

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 : September

State : Karnataka

Long : 77° 34'E

Year :

Alt. : 924 m (amsl)

2017

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10C m	10C m	15 Cm	15Cm
	0700	1400	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LM T	IST	LMT	LMT	LMT	LMT	LM T	LMT
1	28.2	20.4	21.6	27.4	20.8	21.0	3.4	20.2	27.0	20.6	26.0	21.0	25.4
2	27.8	19.8	21.4	27.0	20.6	20.8	2.7	26.0	27.2	26.2	26.6	25.8	26.2
3	27.8	19.8	21.4	27.4	20.4	21.0	3.0	20.0	26.6	21.6	24.8	22.0	24.0
4	28.0	18.8	22.0	27.6	20.8	21.2	2.9	20.6	26.2	20.8	25.0	22.4	24.8
5	28.8	18.4	22.0	28.0	21.2	21.6	3.2	20.8	26.0	21.2	25.0	21.8	24.4
6	28.6	19.0	22.8	28.0	21.2	20.8	3.7	20.6	27.4	21.4	26.0	22.0	25.8
7	28.6	20.4	22.8	28.0	21.0	21.6	3.1	21.0	27.8	21.8	27.0	22.2	26.4
8	28.8	20.4	22.4	27.8	21.4	21.6	3.1	22.6	28.0	22.8	26.8	23.6	26.0
9	27.8	19.4	21.8	27.2	20.4	21.8	2.7	20.8	27.8	21.6	26.6	22.4	26.2
10	28.2	20.2	22.4	27.0	20.4	21.6	2.9	20.0	28.8	21.0	27.0	22.0	26.4
11	27.2	20.8	22.4	27.4	21.8	21.6	3.0	20.8	28.4	21.6	27.6	22.8	26.0
12	27.6	21.4	23.2	28.8	21.6	21.6	3.6	21.8	30.0	22.8	28.2	23.4	27.0
13	29.4	21.0	22.4	28.2	21.0	21.8	3.8	21.8	29.4	22.4	28.8	23.8	28.0
14	29.2	20.2	22.8	28.0	21.2	21.8	3.3	21.6	30.4	22.8	28.8	23.8	27.8
15	29.6	20.8	22.2	27.0	21.4	21.2	3.9	22.6	27.8	23.4	26.6	24.0	26.0
16	26.8	19.4	22.4	26.8	21.2	21.0	2.8	21.8	27.8	23.0	26.0	23.8	26.0
17	27.4	19.8	20.8	23.8	20.0	20.8	3.5	20.6	27.2	21.6	26.6	22.4	26.0
18	24.0	18.6	20.8	25.8	20.0	21.4	2.3	20.6	26.2	21.0	25.8	21.4	25.0
19	26.8	19.8	21.6	27.0	20.8	21.4	3.8	21.8	26.6	22.4	26.0	23.8	25.8
20	27.8	18.8	22.0	27.0	20.8	21.8	3.7	21.6	28.6	22.8	27.0	23.0	26.6
21	27.6	18.2	21.0	25.8	20.6	21.2	3.8	21.2	27.6	22.4	27.0	23.0	26.6
22	27.0	19.0	22.0	26.0	20.8	21.6	3.3	21.8	29.8	22.6	28.0	23.8	27.6
23	28.0	18.2	21.2	28.0	20.4	21.6	3.4	21.8	29.8	23.0	27.6	23.8	27.8
24	29.8	20.0	21.8	26.0	20.2	20.8	3.6	21.4	27.8	22.8	26.6	23.4	26.0
25	26.2	16.6	20.4	27.0	19.4	20.6	2.9	20.0	28.0	21.6	26.0	21.0	25.5
26	27.0	19.6	21.8	27.0	20.4	21.4	2.9	20.6	30.0	21.6	28.4	22.4	28.0
27	27.6	19.2	20.8	27.2	20.0	21.4	3.3	20.0	26.6	21.0	26.0	21.6	25.8
28	27.6	19.6	21.8	26.6	20.8	21.2	2.8	21.0	26.4	21.0	26.0	22.6	25.6
29	26.8	19.6	21.6	25.8	20.4	20.6	2.9	21.0	26.4	21.6	26.2	22.4	25.8
30	26.0	19.4	20.8	26.4	20.0	21.0	2.9	21.2	26.6	22.0	26.0	22.4	25.8
Mean	27.7	19.6	21.8	27.0	20.7	21.3	3.2	21.3	27.8	22.1	26.7	22.8	26.1
Weekly Mean													
Std.Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7													
Mean	28.3	19.5	22.2	27.7	20.9	21.4	3.1	20.9	27.1	21.6	25.9	22.3	25.4
Std.Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	28.3	20.5	22.5	27.6	21.2	21.5	3.3	21.5	28.9	22.4	27.6	23.4	26.7
Std.Week No:38 (Sept .17 - Sept. 23) No. of Days: 7													
Mean	26.9	18.9	21.3	26.2	20.5	21.0	3.4	21.3	28.0	22.3	26.9	23.0	26.5
Std.Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	27.3	19.1	21.3	26.6	20.2	21.0	3.1	20.7	27.4	21.7	26.5	22.3	26.1

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : September

Year :2017

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction	SSH		Amount			(mm)	Evap.
	(mm)	Hg.	%					(Km/day)					(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	LMT	IST	IST
1	18.0	18.8	93	55	4.6	230	230	7.2	6	4	21.2	2.0
2	17.8	18.5	93	56	3.6	230	230	1.7	8	4	6.2	2.8
3	17.4	19.0	91	55	4.3	320	230	3.7	2	2	4.4	2.8
4	17.8	19.1	90	55	4.1	230	230	4.5	2	3	44.6	2.2
5	18.4	19.6	93	56	4.0	230	230	7.1	3	3	1.8	2.6
6	18.0	18.2	86	51	6.6	90	230	9.5	2	4	20.2	3.4
7	17.7	19.7	85	56	3.8	230	230	4.4	6	3	22.4	3.0
8	18.6	19.5	91	57	3.9	230	320	4.8	3	3	0.0	3.8
9	17.2	20.4	88	61	3.0	320	320	3.1	4	2	5.8	3.2
10	16.9	20.0	83	61	3.8	270	320	3.2	2	3	16.4	3.4
11	19.3	19.2	95	59	5.5	90	230	4.5	4	3	0.4	3.6
12	18.5	19.3	87	52	6.8	230	230	7.3	3	3	0.0	3.8
13	17.9	20.0	88	56	9.8	90	230	5.4	3	3	0.0	4.0
14	18.0	19.9	86	57	3.9	270	230	6.0	3	3	0.0	4.2
15	18.7	18.8	93	59	7.2	230	270	8.6	4	3	7.4	4.0
16	18.2	18.5	90	58	7.8	230	230	1.6	3	3	0.0	3.4
17	17.1	18.9	93	76	10.5	230	230	6.0	6	4	2.2	2.8
18	17.1	19.9	93	67	9.8	230	230	0.2	4	3	14.0	2.8
19	18.0	19.4	93	60	12.7	230	230	8.1	4	3	0.0	3.6
20	17.8	20.1	90	62	12.2	230	230	7.8	3	3	0.0	3.6
21	18.0	19.2	96	66	11.4	270	270	9.9	4	3	0.0	3.6
22	17.8	19.8	90	67	7.8	230	230	6.7	3	3	0.0	3.8
23	17.5	20.0	93	56	3.5	320	230	8.2	0	3	0.0	4.2
24	16.9	18.8	86	62	2.0	230	230	8.1	2	4	0.0	3.4
25	16.3	18.9	91	55	4.8	230	230	5.2	6	2	9.6	2.8
26	17.2	19.7	88	60	4.6	230	320	3.0	3	2	3.8	4.2
27	17.1	19.9	93	59	4.0	230	230	6.8	6	4	69.8	1.4
28	17.9	19.1	91	61	4.6	230	230	1.4	3	3	15.2	2.8
29	17.3	18.3	89	61	7.1	230	230	1.2	3	3	0.4	3.2
30	17.1	19.2	93	61	2.8	230	230	2.1	6	3	9.8	2.4
Mean	17.7	19.3	90	59	6.0	..	..	5.2	4	3	275.6	3.2
Weekly Mean												
Std.Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7												
Mean	17.9	19.3	89	56	4.2	..	..	5.3	3	3	99.2	3.0
Std.Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	18.2	19.4	89	57	6.4	..	..	5.2	3	3	24.2	3.8
Std.Week No:38 (Sept .17 - Sept. 23) No. of Days: 7												
Mean	17.6	19.6	92	65	9.7	..	..	6.7	3	2	24.4	3.5
Std.Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	17.1	19.1	90	60	4.3	..	..	4.0	4	3	108.6	2.9

Note: Rainfall is in Total