

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

PART-I

District : Bengaluru

Lat : 13° 05' N

Month : August

State : Karnataka

Long : 77° 34' E

Year : 2018

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	26.8	18.2	20.8	27.0	20.0	20.8	2.9	21.8	27.8	22.6	26.6	23.4	25.0
2	27.6	17.4	21.0	27.0	20.8	21.0	2.7	20.8	28.6	21.6	27.0	22.4	26.6
3	28.4	19.2	21.2	26.8	20.6	20.4	3.8	20.6	27.8	21.4	26.0	22.0	25.8
4	28.0	17.8	20.8	27.0	20.0	21.0	3.3	21.0	27.8	22.0	26.0	23.4	25.0
5	27.6	19.6	21.8	26.6	20.4	21.4	3.3	20.8	27.6	21.2	26.4	22.6	26.0
6	27.6	19.0	21.2	27.0	20.6	21.0	3.4	21.0	26.0	22.0	25.6	23.4	25.0
7	27.6	18.6	20.2	25.0	19.8	20.8	3.2	20.0	25.8	21.6	25.0	22.6	24.6
8	25.4	19.4	20.2	25.2	20.0	21.0	2.6	20.6	26.0	21.0	25.0	22.0	24.6
9	26.0	19.2	21.4	26.8	20.6	20.8	2.5	21.0	26.6	22.0	26.0	23.2	25.8
10	28.0	19.6	20.2	26.0	20.0	20.6	3.7	20.8	26.6	21.6	26.0	22.8	25.8
11	26.2	18.6	20.0	25.4	19.8	20.4	2.7	20.0	26.0	20.8	25.6	21.6	25.0
12	25.6	19.0	21.0	25.0	20.4	20.2	2.6	20.0	26.2	20.8	25.8	21.0	25.2
13	24.4	18.6	21.0	24.0	20.0	20.0	2.5	19.6	26.0	20.0	25.4	21.6	25.0
14	24.8	18.4	20.8	25.0	20.0	20.4	2.7	21.0	25.0	21.6	24.0	22.0	23.4
15	25.2	19.0	20.2	25.2	19.8	20.6	2.6	20.8	25.2	21.6	24.6	22.0	24.0
16	25.8	19.4	20.6	25.0	20.0	20.4	2.7	20.0	26.0	20.8	24.8	21.0	24.6
17	25.6	19.5	20.6	26.0	20.2	21.0	2.7	20.2	26.6	21.0	26.0	22.0	25.0
18	27.6	19.2	20.8	26.8	20.2	21.0	3.5	21.0	26.0	21.8	26.0	22.8	25.2
19	27.6	19.2	21.6	27.0	20.8	20.6	3.5	20.8	26.6	21.0	26.0	21.6	25.4
20	27.2	19.0	20.2	26.2	19.8	20.6	3.2	20.4	26.8	20.8	26.0	21.2	25.0
21	26.8	18.4	21.0	27.6	20.0	21.6	3.0	21.4	28.0	22.6	26.8	23.0	26.0
22	28.8	18.4	21.4	26.4	20.6	21.0	4.0	22.0	28.6	23.0	27.2	23.8	26.6
23	26.8	19.2	21.8	26.0	20.6	21.6	3.3	20.8	28.2	21.0	27.0	22.4	26.4
24	29.2	18.0	20.6	27.0	19.8	21.2	3.5	21.6	28.4	22.0	26.8	22.4	26.0
25	27.6	19.0	20.4	27.8	20.0	21.0	3.2	21.8	28.0	22.4	27.0	23.0	26.6
26	28.8	19.2	20.8	27.6	20.0	20.6	3.5	21.6	27.8	22.0	26.4	23.0	26.0
27	27.8	18.2	20.0	26.0	19.8	20.4	3.3	21.0	26.8	21.8	26.0	22.4	26.0
28	26.8	18.4	20.8	26.8	20.0	20.8	2.8	21.0	27.8	22.0	27.0	22.8	26.6
29	27.2	18.4	21.2	26.2	20.8	20.8	2.9	21.6	27.2	22.0	26.4	22.8	26.0
30	27.8	18.4	20.2	27.0	19.8	20.6	3.4	21.0	27.0	22.0	26.6	23.4	26.2
31	27.4	19.8	21.4	27.8	20.6	21.0	3.2	20.8	27.6	21.6	26.6	22.4	26.0
Mean	27.0	18.8	20.8	26.3	20.2	20.8	3.1	20.9	27.0	21.6	26.1	22.5	25.5
Std. Week No: 32 (August 6- August 12) No. of Days: 7													
Mean	26.6	19.1	20.6	25.8	20.2	20.7	3.0	20.5	26.2	21.4	25.6	22.4	25.1
Std. Week No: 33 (August 13 -August 19) No. of Days: 7													
Mean	25.9	19.0	20.8	25.6	20.1	20.6	2.9	20.5	25.9	21.1	25.3	21.9	24.7
Std. Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	27.9	18.7	20.9	26.9	20.1	21.1	3.4	21.4	28.0	22.0	26.7	22.7	26.1
Std. Week No:35 (August 27 - Sept. 02) No. of Days: 7													
Mean	27.4	18.6	20.7	26.8	20.2	20.7	3.1	21.1	27.3	21.9	26.5	22.8	26.2

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : August

Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction			(Octas)			
	0700	1400	0700	1400	0700	0700	1400		0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.1	30.2	93	56	9.4	230	230	2.9	3	6	3.0	3
2	18.3	30.1	98	57	9.2	230	230	1.6	2	3	24.8	3.6
3	17.9	30.0	95	55	8.7	230	230	9.0	4	4	2.2	3.8
4	17.1	30.1	93	57	8.5	230	230	6.5	4	6	0.0	4.0
5	17.2	29.0	88	62	9.8	230	230	4.3	6	5	0.0	4.6
6	17.9	30.1	95	57	9.8	230	230	6.0	6	6	0.0	3.6
7	17.1	26.1	96	68	9.7	230	230	4.7	8	6	10.4	2.6
8	17.4	26.4	98	68	9.1	230	230	1.5	8	4	0.0	2.8
9	17.8	29.8	93	57	7.3	270	270	0.0	6	4	9.8	2.6
10	17.4	28.2	98	60	9.4	270	270	7.8	6	6	0.0	2.8
11	17.2	27.1	98	63	9.5	270	270	0.9	8	6	1.2	2.8
12	17.6	26.4	95	64	8.7	230	270	0.0	8	6	8.4	2.6
13	17.0	24.6	91	68	10.6	230	230	0.0	3	4	2.8	2.0
14	17.1	26.3	93	65	11.7	230	230	1.7	6	6	1.2	2.8
15	17.1	26.6	96	65	8.4	230	230	0.8	8	6	9.8	2.2
16	17.2	26.3	95	65	10.1	230	230	0.0	6	4	0.0	2.8
17	17.5	28.0	96	63	11.6	230	270	0.0	4	4	0.6	2.4
18	17.4	29.7	95	58	10.6	270	230	5.2	6	4	0.0	2.8
19	18.0	30.3	93	55	11.3	230	230	4.6	4	3	0.0	3.0
20	17.1	28.6	96	59	10.2	230	230	2.6	6	3	3.0	2.6
21	17.0	31.1	91	58	10.8	230	230	2.2	4	3	0.0	3.4
24	17.8	28.8	93	61	11.0	230	230	9.8	4	4	0.0	4.2
23	17.5	27.7	90	67	7.8	230	230	6.6	3	2	0.0	2.8
24	16.9	30.0	93	59	7.0	230	230	6.2	3	4	0.0	4.0
25	17.3	31.8	96	53	7.3	320	230	3.2	6	3	0.0	3.8
26	17.1	31.6	93	52	6.6	230	230	4.9	3	3	0.0	3.2
27	17.2	28.3	98	59	7.7	270	270	4.6	6	6	13.4	3.0
28	17.1	29.8	93	57	7.0	270	230	1.1	6	4	4.8	2.0
29	18.2	28.5	96	61	6.8	230	230	2.7	4	4	0.0	3.2
30	17.1	30.3	96	55	6.1	230	270	5.4	6	3	1.8	2.6
31	17.8	31.8	93	53	7.5	270	270	0.4	4	4	0.6	2.2
Mean	17.4	28.8	94	60	9.0	..	..	3.5	5	4	97.8	3.0
Std. Week No: 32 (August 6 - August 12) No. of Days: 7												
Mean	17.5	27.7	96	62	9.1	..	..	3.0	7.1	5.4	29.8	2.8
Std. Week No: 33 (August 13 - August 19) No. of Days: 7												
Mean	17.3	27.4	94	63	10.6	..	..	1.8	5.3	4.4	14.4	2.6
Std. Week No: 34 (August 20 - August 26) No. of Days: 7												
Mean	17.2	29.9	93	58	8.7	..	..	5.1	4.1	3.1	3.0	3.4
Std. Week No: 35 (August 27 - Sept.02) No. of Days: 7												
Mean	17.5	29.3	95	57	7.0	..	..	2.8	5.2	4.2	20.6	2.6

Note: Rainfall is in total