

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore

PART-I

District : Bengaluru
 State : Karnataka

Lat : 13° 05' N
 Long : 77° 34' E
 Alt. : 924 m (amsl)

Month : March
 Year: 2017

Date	Air Temperature °C						PET(mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	15cm	15cm
	0700	1400	0700	1400	0700	1400		0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	31.8	13.0	20.0	31.0	18.0	18.6	3.9	22.2	31.6	24.0	29.0	26.4	26.8
2	32.2	11.6	20.8	31.2	17.6	17.6	4.0	21.6	33.4	23.6	30.0	26.0	27.0
3	31.0	16.4	20.0	30.2	16.4	19.4	4.1	23.4	32.8	24.0	30.0	26.6	28.8
4	31.2	16.0	21.8	30.4	20.0	21.6	3.5	23.2	34.6	24.2	33.0	25.6	31.8
5	31.8	19.4	21.8	31.8	20.4	22.0	4.5	23.6	36.0	24.6	33.8	25.0	32.6
6	33.8	21.4	23.6	30.0	21.0	21.8	4.2	24.6	35.0	25.8	32.0	26.6	28.0
7	31.2	20.4	22.0	30.8	21.0	21.0	3.5	25.0	35.0	26.0	33.0	28.4	31.0
8	32.0	20.0	22.0	29.6	21.4	20.8	3.8	25.4	34.5	27.0	33.2	28.4	31.4
9	31.8	19.8	21.8	30.6	19.6	20.6	3.7	22.4	36.0	23.6	33.8	24.0	31.8
10	32.4	20.6	22.0	31.2	20.4	21.4	4.4	22.6	35.8	23.8	34.0	24.4	32.0
11	33.0	18.8	21.6	31.8	20.0	21.6	4.1	23.8	37.0	24.6	35.8	25.4	34.6
12	32.4	19.2	21.8	31.4	19.6	21.8	3.9	23.8	37.4	24.6	36.0	25.8	34.8
13	33.8	19.8	22.4	31.8	20.0	22.0	4.3	23.8	37.0	24.8	35.6	25.6	33.8
14	33.0	21.8	23.8	32.0	21.4	21.8	4.3	22.6	37.8	23.8	36.0	24.6	35.4
15	33.0	20.4	21.6	28.8	20.0	20.8	4.5	25.6	37.0	26.6	35.6	26.8	33.4
16	30.0	19.0	21.4	29.0	19.8	20.4	4.0	25.0	36.8	25.8	35.6	26.6	33.6
17	30.8	18.4	21.8	31.6	20.0	21.2	3.5	23.0	36.6	24.6	35.8	25.4	34.4
18	32.8	21.0	22.2	31.4	20.8	21.8	4.3	25.0	36.4	25.8	35.0	26.6	33.8
19	33.4	21.6	22.8	32.0	21.0	22.4	4.5	26.0	37.8	27.2	36.4	27.6	34.8
20	34.2	21.6	23.6	31.4	22.0	22.0	4.7	26.0	38.0	27.4	36.6	28.0	35.0
21	32.8	21.8	23.2	31.0	21.0	22.4	4.3	24.6	37.4	25.8	36.0	26.6	35.8
22	32.6	21.4	23.4	31.6	20.8	21.6	4.4	25.6	37.8	26.0	36.6	27.0	35.2
23	33.0	20.0	23.4	31.0	20.0	21.4	4.6	23.4	38.0	24.8	36.6	25.6	35.0
24	33.6	18.8	22.0	32.8	19.4	21.6	4.4	24.8	37.8	25.6	36.8	26.6	36.0
25	34.2	18.2	23.8	32.0	19.4	21.4	4.6	24.6	38.0	25.8	36.8	26.8	35.8
26	34.4	19.0	21.8	33.2	20.2	22.4	4.5	25.8	39.0	26.0	36.8	27.4	36.0
27	35.4	21.4	23.4	33.4	21.6	21.8	5.1	26.0	39.6	27.6	37.8	27.8	36.4
28	35.0	20.8	23.0	33.4	20.2	21.6	4.9	26.6	39.8	27.8	37.6	28.8	36.8
29	35.2	20.8	23.2	33.0	21.0	21.4	4.8	26.8	39.8	27.8	36.8	28.0	36.0
30	35.0	20.4	23.0	33.0	21.2	21.6	4.9	27.6	38.8	28.0	36.0	28.8	35.6
31	35.0	20.8	23.4	33.2	20.4	22.0	5.0	24.6	39.2	25.8	37.6	27.0	36.0
Mean	33.0	19.5	22.3	31.5	20.2	21.3	4.3	24.5	36.8	25.6	35.0	26.6	33.5
Weekly mean													
Std.Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	32.3	20.1	22.1	30.8	20.5	21.3	4.0	23.9	35.6	25.1	33.7	26.0	31.6
Std.Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	32.3	19.9	22.1	30.9	20.2	21.4	4.1	24.1	37.0	25.1	35.7	25.9	34.2
Std.Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	33.4	20.5	23.2	31.7	20.5	21.8	4.5	25.0	37.8	26.1	36.5	26.9	35.4
Std.Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	35.0	20.5	23.0	33.2	20.8	21.8	4.8	26.2	39.4	27.2	37.1	28.0	36.1

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : March

Year: 2017

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.	Pr.	Rel. Hum.		Speed	Direction		SSH	Amount			Evap.
	(mm)	Hg.	%		(Km/hr)				(Octas)		(mm)	(mm)
	0700	1400	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	14.4	16.4	82	27	8.7	135	135	9.5	0.0	0.0	0.0	7.6
2	13.3	15.1	72	22	9.7	135	135	8.5	0.0	0.0	0.0	7.8
3	12.0	18.6	68	34	7.9	135	135	10.0	0.0	0.0	0.0	7.6
4	16.5	20.2	84	44	5.1	135	140	8.5	0.0	0.0	0.0	7.5
5	17.2	20.7	88	41	10.8	140	140	10.2	0.0	0.0	0.0	7.8
6	17.2	20.0	79	47	6.0	140	230	7.5	3.0	3.0	0.0	7.2
7	18.1	18.7	91	40	6.2	140	225	3.5	0.0	0.0	5.0	5.8
8	18.8	18.1	95	44	4.4	50	140	8.5	1.0	0.0	4.8	6.2
9	15.9	18.8	81	38	2.7	140	140	9.0	0.0	0.0	0.0	5.8
10	17.1	19.7	86	40	7.7	140	140	10.0	0.0	0.0	0.0	6.2
11	16.7	20.2	86	39	5.6	90	90	9.8	0.0	0.0	0.0	7.4
12	15.9	20.8	81	41	4.4	50	50	9.6	0.0	0.0	0.0	8.0
13	16.2	20.9	80	41	5.2	50	50	10.7	0.0	0.0	0.0	8.2
14	17.8	19.8	80	39	6.1	50	90	9.2	3.0	2.0	0.0	5.8
15	16.7	18.9	86	47	9.9	90	50	7.3	0.0	0.0	0.0	6.0
16	16.4	18.3	86	44	9.6	50	140	6.5	0.0	0.0	0.0	6.4
17	16.5	19.5	84	38	4.2	140	230	6.6	0.0	0.0	0.0	5.6
18	17.6	20.1	88	41	6.1	230	230	9.4	0.0	0.0	0.0	6.0
19	17.7	21.1	85	42	6.1	140	230	9.9	0.0	0.0	0.0	8.2
20	18.9	19.8	87	42	7.2	270	230	10.0	0.0	0.0	0.0	8.6
21	17.4	21.1	82	46	6.7	230	230	7.8	0.0	0.0	0.0	7.2
22	17.0	19.8	79	40	7.0	140	140	8.1	0.0	0.0	0.0	7.8
23	15.7	19.9	73	41	8.2	140	140	10.0	0.0	0.0	0.0	8.4
24	15.5	20.6	78	35	6.2	140	140	10.0	0.0	0.0	0.0	8.2
25	14.5	20.2	65	37	7.2	140	140	10.2	0.0	0.0	0.0	8.6
26	16.9	21.5	86	38	7.0	140	140	8.9	0.0	0.0	0.0	8.8
27	18.4	19.7	85	34	8.4	140	140	10.0	0.0	0.0	0.0	9.0
28	16.2	20.1	77	33	7.6	140	140	9.7	0.0	0.0	0.0	8.8
29	17.4	19.3	82	34	7.1	140	140	8.6	0.0	0.0	0.0	9.2
30	17.9	19.6	85	35	8.1	230	140	9.2	0.0	0.0	0.0	10.0
31	16.3	20.7	76	36	7.8	90	140	9.6	0.0	0.0	0.0	10.0
Mean	16.6	19.6	82	39	6.9	..	..	8.9	0	0	9.8	7.6
Weekly mean												
Std.Week No:10 (Mar 5 - Mar 11) No. of Days: 7												
Mean	17.3	19.4	87	41	6.2	...	...	8.4	0.6	0.4	1.4	6.6
Std.Week No:11 (Mar 12 - Mar 18) No. of Days: 7												
Mean	16.7	19.8	84	42	6.5	...	...	8.5	0.4	0.3	0.0	6.6
Std.Week No:12 (Mar 19 - Mar 25) No. of Days: 7												
Mean	16.7	20.4	78	40	6.9	...	...	9.4	0.0	0.0	0.0	8.1
Std.Week No:13 (Mar 26 - Apr 1) No. of Days: 7												
Mean	17.2	20.2	82	35	7.7	...	..	9.3	0.0	0.0	0.0	9.3

Note: Rainfall is in total