

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 : 2017

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10C m	15C m	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	28.6	20.2	20.4	28.0	20.0	21.0	3.6	22.4	29.6	23.8	28.4	24.0	27.0
2	29.2	20.0	20.6	27.8	20.4	21.2	3.6	23.8	30.0	24.4	29.0	25.8	27.8
3	29.0	19.8	22.4	27.2	21.0	21.2	3.8	22.8	27.8	23.8	26.8	24.6	25.8
4	28.2	20.0	21.4	27.4	20.8	21.0	3.5	21.6	27.6	22.8	26.0	24.0	25.8
5	29.0	19.6	21.4	28.6	20.8	22.4	2.8	23.0	27.0	23.6	26.8	24.4	25.6
6	29.6	19.0	21.0	27.4	20.4	21.8	3.5	23.0	27.6	23.6	27.4	25.0	25.6
7	28.8	19.8	21.2	27.8	20.4	22.2	3.6	23.6	30.6	24.0	27.4	25.0	25.4
8	29.0	19.4	21.0	27.0	20.0	20.8	3.2	23.6	28.0	24.4	27.0	25.4	26.6
9	28.0	19.8	20.8	26.6	20.0	21.4	3.0	25.8	27.8	23.6	26.8	24.0	26.0
10	28.6	19.6	20.0	28.0	19.0	21.6	3.9	23.0	30.0	24.4	28.8	25.8	27.4
11	29.0	20.0	22.4	27.0	20.8	21.0	4.0	25.6	29.8	26.6	28.5	27.0	27.0
12	29.4	19.8	21.0	26.8	20.0	21.6	3.3	23.0	27.0	24.0	26.4	25.6	25.6
13	28.0	19.6	22.8	25.4	21.0	21.0	3.0	22.4	29.0	23.6	27.0	24.6	25.4
14	26.2	19.8	20.0	26.0	19.6	20.4	3.0	20.2	28.0	23.0	26.4	24.8	25.2
15	26.8	20.2	22.0	25.8	20.8	21.0	3.2	21.0	28.4	22.0	27.0	24.6	26.2
16	26.6	18.8	22.0	26.8	20.0	21.0	3.2	21.6	28.2	22.6	27.8	24.8	26.0
17	27.2	19.6	21.6	26.4	20.8	21.0	3.1	22.0	29.0	23.2	27.4	24.6	25.6
18	27.4	20.4	21.8	26.8	20.2	22.0	3.3	21.8	26.4	22.6	26.0	24.8	25.4
19	27.8	20.2	21.6	26.0	20.4	21.4	3.3	21.0	28.4	23.0	27.0	24.0	25.0
20	26.8	20.0	22.0	28.2	20.8	21.4	3.5	21.6	30.6	32.4	28.0	24.6	25.2
21	28.8	19.2	22.2	26.8	20.8	21.2	4.1	21.6	30.4	22.4	28.2	24.8	26.0
22	28.2	19.2	22.0	28.4	20.4	20.8	4.0	22.4	29.6	23.8	28.0	25.4	27.0
23	29.2	20.2	22.0	29.0	20.4	20.6	4.1	22.6	30.8	23.8	30.0	25.0	27.8
24	30.2	19.6	22.2	28.0	20.0	20.8	4.8	22.0	32.0	23.8	30.0	25.6	28.6
25	29.2	19.8	21.8	28.2	20.4	21.6	4.0	22.4	32.8	23.8	30.2	25.2	28.8
26	29.2	19.2	22.6	28.6	20.8	21.8	3.9	22.0	32.6	23.6	31.0	25.6	28.6
27	29.8	19.2	22.6	29.0	20.8	21.8	4.3	22.4	34.0	24.0	33.0	25.6	31.0
28	30.8	20.4	23.4	29.2	21.6	21.4	4.5	23.0	34.8	24.0	33.0	25.4	32.0
29	31.0	19.4	22.2	29.8	20.8	21.2	4.3	22.0	34.0	23.0	32.0	24.8	29.6
30	31.0	20.2	22.6	28.8	20.8	21.0	4.3	22.4	32.8	23.6	32.0	24.0	29.0
31	30.8	20.6	22.0	29.0	20.4	21.4	3.9	21.0	33.0	22.4	32.1	23.8	30.4
Mean	28.8	19.8	21.7	27.6	20.5	21.3	3.7	22.5	29.9	23.9	28.6	24.9	27.0
Weekly mean													
Std.Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	29.0	19.7	21.3	27.6	20.5	21.5	3.4	23.1	28.4	23.8	27.2	24.9	26.1
Std.Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	28.0	19.8	21.3	26.5	20.2	21.1	3.4	23.0	28.6	23.9	27.3	25.2	26.1
Std.Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	27.5	19.6	21.9	27.1	20.5	21.3	3.5	21.7	28.9	24.3	27.5	24.7	25.7
Std.Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	29.9	19.7	22.4	28.8	20.7	21.3	4.3	22.3	33.0	23.7	31.3	25.3	29.5
Std.Week No:31 (July 30 - August 5) No. of Days: 7													
Mean	27.1	19.3	20.8	26.8	20.1	20.4	3.4	19.2	27.4	19.7	26.5	20.1	26.1

PART- II

Time of Observation :

I--> 0700 Hours LMT = 0720 IST

Month : July

II--> 1400 Hours LMT = 1420 IST

Year : 2017

Date	Humidity				Mean Wind			Bright	Cloud	Rainfall (mm) IST	Pan	
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount		Evap.	
	(mm)	Hg.	%		(Km/day)				(Octas)		(mm)	
	0700	1400	0700	1400	0700	0700	1400	0700	0700		1400	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.3	19.2	96	52	10.9	230	230	3.8	3	2	0.0	4.8
2	17.9	19.3	98	54	12.5	270	230	3.2	3	2	0.0	4.6
3	17.9	19.0	88	58	11.2	230	230	6.6	3	3	0.0	4.4
4	18.1	18.8	95	55	10.2	230	270	4.4	6	3	4.8	4.8
5	18.1	21.2	95	57	7.9	315	315	0.2	1	1	0.0	4.0
6	17.6	20.4	95	60	9.4	270	315	5.2	2	1	2.2	4.2
7	17.5	21.1	93	61	8.9	315	270	7.0	4	1	3.2	3.2
8	17.0	18.9	91	56	7.1	270	270	2.6	1	4	0.0	3.2
9	17.1	19.9	93	62	6.2	230	230	2.6	5	3	0.0	3.8
10	15.9	20.8	91	56	10.9	230	230	7.8	6	3	0.0	4.2
11	17.5	18.8	86	57	10.8	230	230	8.0	4	2	0.0	5.6
12	17.0	20.2	91	62	8.6	270	270	3.0	2	1	13.4	6.0
13	17.7	18.7	85	67	9.4	270	270	1.6	6	1	0.0	4.2
14	16.9	18.4	96	59	11.1	270	225	0.7	6	1	0.0	3.2
15	17.8	18.8	90	64	11.6	230	230	2.5	4	2	0.0	3.4
16	16.4	19.2	83	58	11.7	230	230	3.4	3	3	0.0	3.6
17	18.0	18.8	93	61	12.8	230	230	1.4	3	1	0.0	4.2
18	16.9	20.8	86	65	13.7	230	230	1.7	3	2	0.0	3.8
19	17.3	19.7	89	66	12.4	230	230	1.8	6	2	0.0	2.6
20	17.8	19.4	90	54	14.3	230	230	3.2	3	1	2.6	4.4
21	17.6	19.1	88	60	13.3	270	225	8.1	3	1	0.0	3.8
22	17.1	18.6	86	49	11.3	230	230	8.1	3	2	0.0	6.2
23	17.1	18.3	86	45	10.5	270	230	6.3	2	2	0.0	3.8
24	16.3	18.9	81	51	14.3	230	230	9.2	3	2	0.0	4.0
25	17.2	20.0	88	55	7.9	230	230	8.4	3	2	0.0	4.2
26	17.4	20.1	85	54	10.5	270	230	7.0	2	2	0.0	4.6
27	17.4	20.1	85	52	10.3	270	230	9.2	3	2	0.0	4.2
26	18.4	19.0	85	49	10.0	230	230	9.2	2	2	0.0	4.8
29	17.6	19.1	88	45	9.4	230	230	7.7	2	3	2.4	4.2
30	17.4	18.8	85	48	8.5	230	230	7.1	3	2	0.0	4.8
31	17.1	19.7	86	50	7.2	230	230	4.2	3	3	4.8	3.8
Mean	17.4	19.4	89	56	10.5	..	..	5.0	3	2	33.4	4.2
Weekly mean												
Std.Week No:27 (July 2 - July 8) No. of Days: 7												
Mean	17.7	19.8	93	57	9.6	...	...	4.2	3	2	10.2	4.1
Std.Week No:28 (July 9 - July 15) No. of Days: 7												
Mean	17.1	19.4	90	61	9.8	...	...	3.7	5	2	13.4	4.3
Std.Week No:29 (July 16 - July 22) No. of Days: 7												
Mean	17.3	19.4	88	59	12.8	...	...	4.0	3	2	2.6	4.1
Std.Week No:30 (July 23 - July 29) No. of Days: 7												
Mean	17.4	19.4	85	50	10.4	...	...	8.1	2	2	2.4	4.3
Std.Week No:31 (July 30 - August 5) No. of Days: 7												
Mean	11.7	18.7	90	39	4.8	..	..	2.6	3	2	4.6	5.3

Note: Rainfall is in Total