	9.6	11.7	82
14.1	215	5.1	11.5	44	099	15.1	16.8	90
16.6	115	6.0	10.6	57	097	20.6	21.7	95
18.5	098	9.1	10.5	87	095	17.7	18.5	95
20.5	104	7.4	8.5	86	100	14.5	15.1	96
24.0	090	9.1	10.5	87	093	17.2	17.6	97
26.5	089	11.2	12.4	90				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	1.6	2.1	77	256	1.5	2.0	77
0.15	258	4.4	5.5	80	267	4.4	5.5	80
0.3								
0.6	259	3.7	4.6	80	267	3.6	4.6	79
0.7	254	4.1	5.1	81	261	4.0	5.0	78
0.9	265	5.3	6.4	83	273	5.3	6.3	83
1.5	281	6.8	8.0	85	287	6.6	8.0	83
2.1	288	7.4	8.9	84	293	6.5	8.4	77
3.1	290	6.6	8.6	77	294	5.4	7.7	70
3.6	291	5.7	8.0	72	295	4.5	7.3	62
4.5	294	4.4	6.9	63	299	2.8	6.2	46
5.8	301	2.0	5.9	34	342	1.0	5.8	17
6.0	310	1.7	5.9	29	011	0.9	5.8	15
7.6	079	2.4	5.9	41	081	2.7	5.9	46
9.5	094	6.8	8.4	81	093	7.3	8.7	84
10.6	097	10.1	11.1	91	095	10.2	11.4	90
12.3	093	15.6	16.6	94	094	15.1	16.0	94
14.1	089	22.9	23.8	96	090	21.8	22.7	96
16.6	091	29.3	30.5	96	093	27.0	27.6	98
18.5	094	24.4	24.9	98	097	21.7	22.4	97
20.5	099	20.8	21.4	97	100	20.0	20.5	98
24.0	095	22.7	23.3	97	097	23.1	23.7	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	269	0.7	1.7	41	021	0.9	1.4	59
0.15	283	2.0	4.5	43	031	2.6	4.3	61
0.3								
0.6	291	1.5	3.6	40	029	2.0	3.4	59
0.7	272	2.0	4.1	49	030	2.6	4.2	61
0.9	295	2.1	5.1	41	036	2.9	4.6	63
1.5	313	2.6	5.7	46	039	3.1	5.0	62
2.1	329	2.5	6.0	42	045	2.8	5.2	54
3.1	321	1.9	5.7	33	045	1.4	5.1	27
3.6	307	1.6	5.3	30	034	0.5	5.1	09
4.5	286	1.0	5.3	19	249	0.7	5.3	14
5.8	187	0.4	5.1	07	253	1.3	5.5	23
6.0	146	0.4	5.1	07	254	1.4	5.5	25
7.6	091	2.1	5.4	39	254	2.3	6.1	37
9.5	098	4.7	6.7	70	247	3.4	7.2	47
10.6	102	6.8	8.4	81	233	4.2	8.4	50
12.3	104	10.1	11.5	87	212	5.4	10.2	53
14.1	100	14.9	16.4	91	193	5.4	10.9	50
16.6	096	18.1	18.8	96	113	5.3	8.9	60
18.5	098	14.8	15.2	97	101	6.8	8.1	84
20.5	103	14.2	14.7	97	099	7.8	8.6	91
24.0	096	17.3	17.9	96	098	10.8	11.4	95
26.5	092	19.7	20.2	98	093	12.9	13.8	93
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JAGDALPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	025	1.2	1.6	79	017	0.6	1.0	60
0.15	033	3.2	4.2	75	021	1.9	3.2	60
0.3								
0.6	033	2.6	3.5	75	020	1.5	2.7	57
0.7	026	3.1	4.2	73	014	2.1	3.2	64
0.9	034	3.4	4.4	77	022	2.0	3.2	63
1.5	039	3.0	4.1	72	015	1.9	3.1	62
2.1	042	2.2	4.0	55	004	1.5	3.5	44
3.1	346	1.1	4.6	24	318	2.6	5.2	49
3.6	315	1.6	5.0	31	306	3.7	6.0	61
4.5	295	2.8	6.0	47	294	5.8	8.0	72
5.8	290	4.6	7.7	60	287	8.5	10.7	79
6.0	290	5.0	8.1	62	286	8.8	11.0	79
7.6	283	7.9	10.5	76	280	12.5	14.7	85
9.5	267	12.0	14.0	85	274	17.8	20.0	89
10.6	258	14.3	16.1	89	267	20.2	22.8	89
12.3	248	15.7	18.2	86	258	21.9	24.9	88
14.1	248	13.7	16.5	83	257	19.7	21.8	90
16.6	246	4.2	9.0	47	267	8.5	11.8	71
18.5	093	0.6	6.2	09	281	2.4	7.2	33
20.5	097	3.0	5.8	52	075	1.1	5.8	20
24.0	099	6.7	8.4	79	094	2.8	7.1	39
26.5	089	7.3	10.0	73				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	013	1.0	2.3	45	303	0.8	2.6	33
0.15	354	1.4	3.8	38	294	1.6	4.2	38
0.3	005	1.2	2.8	41	299	1.0	3.1	33
0.6	355	1.4	3.9	36	290	1.7	4.5	38
0.7	340	1.1	4.0	27	285	1.8	4.5	40
0.9	350	1.2	4.0	31	286	1.7	4.5	38
1.5	295	1.5	4.4	33	274	2.2	4.9	46
2.1	272	4.0	6.1	65	271	3.9	6.0	65
3.1	271	9.1	10.6	86	270	8.9	10.4	85
3.6	271	11.7	13.1	89	271	11.3	12.8	89
4.5	272	16.1	17.6	92	271	15.7	17.2	91
5.8	272	22.5	24.0	93	273	21.6	23.1	93
6.0	272	23.9	25.5	94	273	22.8	24.4	93
7.6	272	31.5	33.5	94	273	30.7	32.9	93
9.5	270	41.2	43.6	94	271	39.5	42.3	93
10.6	270	45.8	48.5	94	271	43.5	46.5	93
12.3	269	47.5	50.0	95	270	44.4	46.9	95
14.1	270	43.6	45.1	96	270	39.3	41.0	96
16.6	270	31.1	32.3	96	271	28.9	30.1	96
18.5	273	19.7	20.9	94	272	18.8	19.9	94
20.5	272	10.2	13.3	77	273	10.7	13.7	78
24.0	270	8.1	12.3	65	258	8.9	12.1	74
26.5					258	12.9	16.5	78
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	264	1.8	3.1	58	251	2.7	3.7	73
0.15	266	3.0	4.8	63	252	4.3	5.6	76
0.3	265	2.1	3.5	59	252	3.1	4.2	75
0.6	266	3.3	5.1	64	254	4.5	5.8	77
0.7	271	3.2	5.0	64	259	4.2	5.4	78
0.9	265	3.4	5.3	64	255	4.6	5.9	77
1.5	265	3.7	5.5	67	256	4.7	6.0	78
2.1	264	4.3	5.9	73	258	4.7	5.9	79
3.1	267	7.5	8.8	85	263	5.2	6.6	79
3.6	268	9.5	10.9	87	268	6.1	7.6	81
4.5	269	13.3	14.6	91	271	8.6	10.2	84
5.8	270	17.8	19.3	92	273	12.2	13.9	88
6.0	271	18.8	20.3	92	274	12.9	14.5	88
7.6	272	24.5	26.3	93	275	17.2	19.2	89
9.5	272	30.3	32.9	92	274	22.8	25.4	90
10.6	272	33.3	36.3	92	273	26.9	29.7	90
12.3	270	37.0	39.6	93	269	29.8	32.4	92
14.1	269	33.7	35.6	95	268	26.6	28.5	93
16.6	268	22.3	23.4	95	267	15.8	17.6	90
18.5	272	12.7	14.9	85	274	6.2	10.1	61
20.5	269	6.8	10.1	67	259	0.3	7.4	04
24.0	273	4.8	8.1	59	282	2.6	7.2	35
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	239	4.0	4.9	83	228	3.5	4.6	77
0.15	244	5.9	7.0	84	232	5.1	6.7	75
0.3	239	4.6	5.4	83	230	4.0	5.3	77
0.6	245	6.4	7.5	85	234	5.3	7.1	75
0.7	253	5.9	7.1	82	244	5.0	6.9	73
0.9	247	6.3	7.4	86	236	5.3	7.1	75
1.5	247	6.3	7.3	86	240	4.9	6.9	71
2.1	253	5.7	6.8	84	253	3.3	5.8	56
3.1	267	4.7	6.4	73	317	1.8	5.5	33
3.6	275	4.6	6.7	68	338	2.3	5.9	40
4.5	289	5.5	8.0	69	347	3.3	6.9	49
5.8	293	8.2	10.3	79	330	4.0	7.6	53
6.0	293	8.7	10.9	80	326	4.2	7.8	53
7.6	289	12.2	14.7	83	306	4.6	8.9	52
9.5	280	16.5	19.2	86	288	4.8	9.5	50
10.6	275	18.6	21.3	87	276	4.6	9.5	48
12.3	269	20.7	23.2	89	263	3.8	9.9	39
14.1	266	17.7	20.0	88	238	1.1	9.8	11
16.6	260	7.4	11.9	62	092	6.6	10.5	63
18.5	113	1.9	8.1	23	095	11.2	12.2	92
20.5	092	4.8	6.9	69	092	11.8	12.4	95
24.0	084	5.7	7.3	78	090	12.6	13.2	96
26.5	076	3.1	7.3	43	086	13.8	14.5	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	225	3.3	4.1	80	223	2.6	3.5	74
0.15	222	5.2	6.5	80	221	4.4	6.0	73
0.3	223	4.0	5.0	80	222	3.1	4.2	73
0.6	224	5.4	6.8	78	223	4.5	6.3	71
0.7	231	5.1	6.8	75	232	4.8	6.5	74
0.9	228	5.3	6.9	77	229	4.3	6.4	66
1.5	234	4.3	6.7	64	238	2.7	6.0	46
2.1	245	1.8	5.6	32	304	0.9	5.4	16
3.1	008	2.5	5.8	44	014	3.2	6.0	54
3.6	011	3.4	6.3	53	018	3.9	6.5	61
4.5	016	3.8	6.7	56	020	3.7	6.4	58
5.8	008	2.2	6.0	37	019	2.3	6.1	38
6.0	011	2.1	6.0	35	022	2.1	6.1	34
7.6	049	1.7	6.0	28	062	2.0	5.9	34
9.5	087	3.1	6.4	48	086	3.3	6.4	52
10.6	097	4.8	7.5	64	095	4.4	7.1	61
12.3	101	7.5	9.6	78	103	7.2	9.6	75
14.1	096	11.5	13.5	85	099	10.7	12.8	83
16.6	088	17.6	18.5	95	092	15.7	16.7	94
18.5	091	18.2	18.9	97	093	16.7	17.3	96
20.5	090	17.8	18.2	98	091	16.8	17.1	98
24.0	089	19.1	19.4	98	092	18.1	18.7	97
26.5	084	22.3	22.8	98	089	21.0	21.4	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	234	1.8	3.0	60	277	0.5	1.9	25
0.15	236	2.9	5.1	57	281	1.2	3.8	31
0.3	234	2.0	3.4	59	275	0.7	2.4	28
0.6	239	3.0	5.2	56	292	1.2	3.9	31
0.7	247	2.6	5.0	52	330	1.0	3.7	26
0.9	244	2.9	5.2	55	300	1.3	3.8	33
1.5	259	2.3	5.0	45	309	1.6	3.9	41
2.1	295	1.5	4.8	31	317	1.8	4.1	43
3.1	352	2.2	5.1	43	317	2.4	4.8	49
3.6	359	2.5	5.4	45	310	3.0	5.5	54
4.5	346	2.4	5.8	42	297	4.9	7.1	69
5.8	298	3.0	6.4	47	286	8.2	10.4	79
6.0	292	3.1	6.5	47	284	8.9	11.1	80
7.6	269	4.6	7.5	61	276	13.7	15.8	86
9.5	255	6.0	8.5	70	269	19.1	21.2	90
10.6	247	6.5	9.3	70	264	21.8	23.8	91
12.3	237	6.1	9.9	62	260	24.0	25.8	93
14.1	213	3.9	9.4	42	260	20.8	22.4	93
16.6	106	4.9	9.1	54	257	9.9	12.4	80
18.5	098	8.0	9.3	86	265	1.9	7.4	25
20.5	094	9.4	10.1	94	104	2.5	7.0	35
24.0	093	12.2	12.6	96	097	3.4	7.0	49
26.5	090	14.4	15.2	95	080	1.1	7.3	15
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : JODHPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	021	0.7	1.5	45	027	1.0	1.7	57
0.15	360	1.2	3.3	38	011	1.6	3.4	46
0.3	016	0.8	2.0	43	019	1.2	2.3	54
0.6	005	1.4	3.4	40	016	1.6	3.5	46
0.7	015	1.6	3.5	46	025	1.4	3.3	43
0.9	004	1.4	3.5	39	019	1.5	3.6	42
1.5	353	1.3	3.6	36	348	1.1	3.7	29
2.1	325	1.4	4.1	33	287	2.5	4.8	51
3.1	291	3.5	5.9	60	275	6.4	8.3	78
3.6	286	5.3	7.2	73	275	8.5	10.2	83
4.5	281	8.6	10.3	83	273	12.2	13.9	88
5.8	278	13.0	14.9	88	272	17.4	19.0	91
6.0	278	13.9	15.8	88	272	18.3	19.9	92
7.6	274	19.7	21.9	90	271	25.0	26.8	93
9.5	271	28.0	30.4	92	271	33.2	35.3	94
10.6	268	32.2	34.8	92	270	38.0	40.6	94
12.3	264	35.4	37.9	93	267	40.8	43.2	94
14.1	265	31.2	33.0	94	269	38.1	39.8	95
16.6	269	19.2	20.7	92	271	28.4	29.5	96
18.5	274	7.8	10.7	72	275	16.2	17.8	91
20.5	295	2.1	6.8	31	278	10.1	12.6	80
24.0	267	1.7	6.3	27	269	8.3	10.8	77
26.5	271	5.2	9.5	55				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	045	4.8	5.1	94	068	3.5	4.4	80
0.15	040	6.8	7.3	94	066	5.0	6.2	80
0.3	041	7.0	7.4	95	066	4.9	6.1	80
0.6	043	7.2	7.6	95	065	4.7	5.9	80
0.7	043	7.6	8.0	94	063	4.7	5.9	78
0.9	046	7.1	7.6	94	063	4.7	5.9	80
1.5	051	6.3	7.1	88	055	5.1	6.4	79
2.1	056	5.0	6.5	77	046	4.9	6.3	77
3.1	061	3.3	5.8	56	044	2.8	5.7	49
3.6	064	2.8	5.5	50	041	2.0	5.6	35
4.5	065	2.5	5.8	44	043	1.4	5.9	23
5.8	058	2.2	6.6	34	020	1.4	6.6	20
6.0	057	2.2	6.8	32	020	1.3	6.7	19
7.6	357	1.1	8.0	14	316	1.9	8.6	22
9.5	251	3.0	9.2	33	256	4.0	10.5	38
10.6	225	5.0	10.2	49	238	5.3	10.6	50
12.3	211	6.7	12.5	54	225	6.0	11.8	51
14.1	203	5.7	12.7	45	217	4.7	12.0	39
16.6	126	2.5	9.4	26	150	1.1	8.9	12
18.5	126	1.7	6.7	26	253	1.3	6.7	19
20.5	243	0.9	8.6	10	254	3.3	8.8	37
24.0	088	5.6	11.8	47	090	4.4	11.6	37
26.5	089	7.0	15.0	47	098	7.4	14.9	49
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	107	3.4	4.4	78	140	4.4	5.4	82
0.15	108	4.5	6.0	75	141	6.0	7.2	83
0.3	109	4.2	5.7	74	145	5.4	6.8	80
0.6	107	3.3	5.0	66	154	3.8	5.6	68
0.7	102	3.1	5.1	61	153	3.1	5.6	56
0.9	096	2.7	4.8	58	167	2.0	4.4	45
1.5	073	4.0	5.5	73	055	0.9	4.0	23
2.1	061	5.9	7.0	84	056	3.9	5.5	72
3.1	053	6.0	7.3	82	053	6.7	7.7	87
3.6	056	4.9	6.7	74	052	6.7	7.7	86
4.5	062	3.2	6.0	54	058	4.6	6.4	72
5.8	052	2.3	6.3	37	066	2.5	6.0	42
6.0	046	2.2	6.4	34	067	2.4	6.0	40
7.6	335	1.5	7.9	18	026	0.7	7.1	10
9.5	258	4.1	9.9	41	252	2.9	8.3	35
10.6	242	5.7	11.0	52	234	4.9	9.6	51
12.3	232	7.3	12.5	58	217	6.9	11.5	60
14.1	233	5.7	12.6	45	214	5.6	11.4	49
16.6	154	1.2	9.0	13	121	2.9	8.3	35
18.5	127	0.7	6.9	11	088	2.4	7.1	34
20.5	257	2.6	7.9	33	109	0.5	7.8	06
24.0	095	4.6	11.6	39	093	8.1	13.1	61
26.5	094	9.2	15.8	58	091	13.6	16.7	82
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	177	5.2	6.5	81	212	5.4	7.1	76
0.15	179	7.2	8.8	82	212	8.0	10.0	80
0.3	186	6.7	8.3	81	217	8.2	10.0	83
0.6	204	5.4	7.2	75	231	8.3	9.6	87
0.7	215	5.1	7.0	73	237	8.0	9.2	88
0.9	233	4.2	6.0	69	249	8.4	9.2	91
1.5	287	3.4	5.5	61	269	9.3	9.9	94
2.1	342	2.9	5.8	49	278	9.8	10.6	92
3.1	034	4.1	6.8	61	282	8.3	9.9	84
3.6	040	4.6	7.3	63	280	7.1	9.0	78
4.5	038	3.9	7.1	54	275	5.7	8.0	70
5.8	018	1.9	6.2	30	276	4.6	6.9	65
6.0	014	1.8	6.1	29	274	4.3	6.7	63
7.6	002	1.0	5.9	17	277	1.1	5.4	21
9.5	147	0.5	5.8	08	088	3.5	6.6	53
10.6	145	1.6	6.5	25	090	8.4	10.2	82
12.3	121	4.8	9.1	53	086	17.3	18.3	94
14.1	108	8.7	12.4	71	084	25.4	26.2	97
16.6	097	11.6	13.3	87	088	26.5	27.1	98
18.5	090	9.2	10.6	87	087	16.2	17.0	95
20.5	091	6.9	9.3	74	089	13.2	14.0	94
24.0	091	12.6	14.8	85	090	16.9	17.6	96
26.5	090	16.5	18.3	90	090	21.3	22.0	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	213	4.0	6.2	64	206	3.8	5.7	68
0.15	214	6.3	8.9	71	209	5.8	8.0	73
0.3	222	6.6	8.9	74	219	6.1	7.9	77
0.6	239	6.9	8.4	82	237	6.4	7.6	84
0.7	244	7.7	8.7	89	237	6.4	7.2	88
0.9	252	7.5	8.4	89	252	7.2	7.9	91
1.5	269	8.8	9.3	94	269	8.8	9.3	94
2.1	277	9.6	10.2	94	277	9.6	10.1	95
3.1	281	8.9	9.7	92	281	8.9	9.6	93
3.6	280	7.8	8.8	89	280	7.9	8.8	90
4.5	274	6.3	7.7	82	274	6.5	7.7	84
5.8	267	4.1	6.8	60	270	4.1	6.3	65
6.0	266	3.8	6.6	57	267	3.7	6.2	60
7.6	161	0.8	5.9	14	164	0.7	5.8	12
9.5	095	6.5	8.6	76	100	6.8	8.7	78
10.6	091	12.1	13.2	92	093	12.9	13.7	94
12.3	084	21.6	22.4	97	085	22.4	23.0	97
14.1	082	30.4	31.0	98	083	30.5	31.1	98
16.6	088	30.9	31.5	98	088	28.3	28.8	98
18.5	088	19.7	20.2	97	089	17.7	18.2	97
20.5	088	17.0	17.4	98	089	17.7	18.1	98
24.0	091	21.0	21.3	98	092	20.3	20.7	98
26.5	090	23.1	23.9	97	092	20.5	21.2	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	180	3.2	4.6	70	120	1.0	3.7	28
0.15	185	4.5	6.3	71	118	1.1	5.5	20
0.3	195	4.5	6.2	72	113	0.7	5.5	13
0.6	222	4.1	5.6	73	032	0.4	5.4	08
0.7	223	4.6	5.7	79	340	0.7	5.3	12
0.9	247	4.2	5.7	75	349	1.2	5.5	21
1.5	274	5.2	6.5	79	343	2.4	5.9	40
2.1	282	5.3	6.8	77	345	2.6	6.1	42
3.1	284	4.6	6.5	71	336	1.9	6.0	32
3.6	283	4.2	6.4	66	326	1.5	5.9	25
4.5	282	3.0	5.8	52	348	0.4	5.5	07
5.8	278	1.0	5.1	20	084	1.1	5.5	21
6.0	277	0.7	5.1	13	089	1.4	5.5	25
7.6	097	2.1	5.5	38	103	2.5	5.8	43
9.5	100	6.5	8.0	82	105	4.8	6.6	72
10.6	095	10.3	11.2	92	103	6.7	8.4	79
12.3	090	17.6	18.2	97	098	10.3	12.1	85
14.1	087	24.3	25.1	97	097	14.3	16.3	88
16.6	091	21.4	22.0	97	096	12.1	13.5	90
18.5	088	13.5	14.2	95	091	8.3	9.6	86
20.5	090	14.0	14.6	96	091	9.6	10.8	89
24.0	092	15.9	16.7	95	094	13.5	15.7	86
26.5	090	18.9	20.5	92	090	17.3	18.9	91
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KARAIKAL

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	041	3.5	4.8	74	038	5.3	5.8	90
0.15	034	5.2	7.1	73	032	8.0	8.6	93
0.3	035	5.4	7.4	73	034	8.2	8.8	93
0.6	036	5.7	7.7	73	037	8.4	9.1	92
0.7	042	5.9	7.6	77	037	8.7	9.5	91
0.9	036	5.6	7.8	72	041	8.2	9.0	91
1.5	036	5.0	7.6	66	050	6.7	7.9	85
2.1	039	4.0	7.1	56	059	5.3	7.0	76
3.1	047	2.7	6.5	41	069	4.2	6.2	67
3.6	057	2.3	6.3	37	072	4.0	5.9	67
4.5	072	2.5	6.3	40	073	3.9	6.0	65
5.8	080	3.5	6.8	51	077	3.9	6.6	59
6.0	081	3.5	6.9	51	077	3.8	6.7	57
7.6	088	3.8	7.0	55	071	2.2	7.0	31
9.5	114	3.9	7.2	54	205	2.0	8.4	24
10.6	126	5.4	7.9	68	197	4.8	9.9	49
12.3	128	8.0	10.9	73	192	7.0	12.3	57
14.1	125	8.0	11.6	69	205	6.4	12.6	51
16.6	106	6.8	9.1	75	139	1.9	7.9	24
18.5	096	5.4	7.8	69	098	3.6	7.0	51
20.5	098	4.6	8.2	56	108	1.8	7.2	25
24.0	091	9.6	14.5	66	091	7.1	12.5	56
26.5	093	13.2	17.6	75	094	8.6	15.7	54
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	347	0.5	0.9	59	342	0.3	1.3	22
0.15	335	2.3	3.7	62	316	1.1	3.7	31
0.3	332	2.5	3.9	63	309	1.3	3.9	34
0.6	324	2.7	4.1	66	298	1.7	4.0	43
0.7	321	3.4	4.6	73	291	1.9	4.2	44
0.9	316	3.5	4.7	75	290	2.6	4.4	60
1.5	305	5.9	6.9	85	289	5.4	6.6	82
2.1	299	8.8	9.7	90	290	8.7	9.7	89
3.1	289	12.3	13.2	93	287	12.7	13.6	93
3.6	284	14.2	15.1	94	284	14.4	15.3	94
4.5	278	17.4	18.5	94	279	17.7	18.7	95
5.8	275	22.8	24.0	95	275	23.0	24.3	95
6.0	274	23.6	24.9	95	274	23.7	25.0	95
7.6	270	29.6	31.3	95	271	29.8	31.5	94
9.5	267	36.3	38.3	95	267	36.2	38.5	94
10.6	263	38.9	41.0	95	264	38.6	41.0	94
12.3	258	39.6	41.5	95	261	39.0	41.4	94
14.1	258	34.4	35.8	96	261	34.0	35.6	95
16.6	263	21.7	23.1	94	265	21.9	23.2	94
18.5	271	11.5	13.6	84	272	11.9	14.4	83
20.5	270	6.6	9.9	67	271	5.4	10.7	51
24.0	245	1.7	9.9	17	239	2.1	9.3	23
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	191	0.8	1.7	45	177	2.5	3.0	81
0.15	217	1.6	4.4	38	185	4.9	6.3	79
0.3	225	1.8	4.5	41	189	5.1	6.4	79
0.6	242	2.1	4.4	47	197	4.8	6.1	78
0.7	276	3.8	6.1	63	205	4.3	5.4	79
0.9	260	2.7	4.6	60	218	4.0	5.5	71
1.5	280	5.0	6.1	83	266	4.5	5.9	76
2.1	286	8.1	8.9	91	284	7.0	8.0	87
3.1	290	12.0	13.0	93	291	10.5	11.4	92
3.6	289	13.3	14.3	93	292	11.8	12.8	92
4.5	286	15.1	16.0	94	290	12.9	14.1	92
5.8	280	18.0	19.2	94	283	14.2	15.7	91
6.0	279	18.8	20.1	93	282	14.8	16.2	91
7.6	273	23.4	25.1	93	275	18.6	20.3	91
9.5	269	29.8	32.2	92	270	24.9	27.1	92
10.6	264	33.3	35.8	93	267	27.5	30.0	92
12.3	261	34.4	36.7	94	264	28.8	31.1	92
14.1	262	29.1	30.9	94	266	23.7	25.4	93
16.6	268	17.2	18.7	92	270	11.5	13.7	84
18.5	277	8.4	11.6	72	288	2.5	8.3	30
20.5	284	2.6	8.1	32	104	1.6	6.4	25
24.0	255	2.3	8.4	27	097	2.2	7.1	31
26.5					038	1.9	6.8	28
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	173	2.6	3.3	79	165	2.1	2.9	73
0.15	178	5.3	6.7	79	174	4.7	6.3	73
0.3	180	5.5	6.9	79	177	5.1	6.9	74
0.6	186	5.3	6.9	77	181	5.2	7.3	71
0.7	194	4.5	6.7	68	188	5.4	7.5	72
0.9	200	4.4	6.3	70	187	4.4	7.1	62
1.5	255	3.6	6.0	59	210	2.8	6.9	41
2.1	288	5.4	7.3	73	251	2.2	7.1	31
3.1	300	8.4	10.0	84	280	2.6	7.9	33
3.6	302	9.3	10.9	85	282	2.6	8.1	32
4.5	298	9.8	11.5	85	277	2.2	7.8	28
5.8	290	9.4	11.4	82	265	1.5	7.3	21
6.0	288	9.4	11.6	81	260	1.4	7.3	19
7.6	274	10.8	13.3	81	215	0.9	7.0	13
9.5	262	13.5	15.9	85	150	1.4	7.5	19
10.6	257	14.3	16.5	87	125	2.5	8.0	32
12.3	252	13.9	16.6	84	104	4.4	8.8	50
14.1	248	10.6	14.4	74	084	6.9	10.9	63
16.6	226	1.4	9.1	15	076	14.0	15.8	89
18.5	099	6.2	8.6	72	088	16.9	17.5	97
20.5	091	7.0	8.2	86	089	15.5	16.0	97
24.0	084	8.5	9.3	91	089	16.6	17.0	97
26.5	081	9.8	10.8	91	086	20.6	20.9	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	169	2.0	2.6	75	158	1.7	2.5	67
0.15	179	4.6	6.1	76	167	4.1	6.0	69
0.3	182	5.0	6.6	75	169	4.5	6.5	69
0.6	187	5.1	7.2	70	172	4.6	7.1	65
0.7	186	4.8	7.1	68	178	4.5	7.2	62
0.9	191	4.8	7.3	65	173	4.4	7.3	60
1.5	195	3.6	7.1	51	171	3.8	7.4	51
2.1	198	2.9	7.0	42	166	3.2	7.1	45
3.1	195	2.3	6.7	35	151	2.9	6.9	43
3.6	187	2.1	6.8	32	142	3.0	6.9	43
4.5	154	1.9	6.6	29	126	3.0	6.8	44
5.8	117	2.4	6.6	36	106	3.5	6.9	51
6.0	114	2.6	6.6	39	103	3.6	6.9	52
7.6	097	4.2	7.2	59	094	4.9	7.6	64
9.5	091	7.4	9.0	81	092	7.5	9.0	83
10.6	088	9.5	10.8	88	090	9.2	10.5	88
12.3	080	12.6	13.9	91	081	11.6	13.1	89
14.1	075	16.4	18.0	91	073	14.9	16.5	90
16.6	078	23.9	24.9	96	078	21.6	22.3	96
18.5	085	22.5	22.9	98	086	20.8	21.2	98
20.5	088	20.7	21.0	98	090	20.1	20.6	97
24.0	089	22.9	23.2	99	090	23.2	23.7	98
26.5	088	29.1	29.5	99	088	27.6	28.6	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	159	1.3	2.1	63	100	0.2	1.4	12
0.15	171	3.1	5.1	62	014	0.3	4.1	07
0.3	174	3.4	5.5	61	012	0.3	4.3	07
0.6	179	3.7	6.0	61	011	0.4	4.4	08
0.7	182	3.6	6.2	58	068	0.3	4.4	07
0.9	181	3.5	6.2	56	356	0.5	4.5	10
1.5	183	2.9	6.3	46	320	0.8	4.8	16
2.1	187	2.3	6.2	37	291	1.2	5.2	24
3.1	190	2.1	6.2	34	264	2.4	5.9	41
3.6	186	2.0	6.2	33	259	3.1	6.2	49
4.5	178	1.9	6.0	32	259	4.1	6.9	59
5.8	159	1.3	5.8	23	260	5.5	8.0	68
6.0	155	1.3	5.8	22	259	5.8	8.3	69
7.6	137	1.6	5.9	27	256	7.7	10.4	74
9.5	121	2.6	6.7	39	253	9.8	12.3	80
10.6	111	3.1	7.1	44	252	10.6	13.2	80
12.3	089	4.7	8.7	54	248	10.8	14.2	76
14.1	075	6.7	10.5	64	245	8.9	12.9	68
16.6	085	12.6	13.8	91	207	2.1	8.2	25
18.5	092	12.9	13.4	97	107	3.1	6.1	51
20.5	090	13.6	14.0	97	094	5.5	7.1	78
24.0	090	17.7	18.1	98	092	9.6	10.5	91
26.5	089	20.3	20.9	97	086	10.6	11.9	89
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : KOLKATA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	360	0.5	0.8	66	349	0.5	0.7	76
0.15	351	2.5	3.8	66	345	2.9	3.8	78
0.3	353	2.7	4.0	68	344	3.2	4.1	79
0.6	354	2.9	4.2	69	341	3.4	4.3	80
0.7	356	3.0	4.2	72	338	3.5	4.4	80
0.9	353	2.8	4.2	66	335	3.7	4.6	80
1.5	338	2.8	4.8	59	320	4.8	5.9	81
2.1	309	3.4	5.6	60	304	6.4	7.6	84
3.1	287	5.7	7.5	75	291	9.4	10.6	88
3.6	282	7.0	8.8	79	287	11.0	12.2	90
4.5	277	9.0	10.6	85	282	13.6	14.8	92
5.8	276	11.9	13.5	88	277	17.6	19.0	93
6.0	275	12.5	14.1	89	276	18.4	19.8	93
7.6	270	17.2	19.0	91	271	23.9	25.5	94
9.5	264	22.9	24.8	92	268	30.5	32.4	94
10.6	261	25.4	27.5	92	263	33.9	36.1	94
12.3	256	26.7	29.4	91	258	36.0	38.2	94
14.1	255	23.0	25.1	92	259	31.6	33.3	95
16.6	264	10.7	13.0	82	265	18.3	19.8	93
18.5	283	3.1	7.4	42	274	9.5	11.5	83
20.5	199	0.6	5.7	10	277	3.8	7.6	50
24.0	091	2.3	6.5	36	277	3.5	8.4	41
26.5	044	1.6	7.1	23				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	286	1.1	1.9	59	294	1.6	2.5	63
0.15	295	2.4	4.4	54	297	3.1	4.9	63
0.3	296	2.5	4.5	55	296	3.2	5.0	63
0.6	299	2.8	4.8	58	294	3.6	5.3	68
0.7	301	3.5	4.9	71	294	3.6	5.1	71
0.9	300	3.6	5.3	68	294	4.1	5.7	71
1.5	297	5.2	6.7	77	294	5.8	7.0	82
2.1	290	7.2	8.6	84	290	7.6	8.9	85
3.1	285	10.3	11.6	88	285	10.7	11.9	90
3.6	284	12.3	13.6	90	283	12.4	13.7	90
4.5	281	15.8	17.1	92	281	15.9	17.3	92
5.8	277	21.7	23.1	94	279	21.2	22.8	93
6.0	277	23.2	24.6	94	278	22.4	24.0	93
7.6	275	31.8	33.6	94	276	29.6	31.7	93
9.5	273	41.2	43.6	94	274	38.1	41.0	93
10.6	271	45.8	48.4	95	273	42.3	45.4	93
12.3	269	47.3	49.7	95	271	43.5	46.7	93
14.1	269	42.0	44.3	95	272	39.3	41.5	94
16.6	271	30.0	31.6	95	272	27.8	29.8	93
18.5	274	20.9	23.4	89	276	19.4	21.2	91
20.5	276	16.6	21.7	77	276	14.6	17.6	83
24.0	276	16.9	22.1	76	272	12.9	19.4	66
26.5	273	13.6	22.2	61	262	10.8	24.4	44
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	294	2.4	3.2	75	300	2.6	3.7	72
0.15	297	4.6	6.0	76	302	4.6	6.3	73
0.3	298	4.6	6.0	76	303	4.7	6.4	73
0.6	296	5.0	6.4	78	299	5.1	6.7	76
0.7	295	5.6	6.7	84	298	4.8	6.1	77
0.9	295	5.5	6.8	82	296	5.6	7.0	80
1.5	293	6.7	7.7	86	290	6.6	7.6	87
2.1	292	8.3	9.3	89	288	7.8	8.6	90
3.1	286	11.0	12.1	91	287	10.1	11.0	91
3.6	285	12.4	13.5	92	286	11.2	12.3	91
4.5	282	15.0	16.2	92	285	12.9	14.0	92
5.8	280	18.6	20.0	93	285	14.9	16.2	92
6.0	279	19.4	20.9	93	285	15.1	16.5	92
7.6	277	24.1	26.1	92	282	18.2	20.2	90
9.5	275	30.5	33.3	91	278	23.4	26.2	89
10.6	273	34.2	37.4	91	276	27.0	30.1	89
12.3	271	36.5	39.6	92	272	29.8	33.0	90
14.1	272	33.1	35.4	94	272	26.6	29.0	92
16.6	273	22.4	24.3	92	275	16.1	18.3	88
18.5	278	14.4	17.2	83	277	7.5	11.6	65
20.5	280	10.2	13.7	74	281	2.8	8.9	32
24.0	281	6.8	12.0	57	264	3.6	8.6	42
26.5	284	6.4	11.3	56				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	308	1.6	3.1	51	350	0.7	2.7	27
0.15	316	3.0	5.8	51	351	1.5	5.4	28
0.3	316	3.0	5.9	52	351	1.5	5.5	28
0.6	310	3.4	6.1	55	336	1.7	5.6	31
0.7	311	3.5	5.9	60	338	1.6	5.8	27
0.9	303	3.9	6.2	63	325	2.0	5.8	35
1.5	294	5.5	6.8	80	308	3.0	6.5	46
2.1	291	7.5	8.4	89	305	4.2	7.4	57
3.1	293	9.9	10.8	91	302	5.7	8.5	66
3.6	293	10.9	11.9	91	301	6.0	8.8	68
4.5	292	11.8	12.9	91	300	6.1	8.9	68
5.8	291	12.2	13.4	91	290	5.6	8.6	65
6.0	290	12.3	13.6	90	288	5.5	8.6	64
7.6	284	14.3	16.2	88	277	6.1	9.6	63
9.5	276	17.8	20.3	87	264	6.5	10.3	63
10.6	269	20.0	22.7	88	257	6.0	10.7	56
12.3	265	21.2	23.6	90	249	5.1	10.6	48
14.1	264	18.4	20.6	89	233	2.6	10.1	25
16.6	260	7.9	11.8	67	096	4.0	9.3	43
18.5	226	1.4	8.8	16	095	9.4	11.1	84
20.5	106	2.1	7.6	28	092	11.4	12.2	93
24.0	090	3.1	7.2	42	092	12.7	13.3	95
26.5	070	3.4	6.7	50	087	14.6	15.0	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	098	0.6	2.4	26	092	0.8	2.3	33
0.15	101	1.1	5.2	21	090	1.5	5.1	30
0.3	101	1.1	5.3	21	090	1.5	5.2	30
0.6	101	1.0	5.6	18	097	1.6	5.5	30
0.7	093	1.3	5.7	22	087	1.1	5.2	21
0.9	106	0.9	6.1	14	102	1.8	5.9	30
1.5	120	0.3	6.9	04	110	1.9	6.6	29
2.1	301	0.3	7.2	04	110	1.9	6.9	28
3.1	327	0.5	7.4	06	099	2.0	6.8	30
3.6	011	0.5	7.2	07	096	2.1	6.7	31
4.5	055	0.8	6.8	11	100	2.3	6.3	37
5.8	086	1.3	6.4	21	102	2.5	6.1	41
6.0	093	1.3	6.4	21	104	2.6	6.1	42
7.6	099	1.9	6.5	28	101	2.7	6.1	44
9.5	097	3.6	7.2	49	100	4.0	7.0	57
10.6	098	4.9	8.0	60	100	5.0	7.7	64
12.3	094	6.3	9.4	67	093	6.2	9.2	67
14.1	089	8.8	11.6	75	087	8.2	11.0	74
16.6	086	14.6	15.8	92	090	13.6	14.8	92
18.5	090	17.0	17.9	95	092	15.1	15.8	95
20.5	091	17.4	18.0	96	091	16.5	17.1	97
24.0	094	19.6	20.1	98	094	19.3	20.2	96
26.5	091	23.6	24.3	97	093	21.9	22.3	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	037	0.5	2.1	22	321	0.4	1.1	40
0.15	028	1.1	5.0	22	326	1.6	3.8	44
0.3	027	1.1	5.0	23	326	1.7	3.9	43
0.6	030	1.1	5.4	20	321	2.0	4.0	51
0.7	053	1.4	5.4	26	324	2.0	3.9	52
0.9	015	1.0	5.8	16	316	2.4	4.2	57
1.5	349	1.2	6.5	18	313	3.3	4.9	67
2.1	339	1.5	6.8	22	312	3.9	5.8	67
3.1	335	1.4	6.6	22	306	4.5	6.6	69
3.6	333	1.3	6.4	21	301	4.9	6.8	71
4.5	314	1.1	6.1	18	291	6.5	8.2	79
5.8	279	2.2	6.5	34	281	9.4	11.1	84
6.0	273	2.6	6.6	39	279	10.0	11.7	86
7.6	259	4.3	7.6	57	271	14.8	16.5	89
9.5	250	5.4	8.5	63	265	20.0	22.0	91
10.6	244	5.8	9.2	62	263	22.8	24.6	93
12.3	236	5.4	9.9	54	261	23.6	25.5	92
14.1	225	3.6	9.4	38	259	20.3	22.1	92
16.6	115	3.4	8.1	42	258	9.6	12.5	77
18.5	102	6.4	8.5	75	267	2.1	7.9	26
20.5	094	8.8	9.9	89	271	0.3	7.4	03
24.0	095	11.2	11.8	95	116	1.5	8.3	17
26.5	097	13.2	13.7	96	169	0.5	8.8	06
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : LUCKNOW

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	303	0.6	0.9	67	292	0.9	1.3	69
0.15	308	2.4	3.7	64	296	2.6	3.9	66
0.3	309	2.4	3.8	64	296	2.6	4.0	65
0.6	309	2.7	4.0	68	301	3.1	4.3	71
0.7	313	2.6	3.9	67	300	3.2	4.1	77
0.9	309	3.0	4.2	72	303	3.5	4.8	74
1.5	310	3.8	5.0	76	306	4.8	6.1	78
2.1	307	4.7	6.1	78	302	6.2	7.5	83
3.1	300	6.3	7.8	81	295	8.5	9.8	87
3.6	296	7.6	8.9	85	291	10.0	11.3	89
4.5	290	10.2	11.6	88	286	13.2	14.4	91
5.8	284	14.6	16.0	91	282	18.2	19.5	93
6.0	283	15.5	17.0	91	281	19.4	20.8	93
7.6	277	21.5	23.4	92	276	26.7	28.4	94
9.5	273	29.4	31.7	92	273	35.6	37.6	95
10.6	271	32.9	35.3	93	270	40.2	42.4	95
12.3	268	35.5	38.0	93	268	41.9	43.9	95
14.1	267	31.6	33.7	94	267	38.3	39.7	96
16.6	270	20.1	22.0	91	271	26.6	27.9	95
18.5	272	11.4	14.5	79	274	18.4	20.2	91
20.5	274	6.9	12.0	58	279	14.7	17.4	84
24.0	273	5.6	12.1	46	282	14.2	18.8	75
26.5	271	7.4	13.2	56				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	117	2.7	3.3	79	146	3.2	3.8	83
0.15	119	4.1	4.9	82	148	4.8	5.5	87
0.3	114	3.9	4.8	80	148	4.6	5.5	83
0.6	098	3.5	4.7	74	143	3.2	4.8	68
0.7	090	3.4	4.7	71	136	2.8	4.7	59
0.9	078	3.2	4.7	69	132	2.1	4.6	45
1.5	052	3.4	5.4	62	066	1.4	5.1	28
2.1	032	3.1	5.9	52	009	2.1	5.5	38
3.1	349	2.4	6.0	40	327	3.3	6.4	52
3.6	322	2.8	6.2	46	309	4.1	7.0	59
4.5	296	4.2	7.2	58	294	5.7	8.3	68
5.8	284	6.3	9.1	69	286	8.0	10.5	77
6.0	284	6.8	9.5	72	285	8.5	10.9	78
7.6	277	10.0	12.5	79	281	11.7	14.2	82
9.5	269	13.6	15.8	86	273	16.0	18.8	85
10.6	262	15.0	17.4	86	266	17.2	19.8	86
12.3	254	16.2	19.0	85	261	16.6	19.3	86
14.1	250	14.2	17.2	82	257	14.6	18.2	80
16.6	249	6.2	10.8	57	263	6.4	10.9	59
18.5	279	2.7	7.0	39	276	3.7	7.8	48
20.5	271	1.3	6.7	19	263	3.6	7.0	51
24.0	101	3.4	8.9	38	233	0.9	9.4	09
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	170	3.7	4.1	90	174	4.6	4.9	94
0.15	168	5.4	5.9	91	172	6.4	6.8	95
0.3	172	5.0	5.7	88	176	6.0	6.4	93
0.6	178	3.7	4.8	78	185	4.3	5.2	83
0.7	175	3.3	4.5	74	184	3.7	4.9	76
0.9	176	2.5	4.3	58	195	2.9	4.5	64
1.5	114	1.1	4.4	26	163	0.6	4.1	14
2.1	044	2.5	5.3	48	055	2.0	4.9	41
3.1	015	3.9	6.5	60	040	4.0	6.0	66
3.6	358	3.5	6.6	54	032	4.3	6.4	66
4.5	323	3.8	6.9	55	009	3.0	6.4	47
5.8	296	5.5	8.7	63	300	3.9	7.1	54
6.0	293	6.0	9.0	66	296	4.2	7.5	56
7.6	279	9.2	11.8	77	278	6.9	10.0	69
9.5	272	13.8	16.4	84	266	11.4	14.5	79
10.6	265	15.6	18.3	86	261	13.4	16.7	80
12.3	261	17.0	19.7	86	253	15.3	18.5	83
14.1	261	15.8	19.0	83	255	12.8	16.1	79
16.6	265	7.9	11.6	68	255	4.0	10.6	38
18.5	269	3.7	7.2	52	082	1.5	7.2	20
20.5	262	2.2	7.2	30	087	1.6	6.3	26
24.0	105	3.0	7.3	41	096	4.7	7.5	63
26.5	139	1.8	8.0	22	085	4.9	8.7	56
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	179	4.0	5.3	76	234	3.2	5.6	58
0.15	178	5.1	6.9	73	238	4.7	7.7	61
0.3	182	4.6	6.7	68	246	4.9	7.8	63
0.6	204	2.9	5.5	52	262	5.5	7.9	70
0.7	222	2.2	5.2	43	261	5.0	7.4	67
0.9	251	2.2	5.1	43	275	6.4	8.2	78
1.5	311	3.1	5.3	57	287	7.6	9.0	84
2.1	337	3.5	5.7	61	292	7.8	9.6	82
3.1	013	3.8	6.3	60	291	6.5	9.4	69
3.6	020	4.1	6.7	62	291	5.7	9.0	63
4.5	019	4.1	7.1	57	290	4.7	8.2	57
5.8	348	3.3	6.9	47	290	4.0	7.2	55
6.0	343	3.3	7.0	47	291	3.9	7.2	54
7.6	314	3.1	7.1	44	317	1.7	5.8	29
9.5	272	3.4	7.9	43	074	3.5	6.7	52
10.6	251	3.8	8.3	45	085	6.5	8.4	77
12.3	213	4.0	9.4	42	089	12.0	13.2	91
14.1	162	4.2	11.0	38	089	18.7	19.9	94
16.6	107	8.3	11.6	72	090	25.0	25.7	97
18.5	095	10.3	11.2	92	088	20.8	21.3	97
20.5	098	8.1	9.0	91	094	15.0	15.5	97
24.0	086	12.2	12.9	94	091	17.4	17.9	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	252	3.3	4.8	68	271	3.5	4.7	73
0.15	256	4.9	7.0	69	272	5.1	6.9	74
0.3	262	5.4	7.3	73	275	5.8	7.4	78
0.6	271	6.6	8.0	83	282	7.1	8.2	86
0.7	270	7.0	8.3	84	283	6.9	8.0	86
0.9	279	7.9	8.9	88	285	8.3	9.2	90
1.5	286	9.8	10.6	92	288	9.9	10.7	93
2.1	286	10.7	11.5	93	288	10.6	11.4	93
3.1	281	10.0	10.9	91	285	9.6	10.5	92
3.6	279	9.1	10.3	89	284	8.6	9.8	88
4.5	278	7.4	9.1	81	282	7.1	8.8	80
5.8	281	4.9	7.7	64	278	4.5	7.3	62
6.0	283	4.4	7.4	59	279	4.0	7.0	57
7.6	013	0.7	6.4	10	040	0.6	6.4	09
9.5	083	6.8	8.8	78	088	6.1	8.2	74
10.6	088	10.7	11.9	90	088	10.2	11.2	91
12.3	088	17.9	18.7	96	087	16.9	17.6	96
14.1	083	26.1	26.7	98	084	24.2	25.0	97
16.6	087	33.2	33.7	98	085	31.1	31.6	98
18.5	088	23.8	24.3	98	089	23.1	23.4	98
20.5	092	19.8	20.0	99	093	19.6	20.4	96
24.0	090	22.4	22.9	98	092	21.5	21.9	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	246	1.6	3.3	48	098	0.9	3.2	28
0.15	250	2.4	5.3	45	107	1.5	5.0	30
0.3	259	2.6	5.5	46	095	1.6	5.2	30
0.6	284	3.1	5.7	54	065	1.9	5.5	36
0.7	285	3.5	6.1	57	063	2.8	5.8	48
0.9	294	3.8	6.3	60	051	2.5	6.0	42
1.5	304	4.8	7.3	65	040	3.5	6.9	51
2.1	304	4.9	7.7	63	037	3.8	7.1	53
3.1	296	4.2	7.1	60	039	2.4	6.3	37
3.6	290	3.7	6.7	54	047	1.4	5.8	24
4.5	277	2.7	6.0	45	095	0.7	5.3	14
5.8	262	1.3	5.6	24	129	1.1	5.4	20
6.0	261	1.0	5.5	18	127	1.0	5.4	19
7.6	079	1.6	5.4	30	129	1.3	5.8	23
9.5	091	5.2	6.9	75	136	2.2	6.7	33
10.6	091	8.0	9.1	88	135	3.0	7.4	40
12.3	090	12.9	13.9	93	129	5.1	9.8	52
14.1	088	18.2	19.2	95	120	7.1	11.8	61
16.6	090	22.9	23.4	98	108	9.7	12.0	81
18.5	089	17.2	17.6	98	099	8.2	9.3	88
20.5	097	15.2	15.7	97	098	9.6	10.4	92
24.0	094	17.7	18.2	97	092	10.8	12.1	89
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MACHILIPATNAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	087	3.0	4.1	73	093	3.2	3.7	86
0.15	090	4.2	5.8	73	095	4.6	5.4	86
0.3	085	4.4	5.9	75	090	4.8	5.4	88
0.6	070	4.6	6.0	76	076	4.8	5.5	88
0.7	070	4.9	6.1	80	069	4.5	5.2	86
0.9	060	4.8	6.3	77	065	4.8	5.7	85
1.5	049	5.0	6.8	74	052	4.5	5.8	77
2.1	048	4.3	6.5	67	050	3.6	5.5	65
3.1	052	2.7	5.7	47	042	2.0	5.4	37
3.6	054	1.9	5.4	35	020	1.4	5.5	25
4.5	039	1.2	5.4	23	322	1.7	5.9	28
5.8	354	1.1	6.3	17	290	3.1	7.2	43
6.0	343	1.0	6.4	16	289	3.4	7.4	46
7.6	294	2.2	7.3	30	275	6.5	10.1	64
9.5	254	5.3	8.8	60	268	11.0	14.2	77
10.6	239	7.2	10.4	70	259	13.5	16.6	81
12.3	219	9.4	12.9	73	247	15.7	19.0	82
14.1	216	8.9	13.1	68	245	14.9	17.9	83
16.6	187	3.1	8.1	38	247	7.2	11.1	65
18.5	101	3.0	7.2	42	208	0.8	7.0	11
20.5	100	4.0	6.3	64	100	0.7	5.4	13
24.0	101	6.2	11.5	54	086	2.7	8.1	33
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	287	3.5	4.0	88	290	4.1	4.6	90
0.15	291	5.0	5.7	89	293	6.0	6.7	90
0.3	296	4.4	5.1	87	295	5.5	6.1	89
0.6	319	2.3	3.5	65	302	3.7	4.6	81
0.7	343	1.6	3.1	51	308	2.9	4.0	74
0.9	036	1.4	3.2	46	319	1.9	3.5	55
1.5	086	4.4	5.2	84	081	2.5	4.3	58
2.1	087	5.9	7.0	85	089	4.8	6.2	76
3.1	075	3.3	5.8	56	075	3.6	6.6	54
3.6	059	2.2	5.7	38	055	2.0	6.0	34
4.5	038	1.6	6.0	27	007	1.6	6.1	26
5.8	341	1.5	6.9	22	323	2.6	7.2	36
6.0	330	1.7	7.2	23	316	2.7	7.4	37
7.6	294	4.0	9.3	43	294	5.2	10.0	52
9.5	271	7.3	11.4	64	271	8.6	12.9	67
10.6	260	8.8	12.7	70	261	9.9	13.8	72
12.3	248	9.3	14.1	65	258	9.9	14.6	68
14.1	245	7.3	13.7	53	263	7.8	13.9	56
16.6	240	1.8	9.8	18	275	2.5	9.4	27
18.5	153	0.5	6.9	08	284	1.6	7.4	21
20.5	220	1.0	7.6	13	265	3.6	8.0	45
24.0	097	3.6	10.4	34	103	2.7	10.4	26
26.5	104	4.3	10.8	40	100	3.8	12.9	30
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	288	4.3	4.7	90	288	4.4	4.9	90
0.15	290	6.4	7.0	92	291	6.5	7.1	92
0.3	292	6.1	6.6	91	293	6.3	6.9	91
0.6	299	4.6	5.5	85	301	5.0	5.7	86
0.7	298	3.9	4.6	83	299	4.4	5.2	83
0.9	313	2.9	4.1	72	312	3.4	4.5	75
1.5	038	1.8	3.8	49	017	2.2	3.7	59
2.1	081	4.5	5.7	79	060	3.5	4.8	73
3.1	085	7.2	8.4	85	083	6.7	7.6	89
3.6	083	5.9	7.7	77	085	6.8	7.8	87
4.5	067	3.0	6.2	48	085	4.3	6.1	70
5.8	023	2.1	6.9	30	057	1.6	5.7	28
6.0	014	2.1	7.1	29	050	1.5	6.0	24
7.6	304	3.6	9.0	41	305	1.6	7.7	21
9.5	274	7.7	11.9	64	268	5.5	10.5	52
10.6	266	9.2	13.3	69	258	7.5	11.6	65
12.3	261	9.7	14.1	69	246	8.9	12.8	69
14.1	261	8.6	13.6	63	247	7.3	11.7	62
16.6	261	1.9	8.9	22	154	1.3	8.5	15
18.5	265	0.5	7.0	07	096	2.9	7.1	42
20.5	272	2.8	7.7	36	136	0.6	7.5	08
24.0	108	3.4	10.8	32	104	5.5	10.8	51
26.5	110	5.9	13.9	42	098	10.1	14.0	72
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	290	3.9	4.7	83	261	3.1	4.1	75
0.15	293	6.1	7.0	87	264	5.3	6.9	77
0.3	295	6.1	7.0	87	267	5.7	7.3	79
0.6	302	5.4	6.4	84	274	6.8	8.2	82
0.7	298	4.9	5.9	82	271	6.7	8.1	82
0.9	309	4.2	5.5	76	279	7.9	9.3	85
1.5	338	2.5	4.7	53	282	8.5	9.9	86
2.1	014	2.4	5.1	46	281	8.1	9.7	84
3.1	069	3.4	6.5	53	280	7.2	9.7	74
3.6	078	4.1	7.0	59	280	6.6	9.6	69
4.5	077	4.1	7.1	58	277	5.3	9.0	59
5.8	057	2.8	6.7	41	268	3.7	7.5	50
6.0	057	2.7	6.8	40	268	3.3	7.2	46
7.6	062	1.6	6.9	24	091	0.1	5.9	02
9.5	161	0.7	6.7	10	091	4.7	7.2	65
10.6	172	1.2	7.0	17	093	7.5	9.4	80
12.3	155	3.4	8.4	41	094	14.3	15.6	91
14.1	131	6.6	11.2	58	096	23.0	24.1	95
16.6	107	11.5	13.3	86	097	27.6	28.5	97
18.5	100	9.3	10.8	86	095	18.5	19.5	95
20.5	100	6.4	8.9	71	101	13.8	14.8	93
24.0	097	11.1	12.7	87	097	16.2	17.1	94
26.5	097	15.6	17.0	92	099	22.1	23.0	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	270	3.4	4.0	84	279	3.5	4.0	87
0.15	274	6.3	7.2	87	284	6.1	6.8	90
0.3	277	7.0	7.8	89	287	6.9	7.6	92
0.6	284	8.6	9.4	92	292	8.6	9.2	94
0.7	282	8.8	9.4	93	290	8.3	9.0	92
0.9	288	10.0	10.7	93	294	9.7	10.3	94
1.5	290	10.6	11.2	94	296	10.1	10.7	95
2.1	289	10.3	10.9	94	294	9.8	10.4	94
3.1	287	9.3	10.1	93	290	8.9	9.7	92
3.6	286	8.5	9.5	90	290	8.2	9.1	90
4.5	286	6.6	8.2	80	289	6.5	7.8	83
5.8	280	3.8	6.9	55	287	3.6	6.0	59
6.0	278	3.2	6.6	48	287	3.1	5.9	53
7.6	082	1.1	6.1	18	066	0.8	5.3	14
9.5	090	6.2	8.2	76	093	5.8	7.6	75
10.6	093	10.3	11.5	89	096	10.4	11.4	91
12.3	094	19.6	20.4	96	095	19.6	20.5	96
14.1	093	31.0	31.6	98	094	30.0	30.9	97
16.6	096	33.7	34.5	98	096	30.8	31.5	98
18.5	095	22.4	23.1	97	093	20.2	21.0	96
20.5	098	18.5	19.3	95	099	18.7	19.2	97
24.0	100	17.6	18.7	94	100	19.5	20.0	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	283	2.9	3.7	79	272	2.4	3.5	69
0.15	288	4.9	6.1	81	277	3.9	5.4	72
0.3	292	5.2	6.4	82	281	3.7	5.3	70
0.6	300	5.7	6.8	83	291	3.0	4.9	61
0.7	299	5.5	6.8	82	273	2.4	4.7	51
0.9	304	5.9	7.1	83	304	2.0	4.5	44
1.5	304	5.1	6.6	78	033	1.0	4.7	21
2.1	299	4.2	6.1	69	076	2.0	5.5	37
3.1	288	3.6	6.0	60	076	1.7	5.6	30
3.6	286	3.3	5.8	58	073	1.0	5.3	19
4.5	285	2.6	5.7	45	083	0.9	5.2	17
5.8	333	0.4	5.0	07	088	1.9	5.1	36
6.0	027	0.2	4.8	05	089	2.1	5.2	40
7.6	093	3.2	5.6	57	097	3.2	5.7	56
9.5	098	7.1	8.1	88	106	4.0	6.5	61
10.6	098	10.3	11.0	94	111	5.2	8.1	65
12.3	097	16.6	17.5	95	113	8.8	11.7	76
14.1	099	24.0	24.8	96	113	12.6	15.3	83
16.6	098	22.2	22.9	97	103	11.6	13.3	87
18.5	094	15.6	16.2	96	100	8.9	10.3	87
20.5	102	15.0	15.6	96	102	8.9	10.4	86
24.0	097	15.9	16.8	95	098	11.7	13.6	85
26.5					096	15.3	16.9	91
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MANGALORE

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	278	2.3	3.4	69	288	2.7	3.4	79
0.15	286	3.6	5.1	70	294	3.9	4.9	80
0.3	293	3.1	4.8	64	304	3.2	4.5	72
0.6	325	1.6	4.0	40	355	1.6	3.6	46
0.7	359	1.1	3.6	31	043	1.4	3.3	42
0.9	043	1.4	3.9	36	064	2.3	3.8	60
1.5	082	3.5	5.2	68	090	5.1	5.9	87
2.1	087	4.9	6.5	74	090	6.1	7.0	87
3.1	085	3.7	6.1	61	084	3.7	5.6	66
3.6	083	3.2	5.8	56	078	3.1	5.5	57
4.5	082	3.4	6.0	56	077	2.8	5.9	47
5.8	082	3.8	6.9	55	074	1.7	6.5	27
6.0	083	3.9	7.0	55	073	1.5	6.6	23
7.6	085	3.2	7.3	44	290	1.4	7.9	18
9.5	147	1.8	7.1	25	260	5.5	10.5	52
10.6	176	3.5	7.9	45	244	7.7	12.4	62
12.3	172	6.5	10.8	61	234	9.7	14.6	66
14.1	166	6.3	11.2	56	240	9.5	14.1	67
16.6	115	4.9	8.6	57	245	1.9	9.3	20
18.5	103	5.0	7.6	65	102	2.8	7.4	38
20.5	104	4.6	7.8	59	112	2.0	7.2	28
24.0	098	9.1	12.7	72	099	4.1	10.3	39
26.5	099	12.0	14.1	85	099	4.0	12.9	31
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	023	2.0	2.5	81	008	2.4	2.7	87
0.15	026	3.5	4.3	82	010	3.9	4.5	86
0.3	030	3.7	4.5	84	014	4.1	4.7	86
0.6	037	3.9	4.6	85	023	3.9	4.6	84
0.7	050	3.9	4.7	83	028	3.9	4.8	82
0.9	050	3.9	4.6	83	042	3.5	4.4	78
1.5	069	3.4	4.7	73	075	3.7	5.0	75
2.1	076	2.7	4.8	56	080	3.4	5.3	64
3.1	077	2.7	5.6	48	081	2.4	5.3	45
3.6	078	3.2	5.9	54	080	2.6	5.6	46
4.5	077	4.0	6.4	62	078	2.9	6.3	46
5.8	079	4.7	8.0	59	078	3.3	7.7	43
6.0	077	4.8	8.3	57	079	3.3	7.8	42
7.6	068	3.4	8.7	39	062	2.4	9.1	27
9.5	149	1.2	8.7	14	172	1.2	9.6	12
10.6	180	3.1	10.1	31	179	2.7	10.7	25
12.3	181	4.6	12.4	37	174	4.0	12.5	32
14.1	180	3.4	13.0	26	155	4.1	13.5	30
16.6	112	3.2	10.2	31	111	2.7	9.6	28
18.5	124	1.4	8.4	17	157	0.8	8.9	09
20.5	236	1.1	11.8	09	192	0.4	11.5	03
24.0	094	3.8	14.1	27	091	1.7	16.1	10
26.5	088	6.2	15.5	40	092	2.0	19.8	10
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	348	1.8	2.4	76	318	2.2	2.8	78
0.15	351	3.1	4.1	77	320	3.5	4.6	76
0.3	355	3.1	4.1	76	323	3.5	4.7	75
0.6	006	2.8	4.0	71	327	3.1	4.5	69
0.7	016	2.9	4.0	71	334	2.6	4.6	57
0.9	036	2.6	4.0	63	334	2.3	4.3	54
1.5	075	4.3	5.5	78	039	1.9	4.5	42
2.1	078	6.1	7.3	84	070	4.1	5.6	74
3.1	078	5.5	7.0	78	076	6.5	7.5	86
3.6	081	4.6	6.5	71	074	6.0	7.3	82
4.5	082	4.2	6.3	67	075	4.4	6.3	69
5.8	076	4.3	7.2	59	076	3.4	6.5	52
6.0	075	4.2	7.4	56	076	3.4	6.6	51
7.6	061	2.3	8.3	28	072	1.7	7.5	23
9.5	244	1.0	9.9	10	221	1.0	8.2	12
10.6	236	2.6	10.6	25	208	3.0	9.0	33
12.3	220	3.5	12.2	28	192	4.4	10.9	40
14.1	219	2.7	12.6	22	177	3.6	11.3	31
16.6	110	3.2	9.8	32	107	5.4	10.0	54
18.5	108	2.6	8.7	29	146	1.5	8.1	19
20.5	271	0.4	11.6	03	270	1.4	10.5	13
24.0	093	1.3	13.9	09	091	5.8	16.3	35
26.5	159	1.2	17.1	07	107	8.3	18.9	44
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	290	3.6	4.2	85	273	6.3	6.8	93
0.15	294	5.4	6.3	86	275	8.9	9.4	94
0.3	295	5.7	6.6	86	276	9.6	10.2	94
0.6	297	5.8	6.8	85	279	10.8	11.4	95
0.7	295	6.2	7.1	87	280	12.0	12.6	95
0.9	297	5.7	6.7	84	282	12.2	12.8	95
1.5	299	4.3	6.0	72	287	12.7	13.4	95
2.1	320	2.4	5.7	42	287	11.8	12.6	94
3.1	039	2.1	7.1	30	283	10.0	11.2	89
3.6	048	2.3	7.6	31	281	9.4	10.7	87
4.5	034	1.8	7.3	25	279	8.4	10.1	83
5.8	343	0.8	6.6	12	274	6.3	8.7	73
6.0	344	0.8	6.7	12	273	5.9	8.4	70
7.6	029	0.1	6.5	01	253	1.2	7.2	17
9.5	115	1.1	6.2	17	088	6.2	9.2	67
10.6	117	2.3	6.9	33	085	10.1	12.5	80
12.3	111	5.8	9.7	60	086	18.3	19.9	92
14.1	105	10.7	13.9	77	086	29.0	30.3	96
16.6	097	12.9	14.9	86	095	27.3	28.4	96
18.5	094	5.8	10.0	58	094	14.4	16.1	89
20.5	089	3.2	10.2	31	094	10.7	13.4	80
24.0	095	8.0	14.7	54	099	14.5	18.0	81
26.5	094	12.8	18.3	70	097	18.8	23.7	79
31.0					100	31.4	33.2	95
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	280	6.2	6.7	92	287	5.4	6.0	91
0.15	282	8.6	9.2	93	290	7.9	8.4	94
0.3	283	9.5	10.1	94	291	8.5	9.0	94
0.6	285	10.9	11.5	94	293	9.6	10.1	94
0.7	284	12.8	13.4	95	294	10.3	10.9	95
0.9	289	12.4	13.1	95	295	10.9	11.5	95
1.5	293	13.6	14.2	96	298	11.7	12.1	96
2.1	293	13.1	13.7	96	296	11.0	11.5	96
3.1	289	10.5	11.2	94	290	9.2	9.8	93
3.6	287	9.1	10.0	92	288	8.2	9.0	91
4.5	284	7.0	8.3	84	285	6.4	7.8	83
5.8	273	4.6	7.3	63	281	3.8	6.5	59
6.0	272	3.9	7.1	55	279	3.2	6.3	51
7.6	126	1.2	6.8	18	099	2.1	6.5	32
9.5	094	9.2	10.9	84	097	8.7	10.1	86
10.6	091	13.6	15.1	90	098	13.5	14.7	92
12.3	088	22.9	24.2	94	093	23.4	24.4	96
14.1	089	34.7	35.4	98	091	34.6	35.2	98
16.6	096	28.7	29.5	97	096	24.7	25.8	96
18.5	095	16.6	17.5	95	096	14.7	15.6	94
20.5	092	16.5	17.4	95	094	14.0	15.2	92
24.0	097	22.5	23.3	96	099	19.1	20.2	95
26.5	096	28.1	29.4	96	099	25.2	26.1	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	297	4.5	4.9	90	289	2.8	3.5	78
0.15	299	6.6	7.1	93	290	4.1	5.4	76
0.3	300	7.0	7.5	93	290	4.3	5.7	76
0.6	301	7.4	7.9	93	292	4.3	5.9	73
0.7	302	7.8	8.4	92	285	4.9	6.7	74
0.9	302	7.9	8.5	94	293	4.3	6.1	70
1.5	300	7.8	8.3	93	291	3.7	6.1	61
2.1	296	7.2	7.8	92	291	3.2	6.2	52
3.1	291	6.4	7.4	87	291	3.0	6.2	48
3.6	289	6.0	7.2	83	294	2.5	6.1	40
4.5	290	4.3	6.4	67	298	1.3	5.8	22
5.8	309	1.4	5.4	25	062	0.6	5.3	12
6.0	320	1.0	5.2	18	072	0.8	5.2	16
7.6	091	3.3	6.2	53	090	2.6	5.6	47
9.5	101	8.2	9.4	88	104	5.4	7.2	75
10.6	103	12.2	13.1	93	105	8.2	9.8	84
12.3	097	19.5	20.5	95	101	12.3	14.0	88
14.1	096	27.2	28.2	97	104	16.9	18.9	89
16.6	099	18.7	19.7	95	100	11.1	13.0	85
18.5	094	11.4	12.6	90	101	6.3	9.3	67
20.5	096	12.0	13.9	86	099	7.8	11.0	71
24.0	098	17.2	19.0	91	100	12.1	15.5	78
26.5	096	22.4	23.8	94	104	14.2	19.1	74
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MINICOY

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	319	1.1	2.5	45	034	1.4	2.4	59
0.15	327	1.9	4.3	45	035	2.6	4.1	62
0.3	332	1.9	4.4	43	038	2.8	4.3	65
0.6	342	1.9	4.6	40	044	3.1	4.6	67
0.7	355	2.1	4.9	43	052	2.7	4.6	59
0.9	354	1.7	4.9	35	056	3.0	4.7	65
1.5	014	1.2	4.9	25	071	2.8	4.8	58
2.1	006	0.9	5.0	18	078	2.4	4.9	48
3.1	344	0.9	5.4	16	081	3.1	5.4	57
3.6	356	0.7	5.6	12	082	3.6	5.8	63
4.5	064	1.4	5.8	23	085	4.6	6.5	71
5.8	078	3.0	6.4	47	087	5.4	7.5	72
6.0	078	3.3	6.4	51	087	5.5	7.7	71
7.6	085	4.3	7.0	61	086	4.6	7.9	59
9.5	106	4.5	7.4	60	131	3.2	8.2	39
10.6	120	5.6	8.7	64	157	4.5	9.3	48
12.3	129	8.0	11.9	67	171	5.8	11.6	50
14.1	131	6.9	12.0	57	191	4.8	12.3	39
16.6	105	6.4	9.2	70	115	2.7	9.3	29
18.5	107	4.4	8.4	53	113	3.2	8.2	39
20.5	105	4.0	10.2	39	146	1.3	9.9	13
24.0	100	11.2	16.4	68	093	4.7	14.7	32
26.5	108	15.3	22.2	69	092	7.9	16.6	47
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	042	0.6	0.7	86	044	1.2	1.4	85
0.15	033	1.8	2.7	67	038	2.6	3.6	71
0.3	035	1.8	2.7	66	040	2.6	3.6	71
0.6	061	1.5	2.5	62	066	2.3	3.4	68
0.7	068	1.5	2.5	60	080	1.7	3.1	55
0.9	074	1.3	2.4	54	087	1.5	2.9	50
1.5	164	0.7	2.6	25	213	2.0	3.5	56
2.1	203	2.5	3.8	67	222	5.0	5.8	86
3.1	215	4.3	5.8	73	226	7.6	8.5	89
3.6	227	4.6	6.7	69	232	8.1	9.3	87
4.5	253	9.5	11.3	84	249	11.7	12.9	90
5.8	263	19.1	20.3	94	260	19.5	20.5	95
6.0	264	20.2	21.3	94	262	20.3	21.4	95
7.6	269	28.2	29.7	95	267	26.8	28.2	95
9.5	268	40.3	42.4	95	267	38.1	40.3	94
10.6	268	45.8	48.1	95	266	44.1	46.6	95
12.3	263	48.5	50.6	96	267	47.0	49.1	96
14.1	262	43.8	45.5	96	267	42.6	44.2	96
16.6	265	29.9	31.0	96	269	24.5	26.1	94
18.5	266	18.5	19.7	94				
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	046	2.0	2.2	89	047	2.0	2.4	84
0.15	045	3.6	4.5	79	048	3.4	4.7	74
0.3	046	3.6	4.5	79	049	3.5	4.7	74
0.6	066	3.3	4.3	75	067	3.5	4.8	72
0.7	077	2.9	4.2	69	074	2.5	4.1	60
0.9	083	2.1	3.7	56	080	2.3	4.2	56
1.5	222	2.6	4.3	61	216	2.5	4.6	53
2.1	229	6.7	7.4	90	228	6.4	7.5	85
3.1	233	10.0	10.9	92	235	9.6	10.6	90
3.6	237	10.7	11.8	91	240	9.9	11.0	90
4.5	248	12.7	13.8	92	248	9.7	11.3	86
5.8	259	17.7	18.9	93	257	11.5	13.3	86
6.0	260	18.5	19.8	94	258	11.9	13.7	87
7.6	269	22.3	24.0	93	270	14.7	16.7	88
9.5	269	29.9	32.2	93	271	22.0	24.4	90
10.6	267	36.2	38.7	93	268	27.7	29.8	93
12.3	265	40.7	42.7	95	268	32.2	34.5	93
14.1	266	36.4	38.0	95	269	29.4	30.7	96
16.6	268	23.9	25.3	94	273	17.8	19.2	93
18.5	272	12.3	14.2	86	264	7.5	10.8	69
20.5	265	4.3	9.4	45	346	0.8	6.9	12
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	044	1.2	1.7	66	050	1.2	1.9	64
0.15	044	1.7	3.7	47	053	1.9	3.7	51
0.3	045	1.7	3.7	46	056	1.9	3.7	51
0.6	083	1.7	3.6	45	098	1.5	3.5	43
0.7	092	1.9	3.8	49	111	1.4	3.5	41
0.9	120	1.2	3.4	36	158	1.2	3.5	35
1.5	213	2.6	4.1	62	217	3.3	4.6	71
2.1	224	4.8	5.8	83	219	4.9	6.0	81
3.1	230	6.0	7.1	83	220	5.3	6.5	82
3.6	233	5.6	7.0	80	222	5.1	6.4	79
4.5	243	5.8	7.6	77	230	4.9	6.5	75
5.8	251	7.9	9.8	81	241	5.6	7.5	75
6.0	252	8.4	10.2	82	243	5.6	7.5	74
7.6	260	11.7	13.5	86	254	6.6	8.6	77
9.5	262	18.2	20.1	90	265	8.1	10.4	78
10.6	263	22.4	24.1	93	267	8.8	11.4	77
12.3	262	24.5	26.2	94	275	9.7	12.6	77
14.1	266	23.1	24.6	94	289	8.9	13.2	67
16.6	268	11.4	14.1	81	353	3.8	9.7	39
18.5	249	2.4	7.4	33	080	6.7	9.3	72
20.5	071	2.7	5.6	49	077	10.6	11.7	90
24.0	079	5.3	6.8	78	088	12.4	12.8	96
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	051	1.3	1.9	68	044	0.7	1.3	53
0.15	054	1.9	3.6	53	037	1.2	3.0	39
0.3	057	1.9	3.6	51	040	1.1	3.0	38
0.6	114	1.2	3.4	35	107	0.7	3.0	24
0.7	154	1.0	3.3	29	138	0.6	3.1	18
0.9	193	1.7	3.7	44	174	0.8	3.1	24
1.5	223	4.2	5.4	79	216	2.2	4.0	55
2.1	222	5.3	6.3	84	213	3.4	4.6	74
3.1	223	5.0	6.2	80	211	3.2	4.8	68
3.6	224	4.2	5.7	73	207	2.7	4.6	58
4.5	230	3.4	5.7	59	200	1.9	4.8	40
5.8	238	2.4	5.8	41	183	1.0	5.0	19
6.0	242	2.2	5.8	38	180	0.9	4.9	18
7.6	285	1.3	5.7	22	071	0.5	5.0	11
9.5	352	2.3	6.7	34	032	2.5	6.5	38
10.6	008	3.2	8.3	39	029	3.7	7.7	47
12.3	027	5.0	10.6	47	035	5.3	9.9	53
14.1	040	8.3	13.0	64	048	8.1	11.9	68
16.6	057	12.2	13.9	88	069	11.9	13.2	89
18.5	080	14.9	15.7	95	082	13.7	14.4	95
20.5	082	16.1	17.0	95	087	14.8	15.1	98
24.0	089	18.8	19.3	97	086	18.5	18.8	98
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	047	0.7	1.2	61	047	0.6	0.7	86
0.15	044	1.3	3.0	44	032	1.5	2.5	60
0.3	045	1.3	3.0	44	035	1.5	2.5	59
0.6	099	1.0	2.8	38	066	1.3	2.5	53
0.7	118	0.9	2.7	34	065	1.3	2.5	54
0.9	155	0.8	2.8	29	079	1.0	2.4	41
1.5	214	2.3	3.7	62	187	1.0	2.8	35
2.1	217	3.7	4.6	79	208	2.8	3.9	72
3.1	222	4.2	5.4	78	220	4.1	5.2	78
3.6	224	3.9	5.4	73	230	4.5	5.7	78
4.5	234	4.0	5.7	70	250	6.3	7.6	82
5.8	248	4.4	6.3	69	256	10.8	11.8	92
6.0	249	4.4	6.3	69	257	11.5	12.4	92
7.6	260	4.7	6.8	68	263	15.7	16.8	93
9.5	272	5.5	8.7	63	264	20.2	21.4	94
10.6	276	6.2	10.0	62	265	22.4	23.9	94
12.3	286	6.5	11.5	56	267	23.0	24.5	94
14.1	304	5.2	10.8	48	269	21.8	23.4	93
16.6	023	1.3	8.1	16	264	12.8	14.8	87
18.5	115	3.9	7.1	55	248	4.5	7.4	60
20.5	084	7.4	8.7	84	164	1.0	5.2	19
24.0	090	10.5	10.9	96	095	4.2	6.1	69
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MOHANBARI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	043	0.3	0.3	85	045	0.3	0.4	87
0.15	043	1.8	2.4	76	042	1.8	2.3	77
0.3	045	1.8	2.4	76	044	1.8	2.3	77
0.6	053	1.9	2.5	76	048	1.7	2.4	72
0.7	054	1.8	2.4	74	051	1.9	2.4	76
0.9	055	1.8	2.5	72	049	1.7	2.6	67
1.5	129	0.8	2.4	32	107	0.7	2.4	30
2.1	192	2.3	3.4	67	190	2.1	3.4	63
3.1	211	3.3	4.9	67	210	2.8	5.0	57
3.6	227	3.2	5.4	59	230	2.9	5.7	52
4.5	253	7.0	8.9	78	259	8.0	10.2	78
5.8	262	15.0	16.3	92	267	17.3	18.6	93
6.0	263	16.2	17.4	93	267	18.9	20.1	94
7.6	268	23.3	24.7	94	271	27.6	29.1	95
9.5	267	32.8	34.9	94	270	39.1	41.0	95
10.6	265	37.3	39.5	94	268	44.9	46.8	96
12.3	264	40.3	42.7	94	265	47.2	48.7	97
14.1	267	36.7	38.4	95	264	43.7	44.8	97
16.6	269	23.8	25.2	94	267	29.7	30.6	97
18.5	271	11.3	13.4	84	269	16.7	17.5	95
20.5					265	8.5	9.7	88
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	315	3.2	3.5	92	316	3.7	4.0	93
0.15	319	5.0	5.6	89	319	6.0	6.5	93
0.3	318	4.6	5.4	84	318	5.8	6.4	89
0.6	317	2.5	4.2	60	315	3.9	5.2	75
0.7	330	2.2	3.8	57	318	3.6	4.8	75
0.9	314	1.1	3.7	30	307	2.3	4.5	52
1.5	174	0.8	4.3	19	248	1.2	4.7	26
2.1	194	1.6	5.4	29	222	2.4	6.0	40
3.1	267	3.2	6.6	49	252	3.8	7.6	50
3.6	272	5.1	7.9	65	269	5.4	8.5	64
4.5	273	8.2	10.5	78	274	9.0	11.1	80
5.8	272	12.5	14.5	86	274	13.1	15.2	86
6.0	271	13.3	15.2	87	274	14.0	16.1	87
7.6	268	18.6	20.6	90	272	18.9	21.2	89
9.5	264	24.2	26.6	91	267	24.5	27.1	90
10.6	261	25.9	28.4	91	263	26.1	28.6	91
12.3	259	26.6	29.0	92	261	26.4	28.9	91
14.1	259	24.3	26.6	91	262	23.9	26.1	92
16.6	263	15.3	17.2	89	263	14.8	16.6	89
18.5	261	7.7	10.3	75	268	8.1	10.8	75
20.5	267	3.3	7.6	43	264	4.5	8.4	53
24.0	264	3.0	7.8	38	225	2.4	8.1	30
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	312	4.0	4.3	93	304	4.0	4.3	92
0.15	317	6.5	7.0	93	307	6.5	7.1	91
0.3	317	6.6	7.1	92	308	6.6	7.3	91
0.6	316	5.2	6.2	84	312	5.6	6.5	87
0.7	320	4.6	5.7	82	320	5.6	6.2	90
0.9	317	3.7	5.2	71	318	4.6	5.7	80
1.5	302	2.1	4.8	43	320	3.2	5.2	61
2.1	246	2.0	5.5	37	286	2.3	5.7	40
3.1	218	3.1	6.5	47	211	2.9	6.3	46
3.6	235	3.1	6.8	46	203	3.1	6.4	49
4.5	267	4.7	8.1	59	234	2.3	6.2	36
5.8	273	8.6	11.2	77	275	4.4	8.0	55
6.0	273	9.4	11.9	79	275	5.0	8.5	59
7.6	273	13.9	16.3	85	271	9.6	12.6	76
9.5	269	19.9	22.7	88	266	15.1	18.3	82
10.6	265	22.5	25.4	88	261	17.7	21.1	83
12.3	262	23.9	26.6	90	258	19.3	22.4	86
14.1	262	21.6	23.8	91	258	16.7	19.4	86
16.6	262	12.3	14.7	84	257	6.5	10.8	60
18.5	271	5.7	9.2	62	069	0.6	7.1	08
20.5	276	2.5	7.3	34	085	2.1	6.0	35
24.0	265	0.7	7.9	09	089	3.1	7.2	42
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	286	3.8	4.4	86	252	3.5	4.3	81
0.15	285	5.8	6.7	87	252	6.0	7.3	83
0.3	286	6.0	7.0	87	251	6.5	7.9	83
0.6	288	5.4	6.6	83	248	7.0	8.4	82
0.7	293	5.1	6.3	81	261	6.8	8.3	81
0.9	295	4.6	6.0	77	249	7.1	8.7	82
1.5	313	3.9	5.8	66	248	6.1	8.4	72
2.1	316	3.2	5.9	53	248	4.7	7.8	60
3.1	278	1.3	5.8	22	263	2.9	7.7	38
3.6	234	0.8	5.8	14	274	2.2	7.7	28
4.5	009	0.1	5.4	01	292	1.2	7.3	16
5.8	358	1.9	6.4	30	159	0.1	6.3	01
6.0	352	2.1	6.8	30	142	0.3	6.2	04
7.6	306	2.9	8.4	34	099	1.6	6.0	27
9.5	269	5.2	9.9	53	088	4.4	7.2	61
10.6	259	6.1	10.6	57	089	6.4	8.9	71
12.3	244	6.6	11.4	58	089	10.3	12.6	82
14.1	221	4.4	10.8	41	091	16.0	18.3	88
16.6	110	5.5	10.1	55	090	22.6	23.7	95
18.5	091	8.8	10.3	85	088	20.8	21.4	97
20.5	092	8.2	9.4	87	088	15.5	16.0	97
24.0	088	10.1	10.7	94	085	17.4	17.8	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	254	3.9	4.3	89	266	3.7	4.0	92
0.15	253	7.5	8.2	91	266	7.1	7.7	92
0.3	253	8.4	9.1	92	265	7.9	8.5	93
0.6	253	9.5	10.3	93	263	8.7	9.4	93
0.7	260	10.0	10.6	94	270	8.6	9.2	94
0.9	255	10.2	10.9	93	263	9.2	9.9	93
1.5	254	10.2	11.0	93	261	9.2	9.8	94
2.1	252	9.4	10.2	92	259	8.5	9.2	93
3.1	262	8.1	9.4	86	267	7.5	8.6	87
3.6	268	7.3	8.9	82	274	6.8	8.3	81
4.5	274	5.1	7.5	67	281	4.8	7.0	69
5.8	272	1.9	5.8	32	291	2.0	5.5	36
6.0	274	1.3	5.6	23	300	1.5	5.3	28
7.6	089	2.6	5.6	47	066	2.5	5.3	48
9.5	081	8.1	9.1	89	080	7.5	8.6	88
10.6	082	11.8	12.6	94	082	11.1	11.8	94
12.3	084	19.2	20.0	96	085	17.9	18.6	96
14.1	084	26.8	27.8	96	085	25.5	26.4	96
16.6	084	32.1	33.4	96	085	29.4	30.1	98
18.5	085	26.8	27.5	97	087	24.8	25.4	98
20.5	088	21.9	22.6	97	091	21.6	22.1	97
24.0	089	23.4	23.9	98	089	23.7	24.3	98
26.5	088	27.7	28.3	98				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	285	2.8	3.3	84	308	2.5	3.2	77
0.15	288	5.0	6.0	82	316	4.4	5.7	77
0.3	287	5.3	6.4	82	319	4.4	5.8	75
0.6	283	5.0	6.4	78	329	3.1	5.1	61
0.7	287	5.3	6.6	80	349	2.5	4.9	52
0.9	280	4.4	6.0	74	358	2.2	4.6	49
1.5	269	3.2	5.6	57	051	2.5	4.8	52
2.1	258	2.4	5.4	43	069	3.2	5.7	55
3.1	262	1.9	5.5	35	071	2.9	6.0	49
3.6	259	1.6	5.3	31	062	2.3	5.7	40
4.5	250	1.3	5.0	26	042	1.5	5.4	28
5.8	212	0.2	4.8	04	004	1.3	5.8	22
6.0	142	0.1	4.9	03	360	1.3	5.9	21
7.6	083	2.2	5.2	43	307	1.6	6.8	24
9.5	087	5.1	6.8	75	251	2.8	7.7	37
10.6	087	7.3	8.7	84	230	3.7	8.6	43
12.3	091	11.3	12.8	89	206	5.2	10.7	49
14.1	094	16.4	17.8	92	177	5.4	11.6	46
16.6	089	19.0	19.8	96	115	6.1	10.0	61
18.5	089	16.6	17.1	97	092	6.6	8.2	80
20.5	092	14.9	15.4	96	095	8.2	8.9	92
24.0	087	17.3	17.7	97	090	11.5	12.0	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : MUMBAI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	321	2.4	3.0	80	318	2.6	2.9	87
0.15	327	4.3	5.4	81	325	4.4	5.1	86
0.3	332	4.1	5.4	76	329	4.1	5.0	82
0.6	352	2.7	4.5	59	346	2.4	4.0	60
0.7	007	2.7	4.1	65	012	2.4	4.0	60
0.9	027	2.2	4.2	53	029	1.7	3.8	45
1.5	075	2.9	4.6	63	083	2.2	4.5	50
2.1	084	3.3	5.5	61	096	2.3	5.2	44
3.1	074	2.2	5.7	39	316	0.5	5.6	08
3.6	059	1.5	5.7	26	280	1.8	6.1	30
4.5	346	1.0	6.3	16	273	4.2	7.5	55
5.8	293	3.0	7.8	38	267	7.6	10.4	73
6.0	291	3.4	8.0	42	266	8.3	11.0	75
7.6	275	6.8	10.5	64	264	12.8	15.1	85
9.5	261	11.2	14.0	80	258	18.7	21.3	88
10.6	252	13.7	16.4	83	255	21.7	24.5	88
12.3	241	15.8	18.6	85	251	23.8	27.0	88
14.1	241	14.0	16.5	85	252	22.2	24.5	91
16.6	246	4.6	9.4	49	258	11.7	14.1	83
18.5	111	1.8	6.3	29	259	4.2	8.3	50
20.5	090	2.5	5.9	42	273	2.0	7.1	28
24.0	104	4.5	6.6	68	247	1.2	7.1	17
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	088	0.4	1.6	26	301	0.2	2.0	11
0.15	094	0.8	3.4	25	263	0.4	4.0	09
0.3								
0.6	097	0.7	3.4	20	254	0.6	4.1	13
0.7	078	0.5	3.1	16	259	0.7	4.1	16
0.9	179	0.2	3.3	05	257	1.0	4.0	25
1.5	272	1.9	4.1	46	261	2.5	4.5	54
2.1	280	4.1	5.9	69	266	4.4	6.1	71
3.1	280	7.5	9.1	82	273	7.8	9.4	83
3.6	279	9.2	10.8	85	276	9.7	11.2	86
4.5	277	12.4	13.9	90	276	13.0	14.5	89
5.8	274	17.0	18.4	92	275	17.5	19.0	92
6.0	274	17.7	19.1	93	275	18.1	19.7	92
7.6	272	23.4	25.1	93	274	23.6	25.5	92
9.5	269	29.4	31.2	94	271	29.2	31.6	92
10.6	265	31.5	33.6	94	268	31.3	34.1	92
12.3	261	32.2	34.1	94	265	31.3	33.9	92
14.1	260	29.3	30.9	95	267	27.9	29.9	93
16.6	264	17.9	19.3	93	266	18.1	19.7	92
18.5	270	9.2	11.6	79	270	10.3	11.8	88
20.5	272	4.6	8.3	56	273	6.3	9.4	67
24.0	250	2.8	7.3	38	247	3.2	8.0	40
26.5	256	4.6	9.0	51	258	6.9	9.5	73
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	294	0.6	2.2	26	286	1.2	2.5	48
0.15	284	1.4	4.4	31	281	2.5	4.7	52
0.3								
0.6	283	1.5	4.7	33	281	2.6	4.9	53
0.7	287	1.3	4.4	30	275	2.0	4.6	44
0.9	273	1.8	4.4	40	278	2.8	4.8	58
1.5	269	2.7	4.7	57	279	3.2	4.7	67
2.1	269	3.8	5.3	71	279	3.7	5.0	74
3.1	274	6.2	7.6	81	282	4.6	5.8	80
3.6	277	7.6	9.1	83	284	5.5	6.6	82
4.5	280	10.0	11.5	86	286	7.2	8.5	84
5.8	278	13.3	14.9	89	283	9.2	10.9	85
6.0	278	14.0	15.6	89	283	9.5	11.3	84
7.6	275	18.1	19.9	91	275	13.6	15.7	87
9.5	272	23.9	26.4	91	270	19.8	22.4	88
10.6	269	26.4	28.9	91	266	22.5	25.5	88
12.3	265	28.0	30.4	92	263	23.7	26.8	88
14.1	266	24.8	26.8	92	262	21.0	23.0	91
16.6	268	14.8	16.4	90	265	9.6	12.5	77
18.5	277	6.2	9.1	67	291	1.5	7.5	20
20.5	278	2.4	6.7	36	055	1.2	5.9	20
24.0	243	2.1	7.8	27	246	0.2	5.9	03
26.5	262	3.8	9.1	42	253	1.6	7.5	21
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	1.5	3.0	50	279	1.9	3.6	55
0.15	302	3.1	5.8	54	278	3.9	6.5	60
0.3								
0.6	302	3.2	5.9	55	279	4.2	6.8	61
0.7	294	3.2	5.7	56	278	4.0	6.5	61
0.9	303	3.2	5.6	57	282	4.3	6.6	65
1.5	303	3.5	5.4	65	291	4.4	6.7	67
2.1	302	3.8	5.5	70	299	4.1	6.6	62
3.1	304	4.4	6.0	74	312	3.6	6.6	55
3.6	304	4.6	6.3	73	318	3.5	6.7	53
4.5	305	5.2	7.1	74	321	3.2	6.5	50
5.8	307	6.0	8.2	73	318	2.5	5.9	43
6.0	306	6.1	8.4	73	318	2.3	5.9	39
7.6	289	7.5	10.5	71	347	1.1	6.1	18
9.5	269	10.0	13.0	76	078	2.4	6.7	35
10.6	260	11.0	14.2	77	090	4.1	7.9	52
12.3	251	10.8	14.3	76	094	7.4	10.6	69
14.1	240	7.6	12.2	62	092	11.8	14.5	82
16.6	136	3.5	9.4	37	085	18.6	19.7	94
18.5	091	7.5	9.7	77	089	18.7	19.3	97
20.5	093	7.6	8.9	86	090	14.9	15.3	97
24.0	088	8.0	9.1	87	085	17.6	18.0	98
26.5	084	8.6	10.4	83	084	20.9	21.3	98
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	267	2.3	3.1	75	275	2.4	3.1	78
0.15	267	5.3	6.7	80	276	5.6	6.8	82
0.3								
0.6	268	5.7	7.0	81	279	6.1	7.3	83
0.7	271	5.7	7.2	80	283	6.1	7.3	84
0.9	272	6.4	7.6	84	284	6.7	8.0	83
1.5	280	7.3	8.6	84	292	7.0	8.6	81
2.1	281	7.3	8.8	83	293	6.5	8.5	77
3.1	284	6.2	8.1	76	295	5.2	7.5	69
3.6	287	5.3	7.6	70	300	4.4	7.0	62
4.5	294	3.8	6.7	56	310	2.9	6.3	47
5.8	317	1.4	5.8	25	005	1.4	5.9	24
6.0	336	1.1	5.6	20	025	1.5	5.9	25
7.6	073	2.9	5.8	49	075	3.8	6.5	58
9.5	086	7.5	8.6	87	083	8.0	9.2	87
10.6	087	10.4	11.3	92	085	10.9	11.7	93
12.3	085	15.7	16.5	95	085	15.6	16.4	95
14.1	082	21.8	22.8	96	082	20.5	21.8	94
16.6	081	28.7	29.6	97	083	26.8	27.5	97
18.5	088	25.1	25.5	99	088	22.9	23.2	99
20.5	089	21.1	21.4	98	090	20.3	20.7	98
24.0	087	25.1	25.4	99	090	23.6	23.9	99
26.5	084	29.1	29.4	99	085	28.9	29.1	99
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	300	1.2	2.5	48	042	1.2	2.1	60
0.15	299	2.7	5.4	50	046	2.4	4.4	56
0.3								
0.6	302	2.9	5.6	51	045	2.6	4.5	58
0.7	294	3.0	5.5	54	054	2.8	4.3	65
0.9	308	3.2	5.8	54	043	2.7	4.4	62
1.5	316	3.7	6.3	58	030	3.0	4.9	62
2.1	322	3.8	6.7	57	019	3.5	5.8	61
3.1	321	3.4	6.2	55	002	3.3	6.3	52
3.6	316	3.1	6.1	51	346	2.5	5.9	43
4.5	303	2.2	5.6	38	306	2.0	5.9	34
5.8	295	0.7	5.1	14	278	2.9	6.7	44
6.0	298	0.4	5.1	08	277	3.2	6.8	46
7.6	098	1.3	5.2	24	264	4.8	8.2	58
9.5	098	3.4	6.1	56	250	7.2	10.0	72
10.6	097	5.1	7.3	70	244	8.1	10.9	74
12.3	097	8.6	10.6	82	230	8.4	12.2	69
14.1	094	12.4	14.3	87	211	7.4	11.9	62
16.6	089	16.2	17.0	95	151	3.3	7.9	42
18.5	093	15.3	15.8	97	095	5.4	7.1	76
20.5	091	13.9	14.5	96	094	6.6	7.8	84
24.0	090	17.4	18.2	95	092	10.0	10.6	94
26.5	084	19.8	20.8	95	086	11.2	11.7	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NAGPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	047	1.3	1.8	74	061	0.9	1.4	63
0.15	057	2.9	4.0	75	072	2.1	3.3	64
0.3								
0.6	056	3.0	4.0	75	068	2.1	3.3	62
0.7	057	2.6	3.5	74	061	1.9	2.9	63
0.9	052	2.7	3.8	72	054	1.6	3.2	50
1.5	030	2.6	4.3	60	355	1.7	4.0	42
2.1	009	2.9	5.1	58	322	2.7	5.1	53
3.1	334	2.9	5.9	49	293	4.4	6.7	65
3.6	312	3.1	6.2	50	286	5.6	7.7	72
4.5	295	4.4	7.3	60	278	8.2	10.2	80
5.8	285	7.0	9.5	74	275	11.9	13.7	87
6.0	284	7.7	10.1	76	275	12.7	14.4	88
7.6	276	11.5	13.9	83	272	17.4	19.2	91
9.5	265	16.6	18.4	90	268	23.6	25.6	92
10.6	258	19.0	20.8	91	263	27.0	29.5	92
12.3	250	21.0	23.0	91	257	29.2	31.6	92
14.1	249	18.3	20.1	91	256	26.6	28.4	94
16.6	256	7.9	10.7	74	262	14.9	16.9	88
18.5	296	0.9	5.7	15	270	5.9	8.8	68
20.5	082	0.9	5.4	16	297	1.9	6.2	31
24.0	101	2.6	6.9	37	263	0.5	6.6	07
26.5	090	4.2	7.7	55	267	1.7	7.9	22
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	2.2	3.4	67	305	2.4	3.8	63
0.15	301	3.8	5.5	69	300	3.9	6.0	65
0.3	307	2.3	3.5	67	304	2.4	3.9	62
0.6	305	3.6	5.4	67	302	3.7	5.9	63
0.7	310	3.2	5.1	63	305	3.3	5.3	62
0.9	310	3.3	5.3	63	303	3.4	5.7	61
1.5	298	3.8	5.7	66	292	4.1	6.3	65
2.1	286	4.8	6.6	72	284	5.4	7.4	72
3.1	277	7.7	9.3	82	277	8.5	10.2	83
3.6	275	9.7	11.2	86	275	10.4	12.0	87
4.5	274	13.9	15.3	90	274	14.2	15.7	90
5.8	273	20.3	21.8	93	274	20.2	21.9	92
6.0	273	21.6	23.0	94	274	21.3	23.0	93
7.6	273	30.3	32.1	94	273	29.2	31.2	94
9.5	271	41.2	43.4	95	272	40.1	42.7	94
10.6	269	46.9	49.3	95	271	45.9	48.8	94
12.3	268	49.9	51.9	96	270	48.6	51.1	95
14.1	268	44.6	45.9	97	269	44.1	45.7	96
16.6	268	30.3	31.3	97	269	29.4	30.6	96
18.5	270	17.2	18.5	93	270	16.4	17.7	93
20.5	271	10.1	12.9	78	268	9.2	11.3	81
24.0	269	7.8	12.2	64	266	6.9	10.1	68
26.5	268	11.6	15.6	74	273	7.4	12.0	62
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	310	2.7	4.0	67	307	3.1	4.2	74
0.15	304	4.6	6.5	70	302	5.2	6.9	75
0.3	310	2.8	4.1	68	307	3.2	4.4	73
0.6	306	4.5	6.5	68	305	5.3	7.0	76
0.7	308	4.3	5.8	75	312	4.1	5.8	71
0.9	307	4.2	6.3	66	307	5.0	6.8	74
1.5	294	5.0	6.9	73	299	5.3	6.8	78
2.1	286	6.4	8.1	79	290	6.0	7.3	82
3.1	278	8.9	10.5	84	283	7.8	9.2	85
3.6	276	10.4	11.9	87	282	9.0	10.4	86
4.5	275	13.3	14.7	90	281	10.8	12.4	87
5.8	274	17.7	19.2	92	281	13.4	14.9	90
6.0	274	18.5	20.0	92	280	13.9	15.5	90
7.6	274	24.7	26.6	93	278	17.5	19.4	90
9.5	273	32.7	35.2	93	275	23.7	26.2	90
10.6	272	37.3	40.2	93	274	27.6	30.4	91
12.3	271	40.8	43.2	94	272	31.9	34.6	92
14.1	270	36.9	38.6	96	270	29.1	30.9	94
16.6	270	24.8	25.9	96	271	17.3	18.8	92
18.5	275	13.1	14.6	90	277	6.7	10.4	65
20.5	275	5.6	8.6	65	282	1.5	6.9	21
24.0	269	5.0	8.8	57	277	2.8	7.0	39
26.5	271	9.1	11.2	82	271	5.8	8.7	67
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	302	2.6	4.3	60	301	1.7	4.1	42
0.15	299	4.6	6.9	67	301	2.9	6.3	46
0.3	302	2.7	4.5	61	302	1.8	4.2	42
0.6	301	4.7	7.0	67	305	3.0	6.4	47
0.7	304	3.9	6.2	63	326	2.6	5.9	45
0.9	304	4.4	6.6	66	312	2.9	6.1	47
1.5	297	5.0	6.7	75	305	3.8	6.4	59
2.1	292	6.0	7.3	83	301	5.0	7.0	72
3.1	288	8.0	9.1	88	302	6.7	8.3	80
3.6	289	8.9	10.1	88	305	7.2	8.9	81
4.5	292	10.2	11.7	87	309	7.6	9.4	80
5.8	292	11.5	13.1	88	300	7.1	9.5	74
6.0	291	11.7	13.4	88	298	7.0	9.5	74
7.6	286	14.5	16.5	87	283	8.3	11.5	73
9.5	278	18.8	21.5	87	273	10.0	13.4	75
10.6	273	21.8	24.5	89	268	10.2	13.6	75
12.3	269	23.9	26.5	90	263	9.8	13.5	72
14.1	267	21.1	23.1	91	258	7.2	12.0	60
16.6	264	10.7	13.3	80	186	0.8	8.8	09
18.5	234	1.9	7.4	26	102	6.5	8.7	74
20.5	095	2.4	6.2	38	091	10.1	10.7	94
24.0	088	2.6	6.0	43	090	12.0	12.5	96
26.5	044	1.6	6.8	24	085	12.7	13.6	94
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	294	0.2	3.3	07	304	0.4	3.1	14
0.15	284	0.7	5.3	12	295	0.9	5.3	18
0.3	294	0.3	3.5	08	308	0.4	3.2	13
0.6	296	0.5	5.5	09	320	0.7	5.3	13
0.7	036	0.2	4.8	04	324	0.5	4.9	11
0.9	325	0.3	5.5	06	358	0.5	5.2	09
1.5	301	0.9	6.0	16	347	0.5	5.8	08
2.1	298	1.5	6.4	23	341	0.8	6.2	13
3.1	315	2.1	6.6	32	353	1.7	6.5	26
3.6	325	2.3	6.6	35	359	1.9	6.4	30
4.5	335	2.2	6.6	32	009	1.7	6.0	29
5.8	318	1.4	6.3	21	004	0.7	5.8	12
6.0	307	1.2	6.3	19	001	0.6	5.8	10
7.6	248	0.9	6.6	14	275	0.3	5.9	04
9.5	195	0.9	6.9	13	178	0.9	6.5	14
10.6	165	1.5	7.3	20	163	1.5	6.9	22
12.3	142	2.4	8.2	29	135	2.3	7.7	30
14.1	109	4.1	9.4	43	108	4.2	8.9	47
16.6	087	9.9	12.0	82	092	9.7	11.6	84
18.5	090	13.7	14.5	94	093	12.8	13.7	93
20.5	088	15.6	15.9	98	089	14.7	15.3	96
24.0	091	17.4	17.8	97	091	16.5	17.0	97
26.5	087	19.4	19.9	98	086	19.3	20.0	96
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	315	1.5	3.5	43	318	2.1	3.2	68
0.15	314	2.8	5.8	48	320	3.8	5.3	71
0.3	316	1.7	3.8	44	318	2.2	3.3	68
0.6	321	2.8	5.9	48	324	3.9	5.4	71
0.7	347	2.1	5.2	41	333	3.4	4.8	71
0.9	327	2.7	5.7	48	326	3.8	5.3	71
1.5	317	3.1	6.1	50	314	4.1	5.4	75
2.1	311	3.6	6.6	54	306	4.9	6.1	80
3.1	318	3.9	6.8	58	303	5.5	7.0	79
3.6	318	3.8	6.7	57	301	5.8	7.3	79
4.5	314	3.3	6.5	51	294	6.8	8.3	82
5.8	284	3.7	7.0	53	282	9.8	11.4	86
6.0	279	4.1	7.2	57	281	10.6	12.2	87
7.6	263	6.9	9.3	74	273	16.4	18.3	90
9.5	255	9.5	11.5	83	265	23.2	25.3	92
10.6	252	10.4	12.5	83	263	26.8	28.7	93
12.3	250	10.5	13.0	80	261	29.1	30.7	95
14.1	246	8.1	11.7	70	261	25.6	27.0	95
16.6	190	1.8	7.5	24	260	13.6	15.2	90
18.5	104	4.8	7.3	65	264	4.3	7.4	57
20.5	093	7.5	8.6	87	102	0.4	5.4	07
24.0	093	9.9	10.7	92	094	1.3	6.8	19
26.5	085	11.8	12.9	92	357	0.6	7.0	09
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : NEW DELHI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	313	2.3	3.0	77	306	2.4	3.2	76
0.15	310	3.8	5.1	74	301	3.8	5.1	74
0.3	313	2.4	3.1	77	306	2.5	3.3	75
0.6	313	3.8	5.0	75	305	3.8	5.2	73
0.7	319	3.3	4.5	72	313	3.5	4.4	78
0.9	316	3.6	4.8	75	311	3.6	5.1	71
1.5	311	4.1	5.3	78	309	4.1	5.8	72
2.1	306	4.7	6.1	76	300	5.0	6.6	75
3.1	298	5.9	7.4	79	288	6.9	8.6	81
3.6	295	6.9	8.5	82	284	8.4	10.0	83
4.5	287	9.5	11.0	86	279	11.7	13.2	88
5.8	280	14.5	16.1	90	276	17.4	19.0	92
6.0	280	15.2	16.9	90	276	18.4	20.0	92
7.6	276	22.4	24.3	92	273	25.7	27.5	93
9.5	272	31.0	33.3	93	271	35.1	37.2	94
10.6	269	35.4	37.8	93	270	40.6	42.9	94
12.3	266	39.0	41.2	95	267	44.5	46.6	95
14.1	266	35.4	37.1	96	267	40.4	41.9	96
16.6	269	21.7	22.8	95	268	28.5	29.4	97
18.5	274	10.0	11.9	84	270	16.5	17.5	94
20.5	276	4.7	8.7	54	269	9.6	11.4	85
24.0	267	5.1	9.3	55	267	8.1	11.4	72
26.5	271	5.6	9.9	56	271	11.2	14.2	79
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	314	1.5	2.3	63	313	1.7	2.8	62
0.15	316	3.1	5.1	61	313	3.3	5.7	58
0.3	317	1.8	3.0	60	316	2.2	3.4	63
0.6	313	3.3	5.5	59	311	3.5	6.1	58
0.7	311	3.4	6.2	55	306	3.7	6.4	57
0.9	312	3.2	5.9	55	310	3.5	6.5	55
1.5	309	2.3	5.8	39	306	2.9	6.4	46
2.1	284	1.6	5.6	28	287	2.5	6.4	39
3.1	261	3.0	6.6	46	273	3.8	7.5	50
3.6	264	4.6	7.7	59	270	5.2	8.3	63
4.5	270	8.2	10.8	75	272	8.9	11.4	78
5.8	272	15.2	17.4	88	273	14.9	17.2	87
6.0	272	16.5	18.6	89	274	16.0	18.3	88
7.6	273	25.3	27.4	92	274	24.2	26.8	90
9.5	272	35.6	38.1	93	273	35.0	38.1	92
10.6	271	41.3	44.1	94	272	40.8	43.8	93
12.3	270	45.1	47.5	95	272	44.2	47.4	93
14.1	270	41.8	43.6	96	270	39.8	42.5	94
16.6	269	29.8	31.2	95	269	27.5	28.5	96
18.5	269	19.3	20.7	93	270	15.8	17.0	93
20.5	271	11.4	14.2	81	276	8.0	10.4	76
24.0					263	6.0	9.1	66
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	315	1.9	3.1	59	314	1.9	3.2	61
0.15	314	3.5	6.1	57	319	3.8	6.0	64
0.3	315	2.2	3.7	59	316	2.4	3.7	65
0.6	312	3.8	6.6	57	316	4.2	6.4	66
0.7	307	4.6	7.1	65	314	4.4	7.4	59
0.9	308	3.9	6.9	56	311	4.6	6.7	68
1.5	301	3.9	7.0	55	304	4.6	6.8	68
2.1	293	3.9	7.1	55	300	4.8	6.9	70
3.1	278	5.1	8.2	62	294	5.6	8.0	70
3.6	278	6.2	8.9	70	293	6.1	8.6	71
4.5	275	9.0	11.4	79	288	7.7	10.2	76
5.8	274	14.1	16.1	87	283	10.7	13.0	82
6.0	274	15.1	17.1	88	282	11.3	13.6	83
7.6	273	22.1	24.3	91	279	15.6	18.1	86
9.5	274	31.4	34.4	91	277	22.4	25.0	89
10.6	272	36.2	39.5	92	276	26.0	28.8	90
12.3	272	41.7	44.5	94	274	30.8	33.3	93
14.1	272	38.1	40.2	95	273	28.9	30.7	94
16.6	270	23.8	25.1	95	273	17.5	19.2	91
18.5	272	13.0	14.8	88	276	8.2	11.2	73
20.5	268	7.2	11.0	65	298	2.9	7.6	39
24.0	277	4.2	10.6	39	280	2.4	8.0	30
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	317	1.6	3.0	54	319	0.9	2.8	34
0.15	317	2.9	5.6	52	318	1.6	5.2	31
0.3	317	2.0	3.5	56	319	1.1	3.3	33
0.6	313	3.2	6.0	54	308	2.0	5.6	36
0.7	308	3.4	6.4	53	298	2.9	6.0	49
0.9	306	3.5	6.3	56	299	2.5	5.6	43
1.5	300	4.1	6.4	65	296	3.5	5.8	61
2.1	297	4.8	6.6	73	303	4.8	6.4	75
3.1	297	6.5	8.2	79	311	6.3	7.9	80
3.6	298	7.2	9.0	80	312	6.8	8.5	80
4.5	295	8.5	10.5	81	314	7.3	9.1	80
5.8	293	10.5	12.2	86	304	7.3	9.4	77
6.0	292	10.7	12.5	86	302	7.4	9.7	76
7.6	288	13.9	16.0	87	284	10.0	12.9	77
9.5	283	18.4	21.1	87	276	13.8	17.0	81
10.6	280	21.5	24.5	88	272	14.8	17.9	83
12.3	274	24.7	27.4	90	267	14.9	17.9	83
14.1	271	23.2	25.4	91	266	12.7	16.0	79
16.6	265	13.3	15.5	86	262	5.3	10.1	52
18.5	258	4.7	9.4	50	126	2.8	7.8	36
20.5	130	0.7	6.9	10	090	7.9	9.6	82
24.0	094	1.7	6.0	29	092	9.0	9.9	91
26.5	326	1.3	6.0	22	082	8.4	9.7	86
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	092	0.3	1.8	17	025	0.2	1.7	09
0.15	096	0.7	4.0	18	019	0.5	3.8	13
0.3	089	0.4	2.3	19	027	0.2	2.1	11
0.6	120	0.6	4.4	14	341	0.4	4.2	10
0.7	157	0.5	4.4	11	271	0.6	4.6	14
0.9	162	0.6	4.6	12	290	0.5	4.3	12
1.5	235	0.6	5.2	12	289	0.9	5.0	18
2.1	284	1.0	5.8	17	313	1.3	5.5	23
3.1	319	1.9	6.2	31	330	1.7	5.6	30
3.6	321	2.2	6.3	35	334	1.8	5.7	32
4.5	318	2.4	6.4	37	326	1.7	5.6	29
5.8	299	2.2	6.3	35	284	1.8	5.7	31
6.0	293	2.3	6.3	36	280	2.0	5.7	35
7.6	268	3.7	7.6	49	264	3.5	6.9	51
9.5	259	4.5	8.6	52	253	4.5	8.1	55
10.6	251	4.5	9.0	50	246	5.1	8.6	60
12.3	241	4.1	9.2	44	239	5.1	9.1	56
14.1	230	2.2	9.4	23	230	3.7	9.0	41
16.6	097	4.4	9.6	46	110	3.0	7.8	39
18.5	094	9.0	11.1	81	101	7.2	9.5	76
20.5	091	12.7	13.7	92	091	10.3	11.5	89
24.0	093	15.0	15.5	96	095	12.8	13.8	93
26.5	090	17.0	17.7	96	086	15.5	16.2	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	315	1.0	1.7	55	319	1.0	1.5	68
0.15	319	2.1	4.2	51	325	2.9	4.2	69
0.3	319	1.2	2.2	52	321	1.4	2.0	70
0.6	313	2.5	4.6	55	322	3.2	4.6	70
0.7	306	2.5	4.8	52	315	3.6	5.1	70
0.9	310	2.8	5.0	57	316	3.5	4.9	72
1.5	312	3.3	5.5	59	312	4.0	5.3	76
2.1	316	3.5	6.0	59	312	4.4	5.8	75
3.1	319	3.6	6.0	59	312	4.1	6.3	66
3.6	316	3.2	6.0	53	308	4.0	6.3	63
4.5	307	2.7	6.0	45	300	4.9	6.8	71
5.8	281	3.8	6.8	56	286	8.2	9.9	83
6.0	278	4.4	7.1	61	285	9.0	10.5	85
7.6	268	8.0	10.2	78	278	15.1	16.9	89
9.5	264	11.9	13.5	88	273	22.9	24.9	92
10.6	261	13.2	14.9	88	269	26.8	28.9	93
12.3	259	13.4	15.3	87	266	30.3	31.9	95
14.1	261	11.6	13.6	85	264	28.1	29.3	96
16.6	252	5.0	8.5	58	264	16.4	17.6	93
18.5	154	1.4	6.1	22	267	7.8	9.8	79
20.5	094	3.8	6.6	58	266	2.7	7.2	38
24.0	096	6.9	8.2	84	268	1.9	7.1	26
26.5	083	8.2	9.3	88	272	3.4	7.1	48
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATIALA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	319	1.2	1.5	82	314	1.4	1.8	76
0.15	324	3.4	4.3	79	318	3.5	4.7	76
0.3	320	1.7	2.1	81	315	1.9	2.4	77
0.6	321	3.7	4.7	79	317	3.8	5.1	74
0.7	317	3.8	5.3	71	315	4.3	5.6	76
0.9	318	4.0	5.1	79	317	3.9	5.5	71
1.5	316	3.8	5.2	73	319	3.3	5.7	57
2.1	315	3.5	5.5	64	310	2.8	5.8	49
3.1	305	3.4	6.0	57	288	3.4	6.4	54
3.6	297	3.9	6.5	60	282	4.6	7.3	64
4.5	289	6.3	8.2	77	278	7.9	10.0	79
5.8	281	11.5	13.1	88	275	13.5	15.5	87
6.0	280	12.5	14.1	88	275	14.6	16.5	88
7.6	277	20.0	21.8	91	275	22.6	24.8	91
9.5	273	29.0	31.1	93	272	31.3	33.7	93
10.6	271	33.3	35.5	94	272	36.2	38.6	94
12.3	268	36.9	39.0	95	271	40.6	42.9	95
14.1	269	34.6	36.0	96	271	37.3	38.9	96
16.6	271	23.0	23.9	96	272	27.0	28.2	96
18.5	272	13.0	14.4	91	276	18.5	19.4	95
20.5	277	7.0	9.1	77	278	11.6	13.3	87
24.0	277	4.7	8.6	55	280	8.8	12.6	70
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	291	0.9	1.4	65	285	1.2	1.8	64
0.15	301	2.4	3.7	64	292	2.8	4.3	65
0.3	297	2.7	4.1	66	291	3.2	4.7	67
0.6	291	3.6	5.0	73	289	4.1	5.6	73
0.7	287	4.2	5.7	73	288	4.3	5.8	74
0.9	290	4.6	5.9	79	289	5.1	6.3	81
1.5	296	6.5	7.7	85	289	7.4	8.2	90
2.1	295	9.1	10.2	89	289	9.7	10.5	92
3.1	294	13.2	14.0	94	288	12.9	13.9	93
3.6	292	14.8	15.7	94	289	14.8	15.7	94
4.5	288	18.3	19.3	94	287	17.7	18.8	94
5.8	285	24.7	26.1	94	285	24.0	25.3	95
6.0	284	25.9	27.4	95	285	25.2	26.6	95
7.6	280	35.0	36.8	95	283	33.2	35.3	94
9.5	277	42.9	45.3	94	281	39.8	42.7	93
10.6	275	44.8	47.3	95	277	39.9	44.2	90
12.3	276	43.0	45.1	95	273	38.7	42.2	92
14.1								
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	285	1.9	2.6	73	315	1.2	3.1	39
0.15	294	4.1	5.4	75	326	3.1	6.3	48
0.3	292	4.6	6.0	77	321	3.4	6.8	50
0.6	289	5.9	7.0	84	307	4.3	7.5	56
0.7	287	7.0	7.9	87	305	4.4	7.2	60
0.9	286	6.8	7.7	88	294	5.2	7.8	66
1.5	286	8.7	9.3	93	284	7.4	8.5	87
2.1	287	11.1	11.6	95	284	9.2	10.1	92
3.1	288	14.4	15.1	96	287	12.3	13.1	94
3.6	289	15.6	16.3	95	287	13.6	14.3	95
4.5	288	17.5	18.3	96	289	15.0	15.8	95
5.8	287	20.8	21.7	96	288	16.3	17.3	94
6.0	286	21.6	22.6	95	287	16.8	17.8	94
7.6	283	27.2	28.7	95	282	20.9	22.3	93
9.5	282	32.0	34.5	93	277	26.2	28.7	91
10.6	281	33.7	37.0	91	273	29.7	32.5	91
12.3	278	34.4	36.8	93	273	29.8	33.2	90
14.1								
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	059	1.4	3.1	46	075	1.8	2.9	64
0.15	047	3.1	6.0	51	067	3.7	5.9	63
0.3	042	2.9	6.3	46	068	3.6	6.1	59
0.6	023	2.0	6.5	30	075	3.1	6.4	48
0.7	344	1.8	6.2	30	078	2.6	6.3	41
0.9	333	1.5	6.3	24	080	2.2	6.6	34
1.5	287	4.4	7.1	62	326	0.3	6.8	05
2.1	288	7.4	8.9	83	292	2.2	7.5	29
3.1	290	10.6	11.8	90	302	4.1	8.9	46
3.6	291	11.6	12.8	91	302	4.6	9.2	50
4.5	294	12.4	13.5	92	302	4.6	8.8	51
5.8	293	12.4	13.7	91	298	4.1	8.3	50
6.0	293	12.4	13.7	90	299	4.0	8.2	49
7.6	281	14.3	16.0	89	276	3.8	8.5	44
9.5	271	18.0	20.1	89	259	3.6	8.6	41
10.6	266	19.1	21.2	90	242	3.0	8.8	34
12.3	261	18.6	20.7	90	200	3.1	9.8	31
14.1	262	13.6	16.4	82	157	3.3	10.3	32
16.6	253	2.7	9.7	28	111	7.3	11.0	67
18.5	109	4.7	7.6	62	106	12.1	13.9	87
20.5					097	13.5	14.0	96
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	087	1.3	2.2	60	089	1.3	2.2	59
0.15	086	2.8	5.0	56	091	2.7	4.9	54
0.3	089	3.0	5.5	54	095	2.9	5.4	54
0.6	102	2.9	6.1	47	105	3.2	6.2	52
0.7	104	3.1	6.6	47	109	3.3	6.1	53
0.9	114	2.7	6.6	41	115	3.2	6.7	48
1.5	134	2.0	7.1	28	130	3.4	6.9	48
2.1	144	1.4	7.3	20	135	3.3	7.0	47
3.1	127	1.2	7.2	17	125	3.2	6.9	47
3.6	117	1.3	7.3	17	121	3.4	6.8	50
4.5	100	1.2	7.2	17	114	3.5	6.5	54
5.8	102	2.1	6.9	30	109	3.1	6.2	50
6.0	102	2.4	6.8	35	108	3.2	6.2	51
7.6	096	3.4	6.7	51	099	3.9	6.2	63
9.5	093	5.5	7.8	70	093	5.5	7.3	74
10.6	094	6.8	9.0	75	091	7.0	8.6	81
12.3	097	8.9	10.7	82	089	8.7	10.5	82
14.1	093	11.7	13.6	86	090	10.7	12.6	85
16.6	092	18.0	18.9	95	090	16.2	17.2	94
18.5	100	18.5	19.3	96	099	17.2	17.6	98
20.5	098	19.2	19.4	99	098	18.5	18.8	98
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	090	1.0	1.9	52	336	0.1	0.9	11
0.15	088	1.8	4.6	39	311	0.6	2.9	19
0.3	091	1.9	5.0	38	307	0.7	3.2	22
0.6	105	1.9	5.8	33	304	1.0	3.4	29
0.7	104	2.5	6.1	41	303	1.2	3.3	37
0.9	115	1.8	6.3	28	309	1.2	3.7	33
1.5	137	1.3	6.7	20	299	1.7	4.2	40
2.1	157	1.1	6.7	17	294	2.2	5.0	44
3.1	145	1.0	6.3	16	294	2.8	5.6	51
3.6	149	0.7	5.9	11	294	3.7	6.1	60
4.5	163	0.3	5.8	06	286	5.9	7.7	77
5.8	252	1.4	6.3	22	276	9.6	10.9	88
6.0	249	1.5	6.2	25	275	10.4	11.6	89
7.6	262	2.8	6.9	41	268	15.1	16.3	92
9.5	248	4.0	8.3	48	263	19.3	20.6	93
10.6	245	4.4	9.2	48	259	20.1	21.5	94
12.3	236	3.8	9.4	41	258	19.9	21.4	93
14.1	215	2.4	9.7	24	256	17.3	18.8	92
16.6	106	5.4	9.0	61	249	6.4	9.7	66
18.5	102	9.6	10.8	89	153	3.1	7.5	41
20.5	100	11.4	11.9	96	123	4.8	8.7	56
24.0	104	13.6	14.2	96	101	7.1	8.3	85
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PATNA

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	293	0.2	0.5	48	299	0.5	0.8	59
0.15	317	1.5	3.0	49	302	2.1	3.2	66
0.3	314	1.7	3.2	51	300	2.4	3.5	68
0.6	304	2.2	3.6	60	294	2.8	4.0	71
0.7	298	2.4	3.8	64	291	3.1	4.0	77
0.9	301	2.5	3.9	65	292	3.2	4.5	72
1.5	298	2.9	4.5	64	293	4.0	5.4	75
2.1	296	3.6	5.6	63	295	5.7	7.1	80
3.1	295	5.7	7.7	74	296	9.3	10.5	89
3.6	295	7.1	8.7	81	294	11.1	12.1	92
4.5	289	10.1	11.4	89	291	14.1	15.3	92
5.8	283	14.6	16.0	91	285	19.0	20.3	93
6.0	282	15.2	16.6	91	284	20.2	21.5	94
7.6	278	21.4	23.1	92	280	27.2	28.7	95
9.5	270	30.4	32.5	94	277	35.7	37.9	94
10.6	267	34.7	36.8	94	275	38.1	40.9	93
12.3	263	34.7	36.6	95	273	38.4	40.7	94
14.1	265	30.0	31.3	96	273	31.0	32.5	95
16.6	266	14.8	16.6	89				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	050	2.2	2.4	91	049	1.3	1.5	89
0.15	050	5.4	5.8	92	054	4.1	4.6	88
0.3	050	5.5	5.9	92	054	4.2	4.8	88
0.6	054	5.4	5.9	91	051	4.0	4.7	85
0.7	055	5.6	6.1	92	056	3.6	4.5	79
0.9	062	5.0	5.7	88	059	3.6	4.6	78
1.5	084	4.1	5.3	78	081	3.2	4.6	69
2.1	090	3.2	4.9	66	092	2.7	4.7	58
3.1	084	2.0	4.5	45	094	1.3	4.6	28
3.6	085	1.7	4.6	37	076	0.8	4.6	17
4.5	083	1.7	5.0	34	071	0.6	5.1	12
5.8	076	1.4	5.9	24	062	0.4	6.2	06
6.0	078	1.3	6.1	21	051	0.3	6.4	04
7.6	211	0.3	7.5	04	271	0.8	8.0	10
9.5	240	3.2	8.4	38	237	3.1	9.2	33
10.6	232	4.9	9.5	52	225	5.0	9.8	50
12.3	220	7.1	11.5	61	210	6.6	11.8	56
14.1	207	7.6	13.2	58	191	7.4	13.2	56
16.6	143	2.7	9.7	28	139	2.6	9.6	27
18.5	149	1.0	6.4	16	229	1.9	7.7	24
20.5	151	1.1	8.2	14	218	1.4	9.4	14
24.0	089	7.6	12.0	64	097	2.2	11.2	19
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	060	0.6	0.9	70	191	0.1	1.0	06
0.15	070	2.5	3.5	70	101	0.9	3.4	26
0.3	070	2.5	3.6	70	100	0.9	3.4	26
0.6	055	2.4	3.5	68	059	0.6	3.2	19
0.7	061	2.0	3.5	57	023	0.8	3.2	25
0.9	053	2.4	3.6	65	042	0.8	3.1	25
1.5	070	2.9	4.4	66	069	1.6	3.6	45
2.1	082	3.3	4.9	68	083	2.5	4.3	58
3.1	080	2.7	4.9	56	085	2.5	4.7	54
3.6	077	2.3	4.7	47	085	2.1	4.5	45
4.5	076	1.7	5.0	34	085	1.6	4.7	34
5.8	092	1.1	5.5	20	090	1.3	5.4	23
6.0	100	0.9	5.7	16	086	1.3	5.5	23
7.6	243	1.2	7.0	18	129	0.7	6.5	11
9.5	244	4.7	9.2	51	238	2.4	7.5	32
10.6	236	6.6	10.5	62	230	4.2	8.4	50
12.3	226	7.8	12.0	65	218	5.7	9.7	59
14.1	214	6.7	12.8	52	198	4.4	10.0	44
16.6	139	2.3	8.8	27	113	2.8	8.4	33
18.5	132	0.6	7.0	08	105	2.8	7.6	37
20.5	249	0.3	9.8	03	118	1.2	8.3	15
24.0	110	4.5	10.5	43	095	8.7	12.3	71
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	232	2.0	2.6	78	229	4.5	4.8	94
0.15	235	3.9	5.6	70	232	8.0	8.5	95
0.3	235	4.0	5.7	70	232	8.2	8.7	94
0.6	242	4.6	6.4	71	238	9.7	10.3	94
0.7	243	4.9	6.7	72	239	8.7	9.5	91
0.9	246	4.7	6.7	70	241	10.3	11.0	94
1.5	246	4.0	6.3	63	247	9.7	10.6	92
2.1	246	3.1	6.0	52	251	8.7	9.7	89
3.1	250	2.3	6.2	38	253	7.6	8.9	85
3.6	255	2.2	6.2	36	252	7.0	8.5	82
4.5	249	2.2	6.0	37	248	5.8	7.8	73
5.8	226	1.6	6.0	26	243	4.2	7.3	57
6.0	221	1.6	6.0	27	242	3.8	7.3	52
7.6	171	1.3	6.1	22	183	1.2	6.2	19
9.5	129	2.6	6.4	40	085	6.0	8.6	69
10.6	120	3.6	7.5	48	075	9.9	11.8	84
12.3	102	5.8	10.0	57	072	15.6	16.9	92
14.1	096	8.9	12.4	72	074	22.3	23.5	95
16.6	093	12.4	14.0	88	084	25.7	26.6	96
18.5	090	8.5	10.8	78	088	15.5	16.5	94
20.5	093	6.4	9.6	66	092	13.1	14.2	92
24.0	091	12.9	14.7	88	091	18.2	18.8	97
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	228	3.9	4.2	95	230	4.3	4.5	95
0.15	233	7.8	8.2	94	236	8.2	8.6	95
0.3	233	8.0	8.5	94	236	8.4	8.8	95
0.6	238	9.4	10.0	94	241	10.0	10.5	95
0.7	240	10.1	10.6	95	244	10.0	10.6	94
0.9	242	9.9	10.6	94	245	10.6	11.1	95
1.5	247	9.4	10.2	92	251	10.0	10.7	93
2.1	251	8.2	9.2	89	256	8.8	9.7	90
3.1	254	7.0	8.2	84	258	7.4	8.7	85
3.6	255	6.2	7.7	80	258	6.7	8.3	82
4.5	252	4.9	7.0	70	256	5.2	7.3	71
5.8	242	3.2	6.7	48	251	3.3	6.7	49
6.0	240	2.9	6.6	44	250	2.8	6.7	42
7.6	129	1.5	6.2	24	118	1.0	6.3	16
9.5	077	7.2	9.2	79	081	7.7	9.8	79
10.6	072	11.4	12.7	90	074	12.1	13.5	90
12.3	071	17.5	18.6	94	071	17.8	19.0	94
14.1	074	24.0	25.0	96	076	24.4	25.5	96
16.6	082	27.0	27.8	97	083	26.1	26.9	97
18.5	090	18.2	18.8	97	089	17.9	18.6	96
20.5	093	16.4	16.9	97	093	17.3	18.1	96
24.0	090	19.3	20.2	96	086	19.6	20.2	97
26.5	087	24.2	24.7	98				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	239	2.5	2.8	88	221	0.7	1.6	43
0.15	242	5.6	6.5	86	214	1.5	4.7	32
0.3	243	5.7	6.6	86	214	1.5	4.8	32
0.6	248	6.6	7.7	85	221	1.6	5.3	29
0.7	252	7.1	8.2	86	216	1.5	5.1	28
0.9	250	6.6	7.9	84	218	1.5	5.5	27
1.5	254	5.9	7.3	80	204	1.4	5.6	24
2.1	254	5.0	6.7	74	186	1.2	5.6	22
3.1	256	3.9	6.3	61	152	0.9	5.3	18
3.6	255	3.2	6.0	52	128	1.0	5.4	19
4.5	250	2.0	5.7	35	101	1.7	5.6	29
5.8	179	0.5	5.6	09	094	2.8	5.9	47
6.0	149	0.6	5.6	11	093	2.9	5.8	50
7.6	094	3.0	6.0	50	094	4.1	6.2	67
9.5	088	7.1	8.6	83	096	5.5	7.2	77
10.6	084	9.8	11.0	89	096	6.8	8.5	80
12.3	081	14.3	15.5	92	097	9.3	11.2	83
14.1	084	19.6	20.7	95	096	12.6	14.4	87
16.6	088	20.1	20.8	97	095	13.3	14.9	89
18.5	091	13.1	13.8	95	092	8.6	9.9	87
20.5	092	13.5	14.0	96	093	9.1	11.3	81
24.0	089	15.7	16.7	94	086	11.2	14.5	77
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : PORTBLAIR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	088	1.5	2.3	63	060	2.7	3.1	88
0.15	087	3.3	5.6	59	062	5.8	6.6	88
0.3	086	3.4	5.8	59	062	5.9	6.7	89
0.6	088	3.7	6.2	59	065	6.1	6.9	88
0.7	086	4.0	6.5	62	062	6.0	6.7	89
0.9	095	3.9	6.4	61	072	6.0	6.8	87
1.5	104	3.9	6.3	61	085	5.3	6.4	82
2.1	107	3.7	6.1	60	091	4.2	5.8	73
3.1	105	3.3	5.8	57	093	3.2	5.2	62
3.6	103	3.4	5.8	59	090	3.3	5.3	61
4.5	100	3.6	5.9	60	087	3.4	5.6	60
5.8	096	4.2	6.5	64	087	3.5	6.4	54
6.0	095	4.2	6.6	64	088	3.4	6.5	53
7.6	098	4.5	7.1	63	099	2.8	6.7	41
9.5	108	4.2	7.2	58	162	2.1	7.2	29
10.6	121	4.0	7.6	53	187	3.7	8.1	45
12.3	135	4.8	8.9	54	192	6.2	10.7	58
14.1	126	6.8	10.5	65	183	6.4	11.5	56
16.6	105	7.0	9.8	71	135	3.6	8.9	41
18.5	105	4.6	7.6	60	119	2.4	7.1	33
20.5	098	4.4	8.7	50	144	1.2	7.8	15
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	357	0.5	1.3	39	322	0.5	1.4	37
0.15	354	1.9	4.1	47	336	1.8	4.3	42
0.3	017	0.6	1.1	56	309	0.4	1.3	32
0.6	003	1.8	3.3	56	310	1.4	3.4	39
0.7	349	1.9	3.5	54	311	1.6	3.6	43
0.9	336	1.9	4.2	45	319	2.0	4.5	45
1.5	295	2.9	4.8	61	283	3.1	4.8	65
2.1	290	5.3	7.0	76	273	5.2	6.5	80
3.1	287	9.2	10.6	86	277	9.3	10.7	87
3.6	282	11.0	12.4	88	277	11.3	12.8	88
4.5	279	14.2	15.8	90	278	15.0	16.6	90
5.8	276	19.6	21.2	93	275	20.1	21.8	92
6.0	276	20.8	22.4	93	275	20.9	22.6	92
7.6	273	26.3	28.1	93	275	26.6	28.5	93
9.5	269	32.8	34.9	94	272	32.5	34.9	93
10.6	266	34.8	37.1	94	269	34.8	37.9	92
12.3	259	35.2	37.7	93	267	36.5	39.3	93
14.1	256	31.7	34.3	92	267	31.9	34.8	91
16.6	262	23.2	27.0	86	266	21.5	25.7	84
18.5	269	14.1	19.5	72	263	14.3	18.5	78
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	320	0.9	1.9	45	308	0.9	2.2	41
0.15	322	2.3	4.9	47	314	2.5	5.5	45
0.3	290	0.8	1.7	45	252	0.8	2.0	41
0.6	291	2.2	4.2	53	272	1.8	4.9	37
0.7	300	2.5	4.4	57	284	2.1	5.0	43
0.9	312	2.9	5.3	54	308	3.0	5.7	52
1.5	295	4.0	5.7	71	297	4.0	5.8	69
2.1	282	5.2	6.5	80	292	4.9	6.2	79
3.1	278	8.1	9.5	85	286	6.2	7.5	83
3.6	279	10.0	11.4	88	284	7.2	8.5	84
4.5	280	12.7	14.1	90	284	9.0	10.4	86
5.8	279	16.3	17.9	91	282	11.9	13.5	88
6.0	279	17.0	18.6	91	280	12.5	14.2	88
7.6	275	21.6	23.7	91	275	16.9	19.0	89
9.5	273	28.0	30.8	91	269	22.6	25.6	88
10.6	270	31.9	35.3	90	263	26.1	29.6	88
12.3	270	32.9	36.0	91	260	28.5	31.6	90
14.1	271	30.1	32.4	93	260	25.0	27.4	91
16.6	275	18.8	21.8	86	263	12.4	16.6	74
18.5	279	9.9	14.4	69	296	1.2	9.8	12
20.5	290	2.8	8.6	32	074	2.9	8.1	36
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	0.9	2.3	41	273	0.9	2.5	36
0.15	308	2.5	5.7	44	278	2.2	5.7	38
0.3	263	1.3	2.7	48	259	1.9	3.3	57
0.6	268	3.4	6.2	55	260	4.2	7.0	60
0.7	280	3.2	6.0	53	259	4.0	7.0	57
0.9	306	3.1	6.0	52	283	3.0	6.5	46
1.5	306	4.3	6.2	69	298	4.1	6.9	59
2.1	307	4.8	6.5	74	314	4.5	7.1	63
3.1	306	5.7	7.4	78	323	4.5	7.3	62
3.6	304	6.2	8.0	78	321	4.5	7.4	61
4.5	305	7.1	8.9	80	317	4.4	7.6	59
5.8	298	8.4	10.2	82	308	3.5	7.1	50
6.0	296	8.5	10.5	81	308	3.3	7.0	48
7.6	280	10.4	13.1	79	303	1.7	6.9	25
9.5	263	13.1	16.0	82	103	1.2	7.2	16
10.6	256	14.5	17.5	83	104	3.1	8.3	37
12.3	248	14.9	18.0	83	108	6.6	11.0	59
14.1	239	11.1	16.0	69	099	11.5	15.0	77
16.6	163	2.6	11.6	22	089	18.2	19.9	91
18.5	089	8.2	10.2	80	092	18.4	19.0	97
20.5	096	7.5	8.5	88	088	16.0	16.6	96
24.0	086	8.9	9.4	94	089	19.7	20.4	96
26.5	083	10.0	11.1	90				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	1.2	2.0	60	267	0.9	2.0	43
0.15	250	3.1	5.4	59	258	2.1	5.0	41
0.3	252	2.7	3.1	85	251	1.7	2.6	66
0.6	254	6.5	7.6	85	257	4.2	6.4	66
0.7	255	5.8	7.3	80	261	3.9	6.3	61
0.9	260	4.0	6.3	64	270	2.7	5.9	46
1.5	278	4.8	7.3	65	291	3.2	7.0	46
2.1	288	4.4	7.3	61	302	2.9	7.1	41
3.1	292	3.4	6.7	51	320	1.8	6.7	27
3.6	293	2.9	6.4	46	335	1.2	6.7	18
4.5	295	1.9	5.7	33	030	0.9	6.5	14
5.8	004	0.5	5.4	10	081	2.1	6.3	33
6.0	032	0.6	5.4	12	081	2.4	6.4	38
7.6	079	2.9	5.9	49	084	4.3	6.8	63
9.5	086	7.0	8.3	84	085	7.4	8.6	87
10.6	087	10.1	11.1	91	086	9.7	10.5	92
12.3	085	15.7	16.4	95	086	13.9	15.0	93
14.1	082	21.5	22.4	96	080	18.4	19.6	94
16.6	080	28.1	29.0	97	081	25.5	26.1	98
18.5	088	25.9	26.4	98	086	23.5	23.9	98
20.5	087	21.4	21.8	98				
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	296	0.4	1.5	28	017	0.6	1.1	53
0.15	309	1.3	4.4	30	015	2.5	4.6	54
0.3	266	1.0	1.9	52	044	1.0	1.6	61
0.6	282	2.2	4.8	45	047	3.1	4.6	67
0.7	282	2.1	4.9	42	035	3.1	4.6	67
0.9	312	1.9	5.1	38	013	2.7	4.7	56
1.5	320	2.7	5.8	47	009	3.2	5.1	62
2.1	323	2.9	6.2	47	003	3.3	5.5	59
3.1	324	2.4	5.9	40	337	2.7	5.9	47
3.6	310	1.9	5.6	34	315	2.7	6.0	45
4.5	284	1.6	5.4	30	285	3.3	6.5	51
5.8	265	1.1	5.4	20	271	4.9	7.7	64
6.0	260	0.9	5.3	17	270	5.2	8.0	65
7.6	161	0.6	5.3	12	262	7.2	9.9	73
9.5	115	1.6	6.3	26	250	10.0	12.2	82
10.6	108	3.1	7.0	43	244	11.1	13.4	83
12.3	111	5.1	8.8	59	237	11.3	14.1	80
14.1	101	8.5	11.9	71	226	9.5	12.8	73
16.6	089	12.8	14.1	91	174	2.6	8.1	32
18.5	093	12.8	13.6	94	100	4.9	6.9	71
20.5	088	12.5	12.9	97	088	7.1	7.9	89
24.0	085	16.0	16.4	98				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RAIPUR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	021	0.5	0.8	62	013	0.5	0.9	50
0.15	017	2.6	4.2	61	008	2.2	3.9	57
0.3	041	1.0	1.3	79	028	1.1	1.3	84
0.6	034	3.5	4.2	82	022	2.5	3.2	78
0.7	028	2.6	4.0	66	011	2.3	3.4	70
0.9	013	2.7	4.3	63	358	2.1	3.9	54
1.5	003	3.0	4.4	70	332	2.4	4.2	58
2.1	346	3.0	4.7	64	314	3.8	5.5	69
3.1	309	3.9	6.0	66	295	6.4	8.1	78
3.6	294	4.9	7.0	70	289	7.6	9.3	82
4.5	286	6.7	8.7	77	284	9.9	11.6	85
5.8	280	10.0	12.0	84	278	13.9	15.4	90
6.0	279	10.6	12.5	85	277	14.7	16.2	91
7.6	273	15.3	17.3	88	272	19.3	21.1	91
9.5	265	21.2	23.3	91	267	26.1	28.0	93
10.6	259	24.1	26.4	91	262	28.1	30.6	92
12.3	252	25.6	28.1	91	255	31.2	34.1	91
14.1	253	23.2	25.7	90	255	27.8	30.2	92
16.6	259	9.8	13.6	72	264	15.8	18.0	88
18.5	266	1.6	8.6	19	270	7.8	12.5	62
20.5	055	0.2	6.2	04	293	4.3	10.7	40
24.0	123	2.4	7.6	32				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	320	1.4	2.0	72	311	1.8	2.5	72
0.15	323	2.6	4.2	62	312	3.3	4.8	69
0.3								
0.6								
0.7	317	2.4	3.0	80	310	2.5	3.4	73
0.9	316	3.1	4.5	69	309	3.7	5.2	72
1.5	297	4.7	5.7	83	292	4.9	5.9	83
2.1	293	7.6	8.7	86	282	7.2	8.1	88
3.1	290	11.7	13.0	89	284	11.4	12.6	90
3.6	287	13.4	14.9	90	283	13.4	14.7	91
4.5	281	16.7	18.4	91	280	16.7	18.3	91
5.8	277	21.8	23.8	91	276	21.9	23.9	92
6.0	275	22.9	25.1	91	275	22.7	24.8	91
7.6	272	28.5	31.7	90	272	28.6	31.3	91
9.5	270	35.3	39.6	89	267	34.7	39.3	88
10.6	268	38.6	42.3	91	265	37.0	42.8	86
12.3	266	38.7	43.5	89	266	38.4	44.9	85
14.1	268	37.3	40.4	92	271	37.0	40.7	91
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	2.4	3.2	75	309	2.1	3.3	63
0.15	310	4.4	5.8	76	307	3.8	6.1	62
0.3								
0.6								
0.7	308	3.5	4.3	82	299	2.2	3.8	58
0.9	308	4.8	6.2	78	306	4.4	6.7	65
1.5	298	5.8	6.8	86	301	5.6	7.1	79
2.1	286	7.0	7.9	89	295	6.5	7.6	85
3.1	283	10.6	11.6	91	288	8.3	9.3	89
3.6	284	12.5	13.5	92	286	9.5	10.6	90
4.5	286	15.3	16.4	93	287	11.9	13.2	91
5.8	283	18.6	20.0	93	287	14.8	16.2	92
6.0	283	19.2	20.7	93	286	15.4	16.9	91
7.6	279	23.8	26.0	92	280	19.0	20.9	91
9.5	277	29.7	32.5	91	273	25.6	28.0	91
10.6	273	33.3	36.2	92	269	29.0	31.9	91
12.3	271	36.5	39.0	93	266	29.0	32.2	90
14.1	270	30.4	32.4	94	272	23.4	26.1	90
16.6	274	22.7	25.6	88	271	12.6	16.0	79
18.5	292	10.1	13.3	76	332	1.1	9.9	10
20.5					107	1.8	7.7	23
24.0					104	2.6	7.4	35
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	312	0.8	3.2	26	244	0.2	2.7	08
0.15	313	1.6	5.7	28	242	0.6	5.4	11
0.3								
0.6								
0.7	304	0.9	3.8	24	226	0.9	3.5	27
0.9	315	2.0	6.1	32	261	0.8	6.0	13
1.5	313	3.9	6.3	61	308	1.8	6.3	28
2.1	310	5.7	7.3	78	314	3.0	6.9	44
3.1	307	7.9	9.2	86	316	4.3	7.9	54
3.6	304	8.9	10.2	87	314	4.6	8.2	56
4.5	301	10.3	11.8	87	311	4.6	8.5	53
5.8	299	11.1	13.1	85	299	3.4	8.1	42
6.0	297	11.2	13.3	84	300	3.3	8.0	41
7.6	284	12.3	15.0	82	287	2.3	7.6	30
9.5	270	14.9	17.8	84	258	0.9	8.2	11
10.6	264	15.6	18.5	84	158	1.0	8.6	12
12.3	255	15.3	18.5	83	132	3.6	9.8	37
14.1	245	11.4	15.1	76	106	6.3	11.4	55
16.6	211	3.0	10.1	30	090	11.5	14.4	80
18.5	102	6.1	10.0	61	094	14.9	15.8	94
20.5	089	5.9	8.6	68	091	14.5	15.2	96
24.0	097	7.1	8.9	79	088	17.2	17.9	96
26.5	084	5.2	8.0	64	083	17.9	18.4	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	213	0.6	2.4	25	146	0.5	2.5	21
0.15	214	1.4	4.9	28	170	1.1	5.0	21
0.3								
0.6								
0.7	220	1.2	3.3	35	191	0.6	3.5	17
0.9	223	1.4	5.6	25	169	1.1	5.8	20
1.5	261	1.1	6.4	17	165	0.9	6.4	14
2.1	279	1.2	6.5	18	151	0.9	6.4	14
3.1	271	0.6	6.4	09	129	1.3	6.4	21
3.6	264	0.2	6.4	04	120	1.5	6.5	23
4.5	098	0.6	6.3	09	101	1.8	6.5	28
5.8	089	1.9	6.7	28	094	2.6	6.5	40
6.0	089	2.1	6.6	31	090	2.8	6.5	42
7.6	088	3.6	7.0	52	087	4.3	7.0	61
9.5	089	6.5	8.8	74	086	6.0	8.0	75
10.6	089	8.6	10.6	82	090	8.1	9.9	82
12.3	087	11.8	13.4	88	086	11.3	13.2	85
14.1	083	15.7	17.6	89	082	15.1	16.8	90
16.6	081	23.3	24.9	94	082	19.8	21.0	94
18.5	087	23.7	24.7	96	091	19.9	20.7	96
20.5	088	22.0	22.6	97	090	18.1	18.8	96
24.0	088	24.4	24.8	98	092	21.8	22.5	97
26.5	086	31.5	31.8	99	088	24.1	24.9	97
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	134	0.2	2.1	11	357	0.5	1.5	36
0.15	148	0.4	4.5	08	359	1.5	3.9	40
0.3								
0.6								
0.7	246	0.2	2.8	06	012	0.9	2.1	43
0.9	138	0.4	5.1	08	359	1.7	4.1	41
1.5	242	0.3	5.8	05	340	2.0	4.4	45
2.1	266	0.5	5.9	08	320	2.3	4.8	48
3.1	242	0.8	6.0	13	295	3.1	5.7	54
3.6	239	0.7	6.1	12	286	3.7	6.1	61
4.5	207	0.8	6.1	14	277	5.0	7.2	70
5.8	210	0.9	6.1	15	274	7.0	9.0	77
6.0	205	1.0	6.2	15	272	7.3	9.3	78
7.6	203	0.7	6.3	12	265	9.8	11.9	83
9.5	169	1.0	6.8	15	258	12.5	14.7	85
10.6	137	1.6	7.2	22	258	13.4	15.8	85
12.3	121	3.2	8.9	36	252	13.7	17.0	81
14.1	104	5.2	10.0	51	253	12.4	16.0	77
16.6	096	10.4	12.8	81	257	6.4	10.9	58
18.5	098	11.2	12.1	93	124	2.8	7.3	39
20.5	095	11.0	11.9	92	098	5.9	8.2	71
24.0	090	14.8	15.6	95				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : RANCHI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	341	1.0	1.4	71	328	1.2	1.6	75
0.15	349	2.5	4.0	62	333	2.8	4.0	69
0.3								
0.6								
0.7	342	1.4	2.4	59	332	2.0	2.7	75
0.9	347	2.7	4.2	63	328	3.1	4.3	73
1.5	331	2.9	4.4	66	308	4.1	5.1	80
2.1	309	3.6	5.2	70	301	6.1	7.1	85
3.1	297	6.0	7.4	81	295	9.2	10.4	88
3.6	291	7.3	8.8	84	291	10.6	11.9	89
4.5	286	9.1	10.8	84	286	13.0	14.4	90
5.8	281	12.8	14.5	88	281	17.7	19.1	92
6.0	280	13.2	14.9	89	280	18.5	19.8	93
7.6	276	18.0	20.1	89	276	24.4	26.1	93
9.5	270	23.6	25.7	92	271	30.4	32.4	94
10.6	266	26.0	28.4	91	267	33.6	35.6	94
12.3	263	27.1	30.0	90	264	36.0	38.1	94
14.1	263	25.0	27.5	91	265	32.9	34.9	94
16.6	270	13.0	15.1	86	270	17.0	19.7	86
18.5	281	3.2	8.3	39	308	5.8	11.3	51
20.5	277	3.4	6.5	52				
24.0	257	2.8	7.0	40				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	232	0.5	0.8	67	239	0.7	1.1	61
0.15	225	1.7	2.6	65	225	1.5	3.1	50
0.3	225	1.7	2.6	65	225	1.6	3.1	50
0.6	231	1.6	2.5	64	232	1.9	3.2	58
0.7	238	1.6	2.5	63	233	2.1	3.4	61
0.9	233	1.3	2.3	55	234	2.0	3.2	63
1.5	244	0.6	2.5	23	251	2.2	3.6	60
2.1	284	1.4	3.7	38	272	3.8	5.2	72
3.1	286	7.3	8.6	85	280	9.3	10.2	91
3.6	283	11.0	12.0	92	280	12.3	13.2	93
4.5	282	15.8	16.5	96	280	16.6	17.4	95
5.8	281	21.3	22.5	95	279	21.5	22.7	95
6.0	280	22.2	23.4	95	279	22.5	23.8	94
7.6	277	29.2	31.0	94	276	29.0	30.7	94
9.5	275	35.4	37.9	93	273	36.1	38.8	93
10.6	272	37.9	40.8	93	271	38.9	41.9	93
12.3	270	37.7	41.6	91	272	38.6	41.1	94
14.1	273	32.1	34.6	93	274	35.5	38.0	93
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	240	0.6	1.5	41	090	0.3	1.7	20
0.15	222	1.3	3.7	35	106	1.1	3.8	30
0.3	223	1.3	3.7	35	107	1.1	3.9	29
0.6	234	1.8	3.8	47	130	0.8	3.9	21
0.7	240	2.0	3.7	55	184	0.9	4.0	22
0.9	241	2.3	3.9	59	206	0.8	4.1	19
1.5	254	3.4	4.6	75	252	3.0	5.0	60
2.1	264	4.8	5.8	82	264	5.8	7.0	84
3.1	279	8.9	9.7	91	276	8.7	9.5	91
3.6	281	11.2	12.0	94	280	9.8	10.6	92
4.5	281	15.3	15.9	96	281	12.3	13.0	94
5.8	282	18.6	19.4	96	281	14.3	15.5	92
6.0	282	19.3	20.2	95	282	14.6	15.8	92
7.6	280	24.2	25.9	94	282	17.5	19.2	91
9.5	277	29.7	32.4	92	280	21.6	24.0	90
10.6	274	32.8	35.8	92	277	24.7	27.2	90
12.3	272	33.6	36.0	93	274	27.8	30.4	91
14.1	274	29.7	31.5	94	276	25.5	27.6	92
16.6	274	24.4	25.9	94	279	17.0	19.2	88
18.5	283	14.9	18.2	81	275	4.8	10.3	46
20.5					272	3.5	8.9	40
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	089	0.8	1.2	67	078	0.8	1.1	69
0.15	096	2.1	3.2	66	089	2.0	3.1	65
0.3	096	2.2	3.3	66	089	2.0	3.1	65
0.6	101	2.1	3.3	65	099	2.3	3.4	69
0.7	105	1.8	3.1	60	097	2.4	3.3	72
0.9	108	1.7	3.3	53	111	2.2	3.6	62
1.5	195	0.7	3.7	17	128	1.6	4.1	38
2.1	263	3.0	5.2	57	160	1.0	5.1	19
3.1	276	5.8	7.3	80	248	1.0	5.8	17
3.6	280	6.7	8.0	83	263	1.5	6.0	25
4.5	283	7.8	9.0	86	269	2.2	6.2	36
5.8	279	9.7	10.9	89	264	3.5	7.0	49
6.0	278	10.0	11.2	89	266	3.6	7.1	50
7.6	276	12.5	14.2	88	265	4.7	7.9	59
9.5	269	16.3	18.6	87	265	5.7	9.0	63
10.6	265	18.7	21.0	89	262	5.9	9.3	64
12.3	262	20.5	22.6	91	262	5.8	10.1	57
14.1	262	18.9	20.9	90	267	4.1	10.0	41
16.6	265	11.4	14.9	77	072	2.0	9.3	22
18.5	246	2.5	9.7	26	095	7.8	10.4	75
20.5	107	3.4	7.7	44	091	9.7	11.7	83
24.0	111	2.8	5.3	53				
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	080	0.7	1.0	72	076	0.5	0.9	57
0.15	091	2.0	3.1	66	092	1.5	2.8	54
0.3	091	2.1	3.1	67	093	1.5	2.8	54
0.6	099	2.4	3.4	70	102	1.9	3.2	60
0.7	099	2.1	3.2	67	099	2.0	3.1	62
0.9	108	2.6	3.8	68	109	2.2	3.6	63
1.5	114	3.0	4.6	65	114	2.9	4.7	63
2.1	117	2.9	5.1	56	114	3.4	5.3	63
3.1	118	2.6	5.4	49	110	3.6	5.8	62
3.6	114	2.4	5.3	46	113	3.3	5.7	58
4.5	117	2.1	5.5	38	113	2.6	5.5	47
5.8	115	1.6	5.6	29	111	1.9	5.1	38
6.0	118	1.6	5.5	29	111	1.9	5.1	37
7.6	096	1.6	5.1	31	096	2.0	4.8	40
9.5	074	2.4	6.1	39	072	2.7	5.7	47
10.6	066	3.6	6.7	53	062	3.7	6.7	54
12.3	065	5.3	8.7	60	064	4.8	8.0	59
14.1	062	6.9	10.5	66	061	6.3	9.5	66
16.6	072	10.9	12.9	85	078	11.0	12.6	87
18.5	083	13.9	14.8	94	090	11.7	13.9	84
20.5	084	14.6	15.6	94	090	13.3	14.2	93
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	092	0.5	0.9	50	203	0.1	0.7	17
0.15	111	1.2	2.7	43	200	0.8	2.3	33
0.3	112	1.2	2.8	44	200	0.8	2.3	33
0.6	113	1.3	2.9	45	209	0.8	2.4	35
0.7	114	1.4	2.9	46	205	0.8	2.0	41
0.9	117	1.5	3.2	45	212	0.8	2.5	31
1.5	124	1.5	3.9	39	205	0.5	2.8	17
2.1	126	1.4	4.3	34	222	0.6	3.3	18
3.1	126	1.2	4.5	26	282	1.4	4.3	33
3.6	144	0.9	4.6	20	285	2.6	5.1	51
4.5	212	0.8	5.0	16	274	5.6	7.3	77
5.8	248	1.9	5.7	33	270	9.8	11.2	87
6.0	248	2.1	5.8	36	269	10.4	11.8	88
7.6	257	2.9	6.2	46	266	14.4	16.0	90
9.5	261	3.7	7.4	50	263	18.3	20.1	91
10.6	262	4.0	8.3	48	261	19.5	21.4	91
12.3	263	3.5	8.9	40	260	19.9	22.2	90
14.1	282	1.3	8.2	16	259	17.6	19.7	89
16.6	091	3.4	8.0	43	260	10.9	13.7	79
18.5	093	6.7	8.8	76	245	4.9	9.6	50
20.5	093	8.9	10.1	88	218	1.4	9.4	15
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SILIGURI

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	221	0.1	0.4	34	234	0.2	0.5	50
0.15	207	0.6	2.0	33	223	1.2	2.1	56
0.3	202	0.7	2.1	33	223	1.2	2.2	55
0.6	217	0.9	2.1	43	229	1.3	2.1	60
0.7	229	0.8	1.8	42	235	1.0	1.9	53
0.9	217	0.9	2.2	41	232	1.1	2.0	52
1.5	203	0.5	2.5	21	198	0.3	2.3	14
2.1	251	0.3	3.2	10	303	0.6	3.4	19
3.1	295	3.2	5.5	58	287	5.4	7.4	74
3.6	286	6.1	7.8	78	284	8.8	10.2	86
4.5	282	10.8	11.8	91	283	14.1	15.1	93
5.8	281	15.9	17.1	93	282	19.0	20.1	94
6.0	280	16.4	17.7	93	282	19.8	20.9	94
7.6	276	22.5	24.1	93	280	26.0	27.7	94
9.5	272	29.0	31.0	94	276	32.6	34.8	94
10.6	271	31.6	33.8	94	274	35.0	37.3	94
12.3	267	32.6	34.9	93	273	35.9	38.4	93
14.1	269	29.4	31.3	94	273	32.7	34.7	94
16.6	270	20.2	22.4	90	274	25.3	27.0	94
18.5	268	12.1	16.7	72	282	17.9	21.0	85
20.5	278	10.6	15.3	69				
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	274	0.2	0.5	35	285	0.2	0.8	23
0.15	313	0.4	2.0	20	290	0.8	2.5	32
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	103	0.1	2.0	02	266	0.3	2.4	12
3.1	142	2.2	3.4	64	141	2.3	3.6	64
3.6	153	3.6	5.0	72	153	3.4	4.8	71
4.5	181	4.7	6.8	69	181	4.5	6.6	69
5.8	233	7.8	11.1	70	230	7.3	10.9	67
6.0	240	8.9	12.2	73	237	8.2	11.9	69
7.6	259	16.0	19.3	83	257	15.1	18.7	80
9.5	267	25.2	28.7	88	262	24.1	27.9	86
10.6	269	29.2	32.6	89	265	29.1	32.8	88
12.3	269	33.3	36.7	91	269	34.6	37.8	91
14.1	275	31.5	33.4	94	277	36.0	37.9	95
16.6								
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	297	0.5	1.1	48	294	0.4	1.3	32
0.15	299	1.5	2.9	50	301	1.4	3.2	44
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	300	0.9	2.8	32	299	0.9	3.1	30
3.1	140	2.5	3.9	64	146	1.3	3.5	37
3.6	153	3.3	4.8	69	163	1.5	4.2	37
4.5	188	3.9	6.4	62	210	2.3	5.5	41
5.8	240	7.2	10.4	69	250	4.9	8.7	57
6.0	245	8.1	11.5	71	256	5.7	9.5	60
7.6	261	14.3	18.1	79	271	10.5	14.4	73
9.5	267	23.3	27.1	86	275	16.6	20.7	80
10.6	269	28.1	32.0	88	274	20.5	24.7	83
12.3	274	31.9	35.7	89	277	26.6	30.3	88
14.1	280	32.9	35.8	92	277	26.5	30.1	88
16.6					274	21.2	23.8	89
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	262	0.2	1.3	18	306	0.3	1.1	31
0.15	295	0.7	3.2	22	305	0.7	2.8	26
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	307	0.5	3.3	16	319	0.8	3.0	28
3.1	196	0.4	3.5	11	300	1.8	3.6	50
3.6	214	0.8	4.0	20	294	2.2	4.0	54
4.5	249	2.2	5.4	41	296	2.5	4.8	51
5.8	268	4.6	7.9	58	296	4.0	6.8	58
6.0	273	5.2	8.6	61	294	4.4	7.2	61
7.6	276	9.7	13.1	74	284	9.1	11.9	76
9.5	276	15.6	19.1	81	276	16.1	19.0	85
10.6	275	19.7	23.5	84	274	19.5	22.6	86
12.3	275	25.4	29.3	87	277	22.1	25.4	87
14.1	271	25.8	28.3	91	273	21.2	23.7	89
16.6	271	17.5	20.2	86	271	8.3	14.5	57
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	263	0.1	0.9	14	246	0.1	0.8	15
0.15	296	0.4	2.6	14	283	0.4	2.4	16
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	347	0.5	2.7	17	341	0.4	2.4	17
3.1	314	1.0	3.1	33	317	1.1	2.8	39
3.6	293	1.3	3.4	38	295	1.2	3.2	39
4.5	274	1.1	3.7	30	255	1.1	3.5	32
5.8	290	1.8	5.2	34	261	2.0	4.9	40
6.0	287	2.3	5.8	40	265	2.5	5.3	47
7.6	274	6.6	9.6	68	265	6.4	9.3	68
9.5	269	10.3	13.9	75	263	10.2	13.0	79
10.6	267	12.0	15.6	77	261	12.2	14.9	81
12.3	266	13.9	17.4	80	259	14.3	17.4	82
14.1	270	11.9	15.7	76	261	13.8	17.1	80
16.6	274	2.0	10.0	20	260	5.8	11.3	51
18.5	079	5.5	8.6	64	146	1.2	8.2	14
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	284	0.2	1.0	22	300	0.3	0.7	40
0.15	306	0.8	2.7	28	317	1.0	2.3	42
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	311	0.8	2.8	30	301	0.8	2.4	35
3.1	309	1.0	3.1	31	224	0.3	2.8	11
3.6	279	1.0	3.4	30	210	0.8	3.4	24
4.5	245	1.2	4.0	29	208	1.7	4.4	38
5.8	262	2.6	5.8	45	251	3.5	6.7	53
6.0	262	3.2	6.5	50	256	4.4	7.3	59
7.6	266	8.6	11.3	76	269	11.1	13.7	81
9.5	264	16.2	18.7	87	269	18.6	21.1	88
10.6	265	19.9	22.1	90	269	23.7	26.1	91
12.3	265	22.7	25.1	90	270	28.0	30.4	92
14.1	264	21.6	23.3	93	270	30.4	32.9	92
16.6	268	14.3	15.9	90				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : SRINAGAR

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	307	0.2	0.5	49	316	0.1	0.3	22
0.15	323	0.9	1.9	45	341	0.5	1.8	25
0.3								
0.6								
0.7								
0.9								
1.5								
2.1	307	0.4	1.9	21	127	0.2	1.9	10
3.1	144	1.1	2.7	41	143	1.4	2.8	50
3.6	154	1.8	3.5	52	149	2.8	4.2	66
4.5	180	2.6	4.8	53	180	3.8	6.0	63
5.8	245	5.1	8.3	61	236	7.2	10.4	69
6.0	252	6.0	9.3	65	243	8.4	11.4	73
7.6	266	13.6	16.4	83	259	15.4	18.3	84
9.5	268	22.0	25.2	87	264	24.1	27.1	89
10.6	272	26.4	29.5	89	266	29.3	32.4	90
12.3	274	29.9	33.1	90	270	33.7	36.4	93
14.1	271	34.1	36.2	94	272	35.3	37.1	95
16.6	275	24.7	26.2	94				
18.5								
20.5								
24.0								
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	248	1.9	2.4	81	250	2.6	3.2	84
0.15	247	2.8	3.6	79	249	3.5	4.2	82
0.3	249	2.7	3.5	76	249	3.5	4.2	82
0.6	257	1.3	3.2	42	249	2.3	3.8	61
0.7	349	2.4	6.2	39	264	1.7	3.2	53
0.9	025	1.4	3.4	42	345	0.5	3.4	15
1.5	047	4.8	5.5	88	048	4.8	5.6	86
2.1	053	4.5	5.6	79	052	5.9	6.7	87
3.1	067	2.9	5.3	55	063	3.6	5.8	61
3.6	074	3.1	5.5	56	070	2.9	5.7	50
4.5	077	3.9	6.2	62	072	2.9	6.2	47
5.8	076	4.5	7.5	60	072	3.3	7.3	46
6.0	075	4.5	7.6	59	072	3.3	7.5	44
7.6	072	3.1	8.2	38	055	2.8	8.6	33
9.5	148	1.6	8.4	19	133	1.1	9.1	12
10.6	170	4.0	9.7	41	165	2.8	9.7	28
12.3	169	5.8	12.1	48	159	4.6	11.8	39
14.1	164	5.0	13.0	38	147	4.2	12.3	34
16.6	110	3.3	9.3	36	101	2.8	8.8	32
18.5	123	1.5	7.1	20	212	0.8	7.1	12
20.5	138	0.8	10.2	08	254	2.3	10.0	23
24.0	094	4.7	13.7	35	093	3.4	14.2	24
26.5	097	7.5	17.2	43	101	7.1	17.5	41
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	255	2.9	3.7	78	277	3.3	4.2	78
0.15	255	3.8	4.9	78	281	4.5	5.8	78
0.3	254	3.8	4.9	77	280	4.5	5.9	77
0.6	248	2.7	4.4	61	280	4.0	5.7	70
0.7	253	2.0	4.0	50	288	3.5	5.2	66
0.9	237	0.4	3.9	11	294	2.6	5.0	52
1.5	056	4.9	5.8	84	032	2.9	4.8	60
2.1	057	7.6	8.3	92	052	5.4	6.5	84
3.1	063	7.0	8.2	85	061	6.8	7.8	87
3.6	071	5.6	7.1	78	064	5.9	7.2	82
4.5	077	4.3	6.3	68	071	3.9	6.0	65
5.8	073	3.8	6.6	58	077	3.3	6.2	52
6.0	073	3.7	6.8	55	077	3.1	6.3	49
7.6	061	1.8	7.8	23	069	2.0	7.2	28
9.5	224	1.5	8.7	17	232	0.7	7.6	09
10.6	214	3.0	9.8	31	198	2.2	8.1	27
12.3	207	4.3	11.5	38	183	3.5	9.6	36
14.1	209	3.0	11.8	25	163	2.2	10.0	22
16.6	107	2.6	8.6	30	102	4.4	8.3	53
18.5	134	0.8	7.1	11	098	1.7	7.4	23
20.5	261	2.2	9.4	24	259	0.4	9.3	04
24.0	089	3.9	12.8	30	094	6.6	14.1	47
26.5	098	7.6	17.2	44	097	8.2	17.6	47
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	292	4.4	5.0	88	298	5.3	6.0	89
0.15	295	6.3	7.0	91	301	7.8	8.3	93
0.3	295	6.6	7.2	91	300	8.3	8.9	94
0.6	296	7.2	7.9	91	296	10.5	11.1	95
0.7	299	7.1	7.8	92	299	10.6	11.1	95
0.9	300	6.9	7.8	88	296	12.0	12.6	95
1.5	313	5.3	6.8	77	295	12.8	13.5	95
2.1	335	3.6	6.4	56	292	12.4	13.2	94
3.1	028	2.8	6.8	42	284	11.0	12.1	90
3.6	038	2.8	6.9	41	281	9.8	11.2	87
4.5	033	1.8	6.3	29	277	7.7	9.3	82
5.8	359	0.7	6.0	12	274	4.7	6.9	67
6.0	357	0.7	5.9	12	275	4.2	6.6	64
7.6	030	0.9	5.9	16	347	0.7	5.6	13
9.5	085	1.5	5.8	26	071	5.1	7.8	66
10.6	095	2.7	6.6	41	081	9.1	11.0	82
12.3	099	6.2	9.4	65	082	18.6	19.8	94
14.1	095	11.3	13.8	82	082	28.1	29.0	97
16.6	094	12.4	13.9	89	089	25.0	25.8	97
18.5	092	5.7	8.6	66	088	13.2	14.2	93
20.5	091	4.4	9.2	48	087	10.3	12.0	85
24.0	094	11.7	16.2	72	094	15.8	17.5	90
26.5	095	15.7	20.6	76	092	18.9	20.5	92
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	308	6.0	6.5	93	307	6.0	6.4	93
0.15	307	8.7	9.1	96	306	8.7	9.1	96
0.3	306	9.3	9.7	96	306	9.3	9.7	96
0.6	304	11.4	11.8	96	305	11.1	11.5	96
0.7	305	12.4	12.8	97	308	11.3	11.6	97
0.9	303	12.9	13.4	96	307	12.2	12.7	96
1.5	303	13.7	14.2	96	305	12.7	13.3	96
2.1	298	13.1	13.8	96	300	12.0	12.6	95
3.1	289	11.2	12.0	94	288	10.1	10.9	93
3.6	285	9.7	10.5	92	284	8.8	9.7	90
4.5	281	6.7	8.1	82	280	6.3	7.6	83
5.8	283	3.2	6.0	54	281	3.0	5.6	54
6.0	286	2.5	5.8	44	284	2.5	5.4	45
7.6	080	2.0	6.0	34	078	2.0	5.5	37
9.5	088	7.8	9.6	82	096	8.1	9.5	85
10.6	088	13.0	14.2	92	094	14.0	14.9	94
12.3	082	23.2	24.0	97	085	24.5	25.1	98
14.1	082	32.8	33.5	98	083	33.5	34.2	98
16.6	088	26.8	27.4	98	088	25.0	25.7	97
18.5	089	16.0	16.6	96	090	15.0	15.5	97
20.5	089	15.6	16.3	95	090	14.9	15.6	95
24.0	094	19.9	20.9	95	094	18.6	19.5	95
26.5	093	25.5	26.2	97	091	20.2	21.2	95
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	300	4.8	5.3	91	288	2.8	3.5	81
0.15	300	7.2	7.6	95	288	4.4	5.3	82
0.3	300	7.6	8.0	95	288	4.6	5.5	83
0.6	300	8.5	9.1	94	288	4.8	6.0	81
0.7	303	8.7	9.2	95	292	4.7	6.0	78
0.9	302	8.8	9.4	93	293	4.5	6.0	74
1.5	303	8.3	9.2	91	306	3.5	6.1	58
2.1	297	7.4	8.5	87	312	3.0	6.2	48
3.1	287	6.3	7.7	82	297	3.0	6.3	48
3.6	284	5.6	7.2	79	290	2.8	6.2	45
4.5	285	3.9	5.9	66	286	1.5	5.7	26
5.8	293	1.3	4.9	26	048	0.5	5.4	09
6.0	305	0.8	4.8	16	066	0.7	5.4	13
7.6	089	2.8	5.7	50	093	2.6	5.6	47
9.5	099	7.7	8.8	88	098	5.6	7.3	76
10.6	096	12.3	13.1	94	098	8.3	9.7	85
12.3	088	20.0	20.7	97	091	13.1	14.3	91
14.1	087	27.0	27.8	97	093	16.9	18.4	92
16.6	091	18.3	19.0	96	092	10.4	11.9	88
18.5	090	11.7	12.6	92	089	6.9	8.9	77
20.5	090	12.5	13.5	92	093	7.7	10.8	71
24.0	094	16.4	18.2	90	093	12.6	16.0	79
26.5	093	17.4	19.6	89	095	13.9	17.3	80
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : THIRUVANANTHAPURAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	275	1.7	2.4	70	260	1.4	2.0	70
0.15	274	2.6	3.8	68	260	2.2	3.3	66
0.3	275	2.6	3.9	68	262	2.1	3.3	63
0.6	278	2.2	3.9	56	289	1.0	3.1	33
0.7	296	1.7	3.8	45	343	0.6	2.9	20
0.9	313	1.3	3.9	34	032	1.5	3.5	44
1.5	024	2.2	5.0	44	052	3.9	5.0	78
2.1	028	2.2	5.4	41	059	3.7	5.3	69
3.1	005	1.1	5.6	20	073	3.1	5.4	57
3.6	007	0.8	5.7	14	075	3.4	5.6	61
4.5	063	1.3	5.9	22	077	4.1	6.2	67
5.8	075	2.7	6.3	44	079	4.9	7.1	68
6.0	074	3.0	6.4	47	079	4.9	7.2	68
7.6	082	3.8	6.7	56	080	4.1	7.4	55
9.5	101	4.9	7.0	69	127	2.8	8.0	35
10.6	110	6.3	8.4	74	150	4.6	9.4	49
12.3	111	9.0	11.8	76	163	6.1	11.7	52
14.1	111	8.9	12.9	69	184	4.5	12.0	38
16.6	098	6.4	8.9	72	109	2.9	8.3	35
18.5	097	4.1	7.7	53	102	3.5	7.7	46
20.5	097	4.6	10.0	46	112	2.7	10.5	26
24.0	095	10.3	15.8	65	092	6.6	14.7	45
26.5	095	12.1	17.3	70	093	7.5	17.8	42
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	JANUARY				FEBRUARY			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	116	1.9	3.3	59	182	2.4	3.8	62
0.15	120	2.7	4.5	60	181	3.4	5.1	66
0.3	116	2.7	4.6	59	180	3.3	5.2	65
0.6	095	2.4	4.2	55	180	2.6	5.0	53
0.7	081	1.9	3.9	50	189	2.5	5.1	50
0.9	058	2.2	4.1	53	187	1.4	4.6	31
1.5	359	3.2	5.0	64	319	1.5	4.7	33
2.1	339	4.0	5.8	69	327	4.1	6.0	68
3.1	308	4.3	6.7	64	312	5.7	7.3	77
3.6	293	5.3	7.5	70	298	6.1	8.0	77
4.5	281	7.7	9.7	79	283	8.4	10.4	81
5.8	277	10.9	12.7	86	277	11.7	13.6	86
6.0	276	11.6	13.4	86	276	12.3	14.2	87
7.6	272	15.6	17.5	89	273	16.4	18.6	88
9.5	266	20.3	22.0	92	268	20.6	23.0	89
10.6	261	21.5	23.4	92	263	21.8	24.2	90
12.3	254	21.6	23.7	91	258	21.7	24.3	89
14.1	249	18.6	21.0	89	255	18.7	21.6	86
16.6	256	9.5	12.7	75	263	10.0	12.9	77
18.5	266	4.7	8.2	57	274	5.6	8.6	65
20.5	270	2.5	6.9	35	274	1.7	6.8	25
24.0	120	1.0	6.7	15	234	0.5	7.5	07
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	MARCH				APRIL			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	212	4.1	4.8	86	221	5.3	5.7	93
0.15	211	5.4	6.2	87	219	6.9	7.3	94
0.3	213	5.6	6.4	87	221	7.2	7.6	94
0.6	218	5.0	6.1	82	230	6.8	7.4	92
0.7	214	4.4	5.7	77	230	5.6	6.3	89
0.9	220	3.5	5.2	67	239	5.2	6.2	84
1.5	271	0.9	4.3	21	281	1.7	4.1	41
2.1	340	2.8	5.0	57	348	2.0	4.3	48
3.1	333	5.6	7.2	78	360	3.9	5.8	67
3.6	327	5.9	7.6	77	356	4.4	6.5	69
4.5	306	5.9	8.1	73	335	4.6	7.0	65
5.8	285	8.6	10.7	80	292	5.9	8.6	68
6.0	282	9.1	11.3	81	288	6.4	9.1	70
7.6	275	13.0	15.4	84	275	10.4	12.8	81
9.5	268	18.0	20.4	88	268	14.7	17.3	85
10.6	264	20.1	22.6	89	264	16.7	19.5	86
12.3	259	20.8	23.1	90	259	17.9	20.6	87
14.1	259	17.9	20.4	88	261	14.6	17.1	85
16.6	263	9.0	12.2	74	267	4.1	10.0	41
18.5	280	3.3	8.2	41	072	1.0	7.6	14
20.5	271	1.7	6.6	26	094	2.3	6.3	37
24.0	138	1.4	6.7	20	096	5.0	8.0	62
26.5	112	0.8	8.2	10	090	6.0	9.1	65
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	MAY				JUNE			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	217	4.4	5.2	85	227	4.1	4.9	84
0.15	216	5.9	6.7	87	226	5.5	6.5	86
0.3	220	6.0	6.9	87	230	5.7	6.7	85
0.6	233	5.3	6.6	80	245	5.6	6.9	81
0.7	238	5.2	6.3	83	245	5.6	7.0	80
0.9	249	4.1	5.8	71	261	5.4	6.8	79
1.5	304	2.8	4.7	59	288	5.3	7.1	75
2.1	344	3.3	5.2	64	296	5.3	7.4	71
3.1	006	4.2	6.4	65	299	4.6	7.7	60
3.6	005	4.6	7.0	66	301	4.3	7.8	55
4.5	354	4.7	7.3	64	300	4.2	7.7	55
5.8	323	4.3	7.3	59	295	3.3	7.0	48
6.0	319	4.3	7.4	58	297	3.1	6.8	45
7.6	293	4.6	8.2	55	001	1.3	6.2	21
9.5	266	5.1	8.9	57	079	4.5	7.1	63
10.6	256	5.2	9.2	57	084	7.1	8.9	80
12.3	234	5.0	10.2	49	086	11.8	13.2	89
14.1	182	3.4	10.2	33	085	17.6	18.8	94
16.6	100	8.0	10.8	74	086	23.5	24.4	96
18.5	095	10.0	11.3	89	088	20.2	20.8	97
20.5	097	8.9	9.4	94	094	16.0	16.6	96
24.0	090	11.0	11.9	92	089	18.1	18.6	97
26.5	086	12.0	13.8	87				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	JULY				AUGUST			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	233	4.3	4.9	89	234	3.9	4.6	86
0.15	233	5.9	6.6	89	235	5.3	6.2	86
0.3	237	6.2	6.9	89	239	5.6	6.5	86
0.6	250	6.7	7.6	89	253	5.9	6.9	86
0.7	254	7.0	7.8	90	256	6.0	7.1	84
0.9	263	6.8	7.8	88	265	6.1	7.2	85
1.5	280	7.3	8.4	87	283	6.7	8.0	83
2.1	284	7.6	8.8	85	284	7.0	8.5	82
3.1	278	7.0	8.5	82	278	6.4	8.1	79
3.6	274	6.5	8.2	79	275	6.0	8.1	75
4.5	275	5.4	7.7	70	277	4.8	7.6	64
5.8	282	2.7	6.6	41	290	2.5	6.7	37
6.0	287	2.1	6.3	33	292	2.1	6.6	32
7.6	057	2.1	6.1	35	064	1.9	6.5	30
9.5	084	7.2	8.9	80	085	6.8	8.5	80
10.6	087	11.2	12.2	92	088	10.4	11.6	90
12.3	083	18.1	18.8	96	084	16.7	17.5	96
14.1	078	24.7	25.6	97	079	22.4	23.3	96
16.6	084	31.5	32.3	98	084	28.0	28.8	97
18.5	086	24.7	25.3	97	087	23.2	23.6	98
20.5	090	20.3	21.0	97	091	20.1	20.5	98
24.0	089	22.6	23.1	97	092	23.2	23.5	98
26.5	090	25.9	26.2	99				
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	SEPTEMBER				OCTOBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	221	2.6	3.9	68	089	1.5	3.6	41
0.15	219	3.6	5.2	68	096	2.1	4.9	43
0.3	222	3.6	5.4	67	091	2.3	5.2	45
0.6	236	3.1	5.4	57	074	2.7	5.4	51
0.7	241	3.3	5.7	59	068	3.4	5.8	58
0.9	256	2.5	5.3	47	060	3.1	5.6	56
1.5	298	2.5	5.7	44	045	3.7	6.2	59
2.1	311	2.9	6.1	47	036	3.5	6.3	55
3.1	302	2.4	6.0	41	041	2.0	5.5	36
3.6	290	1.9	5.8	33	052	1.0	5.2	19
4.5	273	1.1	5.7	20	129	0.6	5.2	11
5.8	118	0.2	5.7	03	141	0.6	5.4	11
6.0	095	0.5	5.6	08	138	0.5	5.5	10
7.6	087	2.5	5.9	42	186	0.8	5.9	13
9.5	093	5.5	7.4	75	183	1.5	6.7	22
10.6	091	7.7	9.0	86	178	2.2	7.5	29
12.3	090	11.8	12.9	92	163	3.5	9.3	38
14.1	085	16.2	17.4	93	143	5.2	10.9	48
16.6	088	20.3	20.9	97	107	8.0	10.5	76
18.5	090	16.7	17.2	97	098	7.9	8.9	88
20.5	095	14.3	14.9	96	097	8.8	9.6	92
24.0	088	16.0	16.6	96	093	11.5	12.1	95
26.5								
31.0								
33.0								
36.0								

NORMALS OF RAWIN DATA

TIME : 1730 IST

STATION : VISHAKHAPATNAM

Altitude	NOVEMBER				DECEMBER			
	DDD	VR	VM	SF	DDD	VR	VM	SF
Surface	066	3.5	4.4	80	079	3.2	3.8	84
0.15	069	4.8	5.9	82	080	4.3	5.1	85
0.3	068	5.2	6.1	85	077	4.5	5.2	86
0.6	061	5.7	6.4	88	065	4.5	5.1	88
0.7	058	5.4	6.1	88	056	4.2	4.8	89
0.9	052	5.6	6.5	87	046	4.3	5.0	86
1.5	038	4.9	6.5	74	017	4.0	5.3	76
2.1	029	3.5	5.9	60	002	3.5	5.4	65
3.1	027	1.9	5.2	36	332	2.2	5.3	42
3.6	021	1.2	5.2	24	309	2.6	5.8	44
4.5	322	0.9	5.6	16	290	3.9	6.9	56
5.8	300	2.0	6.6	30	280	6.1	8.9	69
6.0	297	2.3	6.9	34	279	6.5	9.3	70
7.6	278	4.4	8.3	53	270	10.2	12.8	80
9.5	257	7.8	10.7	73	264	15.2	17.5	87
10.6	245	9.6	12.1	79	256	17.0	19.6	87
12.3	230	11.3	14.1	80	246	18.9	21.7	87
14.1	227	10.4	13.5	77	244	17.1	19.5	88
16.6	210	2.7	8.2	32	250	7.5	11.3	66
18.5	103	1.2	6.2	19	277	1.6	7.3	22
20.5	096	2.5	5.8	44	073	0.2	5.6	03
24.0	093	6.0	7.7	78	088	2.9	6.4	45
26.5								
31.0								
33.0								
36.0								