

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

District : Bengaluru

PART I

Lat: 13° 05' N

Month : August

State : Karnataka

Long:77°34' E

Year : 2017

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	15 cm	15 cm
	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	30.6	20.2	22.2	30.0	20.8	21.2	3.7	22.3	34.6	24.0	31.8	25.2	30.0
2	31.0	20.8	22.8	29.4	20.8	23.0	4.2	23.4	33.0	24.8	31.8	25.6	30.4
3	31.6	19.4	21.8	28.6	20.4	22.4	4.0	22.8	33.4	23.8	31.0	25.0	27.6
4	30.0	20.4	21.8	28.0	20.6	21.8	3.9	22.0	29.6	23.4	28.6	24.6	27.4
5	26.8	20.8	21.4	28.6	20.2	20.8	3.1	22.0	33.0	23.2	30.6	24.6	27.6
6	30.6	20.0	22.6	28.8	21.0	21.0	3.6	22.6	32.4	23.0	30.0	25.0	28.8
7	30.0	20.2	22.4	30.0	20.8	22.4	4.0	21.8	35.2	22.8	32.0	23.4	28.6
8	31.0	21.0	22.0	29.4	20.4	22.4	4.2	26.0	35.0	27.0	32.0	28.0	28.0
9	30.6	21.4	23.4	29.0	21.0	22.0	3.7	27.0	30.2	27.6	30.0	28.6	28.6
10	27.0	20.0	20.8	27.0	20.4	22.0	2.5	23.6	29.0	24.6	27.4	25.8	26.0
11	28.0	21.0	22.8	28.0	21.8	22.0	2.8	28.6	30.0	25.0	28.0	25.6	25.0
12	26.0	19.8	20.6	26.4	20.2	20.8	2.6	33.2	26.6	23.6	25.8	24.6	25.6
13	26.8	20.0	21.8	25.6	20.8	20.4	2.8	21.6	26.4	22.4	25.6	23.8	25.0
14	26.0	20.2	21.2	26.0	20.4	21.2	2.4	23.0	26.8	23.8	25.2	24.2	24.8
15	28.4	19.8	22.4	25.6	21.0	21.0	3.3	21.6	25.0	22.0	24.6	23.4	24.0
16	27.4	19.4	20.6	27.8	20.0	23.0	2.7	23.0	31.0	23.6	28.0	24.8	25.6
17	28.4	19.6	21.0	26.0	20.0	22.0	3.4	23.4	27.8	23.8	26.4	24.8	25.0
18	27.2	19.4	20.8	26.8	20.2	22.0	2.6	23.0	28.2	23.4	26.0	24.0	24.6
19	28.2	19.4	21.0	27.6	20.0	21.4	3.5	22.8	28.0	23.4	27.0	24.0	26.2
20	28.6	19.4	21.4	27.0	20.8	21.0	3.5	21.8	28.2	22.4	26.6	23.6	26.0
21	27.2	19.6	22.4	27.0	20.8	21.0	3.1	20.8	26.8	21.0	26.0	22.4	25.0
22	28.0	19.4	22.0	27.2	20.8	21.2	3.7	21.6	27.8	22.6	26.6	23.0	26.0
23	27.8	20.0	22.4	27.0	20.8	20.8	3.4	21.8	25.0	22.6	24.0	23.8	23.8
24	29.0	19.8	21.8	26.0	20.6	20.8	3.6	20.8	26.0	22.0	25.0	22.8	24.2
25	26.2	19.4	21.6	25.4	20.4	20.8	2.6	20.6	25.6	21.0	25.0	22.0	24.0
26	25.6	20.0	21.4	26.6	20.6	20.8	2.7	20.8	25.8	21.2	25.2	21.8	24.8
27	28.0	20.2	20.6	26.0	20.0	20.8	3.7	20.4	25.8	21.0	25.0	21.6	24.0
28	26.6	19.4	20.8	26.0	20.0	20.4	3.2	20.0	25.8	21.6	25.0	22.0	24.6
29	26.0	19.8	21.0	26.2	20.2	21.0	2.9	20.8	25.8	21.6	25.6	23.0	24.6
30	26.6	20.0	20.6	27.8	20.4	21.0	3.2	20.8	25.8	21.4	25.2	22.0	24.6
31	29.0	19.6	20.8	27.8	20.2	21.2	3.5	20.6	27.6	21.0	26.0	22.4	22.6
Mean	28.2	20.0	21.6	27.4	20.5	21.4	3.3	22.7	28.7	23.1	27.3	24.0	25.9
Std.Week No: 32 (August 6- August 12) No. of Days: 7													
Mean	29.0	20.5	22.1	28.4	20.8	21.8	3.3	26.1	31.2	24.8	29.3	25.9	27.2
Std.Week No: 33 (August 13 -August 19) No. of Days: 7													
Mean	27.5	19.7	21.3	26.5	20.3	21.6	3.0	22.6	27.6	23.2	26.1	24.1	25.0
Std.Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	27.5	19.7	21.9	26.6	20.7	20.9	3.2	21.2	26.5	21.8	25.5	22.8	24.8
Std.Week No:35 (August 27 - Sept. 02) No. of Days: 7													
Mean	27.2	19.8	20.8	26.8	20.2	20.9	3.3	20.5	26.2	21.3	25.4	22.2	24.1

PART- II

Time of Observtation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : August

Year : 2017

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr.	Rel. Hum. %	Speed		Direction		SSH	Amount				
	(mm) Hg.		(Km/day)			(Octas)						
	0700 LMT	1400 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT	0830 IST	0830 IST
1	17.6	19.1	88	44	7.9	270	230	5.0	2	3	0.0	4.2
2	17.3	22.3	83	57	7.5	270	270	10.1	2	2	0.0	5.6
3	17.2	21.4	88	57	9.0	230	230	8.0	2	3	0.6	4.8
4	17.5	20.3	90	57	10.6	230	270	6.2	6	3	0.0	4.6
5	17.1	18.8	89	48	10.0	230	270	0.0	6	3	1.0	3.6
6	17.8	18.7	86	48	9.3	270	230	3.1	3	3	1.4	3.8
7	17.5	21.2	86	51	9.6	230	270	8.5	3	1	0.0	3.2
8	17.1	21.4	86	53	8.6	270	315	8.5	0	0	0.0	3.4
9	17.3	20.4	80	53	7.0	315	45	5.2	0	2	0.0	4.8
10	17.8	20.7	96	64	5.0	270	315	0.1	2	1	55.0	2.8
11	19.0	19.9	91	58	3.5	270	315	2.5	0	2	0.0	3.6
12	17.5	18.8	96	59	5.4	270	230	0.5	2	3	14.0	2.4
13	17.9	17.8	91	61	4.9	230	230	2.1	4	3	0.0	3.0
14	17.5	19.3	93	64	3.3	230	230	0.0	1	2	0.0	2.0
15	17.9	18.7	88	65	4.9	270	270	6.5	6	4	6.8	2.4
16	17.2	22.7	95	66	6.2	230	270	2.0	1	1	11.0	3.6
17	17.0	20.9	91	70	8.0	230	225	5.5	1	0	0.0	3.2
18	17.4	20.8	95	65	7.8	270	270	0.1	0	1	15.0	3.8
19	17.0	19.9	91	57	9.2	225	225	5.5	1	3	1.4	1.3
20	18.1	18.8	95	57	8.0	270	230	6.0	3	3	11.6	2.4
21	17.5	18.8	86	57	9.3	230	230	2.2	4	3	10.6	2.6
24	17.8	19.1	90	58	9.5	230	230	7.1	4	3	0.0	3.2
23	17.5	18.4	86	56	8.6	230	230	3.8	2	3	1.0	3.4
24	17.5	18.5	90	62	6.3	230	320	6.0	4	6	11.0	1.6
25	17.3	18.6	89	65	6.6	320	270	0.0	8	6	27.6	2.0
26	17.8	18.5	93	58	8.8	270	270	0.0	6	4	1.0	2.0
27	17.2	18.9	95	62	9.0	270	230	5.7	6	6	7.8	2.0
28	17.1	18.2	93	59	9.4	230	230	2.7	6	5	8.4	1.8
29	17.3	19.1	93	62	11.6	230	230	0.0	6	4	0.0	2.4
30	17.9	19.0	98	53	10.7	230	230	1.3	4	4	0.0	2.8
31	17.4	19.4	95	54	6.1	230	230	5.2	4	4	14.6	2.2
Mean	17.5	19.6	91	58	7.8	3.9	3	3	199.8	3.0
Std.Week No: 32 (August 6 - August 12) No. of Days: 7												
Mean	17.7	20.2	89	55	6.9	4.1	1.4	1.7	70.4	3.4
Std.Week No: 33 (August 13 - August 19) No. of Days: 7												
Mean	17.4	20.0	92	64	6.3	3.1	2.0	2.0	34.2	2.8
Std.Week No: 34 (August 20 - August 26) No. of Days: 7												
Mean	17.6	18.7	90	59	8.2	3.6	4.4	4.0	62.8	2.5
Std.Week No: 35 (August 27 - Sept.02) No. of Days: 7												
Mean	17.4	18.9	95	58	9.4	3.0	5.2	4.6	30.8	2.2

Note: Rainfall is in total