

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 : July
Year : 2018

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	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	27.4	19.8	21.6	27.4	20.8	21.2	3.3	23.0	29.8	23.6	28.0	23.4	27.0
2	27.8	19.6	22.2	29.0	21.0	21.2	2.7	24.0	30.0	25.6	28.6	26.0	27.2
3	30.2	19.8	21.0	28.8	20.2	21.0	4.1	22.8	30.4	23.6	28.8	24.4	27.6
4	30.0	19.4	22.0	28.0	20.8	21.2	3.9	25.0	31.6	26.0	28.0	26.8	27.8
5	29.0	18.0	22.0	28.8	20.8	21.4	3.3	24.6	32.0	25.8	30.8	26.8	29.0
6	29.6	19.2	20.6	26.6	20.0	20.8	4.2	24.0	29.0	24.6	28.6	27.0	28.0
7	26.6	20.2	22.4	26.6	21.0	20.8	3.1	23.6	28.8	24.4	27.0	25.8	26.0
8	27.0	19.6	21.0	27.0	20.6	21.0	2.9	21.8	29.0	22.0	27.8	23.4	26.8
9	28.0	19.4	22.4	27.0	20.8	20.0	3.1	21.6	29.0	22.4	27.8	23.4	27.0
10	27.2	19.6	22.0	27.2	20.8	20.6	3.2	21.6	27.8	22.0	26.4	23.0	26.0
11	27.4	19.4	21.6	26.4	20.4	20.8	3.1	21.0	26.8	22.0	26.0	23.4	25.0
12	26.6	19.0	21.8	25.2	20.2	20.6	2.8	20.8	24.8	21.0	24.0	22.2	23.8
13	26.2	19.8	21.0	26.0	20.4	20.8	3.1	20.2	24.4	21.0	24.0	22.0	24.0
14	26.8	19.4	21.6	26.2	20.6	20.2	3.3	20.0	25.0	20.8	24.8	21.6	24.2
15	27.2	20.0	20.0	26.6	19.8	20.8	3.4	20.6	24.8	21.0	24.0	22.0	24.0
16	27.2	19.2	20.2	26.8	20.0	21.2	3.7	20.0	25.6	20.8	24.6	21.0	24.0
17	27.8	19.0	20.6	25.2	19.8	21.0	3.5	20.8	24.6	21.6	24.0	22.0	23.0
18	27.0	18.8	20.0	26.6	19.6	20.8	3.5	20.6	26.6	21.0	25.6	21.8	24.4
19	28.6	19.0	21.6	26.8	20.4	21.0	3.8	21.0	26.0	22.0	24.8	22.8	24.0
20	27.2	19.6	21.0	26.0	20.6	21.2	3.0	20.8	26.4	21.8	26.0	22.4	24.8
21	26.8	19.8	21.2	26.6	20.6	20.8	3.6	21.0	26.0	22.0	25.0	23.2	24.2
22	27.0	20.4	21.6	26.8	20.4	21.0	3.1	21.0	25.8	22.4	24.4	23.0	24.0
23	28.0	19.6	22.0	27.0	20.6	20.8	3.6	20.6	27.0	21.4	26.0	22.2	25.6
24	27.8	19.4	22.0	27.0	20.8	20.8	3.3	20.6	27.0	22.0	26.0	22.8	24.8
25	27.8	19.2	22.0	27.2	20.8	21.0	3.2	21.6	26.8	22.6	26.0	23.0	25.0
26	27.6	19.8	21.8	26.8	21.0	20.8	3.5	21.6	28.0	22.0	26.6	23.8	26.0
27	27.8	19.6	21.2	26.8	20.0	21.2	3.6	21.6	27.8	22.8	26.0	23.8	25.4
28	27.6	19.4	21.4	27.0	20.6	21.0	3.3	20.8	27.6	22.0	26.6	23.2	26.0
29	28.0	20.0	21.6	27.4	20.8	21.2	3.6	20.8	27.4	21.8	26.8	22.8	26.0
30	28.2	19.8	20.6	28.0	20.2	21.6	3.4	20.6	30.0	21.4	28.8	22.0	27.4
31	28.4	19.4	21.8	26.6	20.8	21.0	3.3	22.8	28.8	23.8	27.0	24.6	26.6
Mean	27.7	19.5	21.4	26.9	20.5	20.9	3.4	21.6	27.6	22.5	26.4	23.4	25.6
Weekly mean													
Std.Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	28.6	19.4	21.6	27.8	20.6	21.1	3.5	23.7	30.1	24.6	28.5	25.7	27.5
Std.Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	27.1	19.5	21.5	26.4	20.4	20.5	3.1	20.8	26.1	21.5	25.3	22.5	24.9
Std.Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	27.4	19.4	20.9	26.4	20.2	21.0	3.5	20.7	25.9	21.7	24.9	22.3	24.1
Std.Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	27.8	19.6	21.7	27.0	20.7	21.0	3.4	21.1	27.4	22.1	26.3	23.1	25.5
Std.Week No:31 (July 30 - August 5) No. of Days: 7													
Mean	28.4	19.0	21.0	27.7	20.1	20.5	3.4	20.6	31.5	21.7	28.9	21.3	28.4

PART- II

Time of Observation :

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month : July

Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction			0700	1400		
	0700	1400	0700	1400	0700	0700	1400		0700	1400		
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT		
1	18.0	15.4	93	56	5.8	270	270	6.7	3	3	0.0	4.4
2	18.0	14.6	90	48	5.8	270	230	0	3	2	0.0	4.0
3	17.3	14.3	93	48	8.5	230	270	9.6	2	3	0.0	4.2
4	17.8	15.1	90	53	9.6	270	270	7.5	4	3	0.0	4.4
5	17.8	15.0	90	51	10.6	270	270	3.9	3	3	0.0	4.6
6	17.2	15.2	95	58	11.8	270	230	9.7	3	3	0.0	4.8
7	17.9	15.2	88	58	10.8	230	230	2.2	6	3	0.0	4.0
8	18.0	15.3	96	57	10.6	230	270	0.2	8	3	11.2	3.4
9	17.5	13.7	86	51	8.7	270	270	1.0	3	4	0.8	4.0
10	17.8	14.5	90	54	9.3	270	230	3.2	6	4	12.8	3.8
11	17.3	15.3	89	59	7.8	230	230	3.6	6	4	30.8	3.4
12	16.9	15.7	86	65	8.6	230	270	1.4	6	6	0.0	2.8
13	17.6	15.5	95	62	10.9	270	270	2.7	6	4	0.0	3.0
14	17.6	14.4	91	57	10.3	270	270	3.7	6	4	0.0	2.8
15	17.2	15.2	98	58	11.7	270	270	3.4	4	4	0.0	3.0
16	17.4	15.8	98	60	13.8	230	270	6.9	6	4	0.0	2.8
17	16.9	16.3	93	68	12.7	270	230	4.5	8	6	0.0	3.6
18	16.9	15.2	96	58	12.2	230	230	5.2	8	6	0.0	3.4
19	17.3	15.4	89	58	12.4	230	230	6.3	6	6	0.0	3.8
20	18.0	16.2	96	64	12.0	230	230	1.0	8	6	0.0	3.2
21	17.9	15.2	95	58	14.1	230	270	4.8	6	6	0.0	3.0
22	17.3	15.4	89	58	10.8	230	230	0.0	6	6	0.0	3.2
23	17.4	15.0	88	56	11.0	230	230	4.6	8	6	0.0	2.8
24	17.8	15.0	90	56	8.7	270	270	3.7	6	6	2.8	2.6
25	17.8	15.2	90	56	8.1	230	270	3.3	6	6	0.6	2.8
26	18.2	15.1	93	57	8.2	270	230	5.2	4	4	3.6	2.6
27	16.9	15.8	89	60	8.6	230	230	5.7	3	4	0.0	4.6
28	17.8	15.3	93	57	9.3	270	270	3.2	4	6	0.0	3.6
29	18.0	15.4	93	56	8.2	230	230	5.2	8	4	0.0	4.0
30	17.5	15.8	96	56	7.8	230	270	4.2	8	6	0.0	3.8
31	17.9	15.5	91	60	8.8	230	230	2.5	6	3	0.0	4.6
Mean	17.6	15.2	92	57	9.9	....	....	4.0	5	4	62.6	3.6
Weekly mean												
Std.Week No:27 (July 2 - July 8) No. of Days: 7												
Mean	17.7	15.0	91	53	9.7	...	...	4.7	4	3	11.2	4.2
Std.Week No:28 (July 9 - July 15) No. of Days: 7												
Mean	17.4	14.9	91	58	9.6	...	...	2.7	5	4	44.4	3.3
Std.Week No:29 (July 16 - July 22) No. of Days: 7												
Mean	17.4	15.7	94	61	12.6	...	...	4.1	7	6	0.0	3.3
Std.Week No:30 (July 23 - July 29) No. of Days: 7												
Mean	17.7	15.3	91	57	8.9	...	...	4.4	6	5	7.0	3.3
Std.Week No:31 (July 30 - August 5) No. of Days: 7												
Mean	17.2	18.3	91	43	8.4	..	..	4.9	2	2	13.4	4.2

Note: Rainfall is in Total