

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 : June
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	30.2	21.0	23.4	29.0	21.2	21.6	3.9	24.6	33.8	25.0	31.6	26.0	30.0	
2	30.8	19.4	22.6	27.8	21.4	21.0	3.2	23.8	32.8	23.8	31.8	25.8	30.8	
3	28.6	19.8	22.0	28.4	20.8	21.2	3.2	21.8	31.8	22.0	30.0	23.0	30.0	
4	30.0	20.0	22.4	27.6	21.0	21.6	3.5	21.4	31.8	22.6	30.0	23.0	28.8	
5	28.6	20.4	23.6	29.0	21.4	21.4	3.3	23.6	34.0	24.0	32.8	25.6	30.2	
6	30.2	21.0	22.8	28.6	21.4	21.2	4.5	23.8	33.6	24.6	32.0	25.0	30.0	
7	30.0	20.8	23.2	28.0	21.4	21.2	4.0	24.0	31.2	25.2	30.0	26.0	28.6	
8	28.4	20.8	21.8	27.0	20.6	21.0	4.0	22.0	32.4	23.4	30.0	24.0	28.6	
9	27.4	20.0	21.2	24.8	20.6	20.8	3.2	22.0	30.0	23.0	27.6	23.2	26.6	
10	25.0	19.8	20.8	26.0	20.2	21.2	2.6	21.6	28.8	22.0	27.0	22.8	26.0	
11	26.8	19.6	22.2	26.2	21.0	20.8	3.1	21.4	29.0	22.0	27.6	23.0	26.4	
12	26.8	20.2	22.0	28.6	20.8	20.8	3.3	21.8	29.0	22.4	27.0	23.2	26.8	
13	29.2	19.8	22.0	28.4	21.0	21.2	3.7	22.0	28.0	22.8	26.6	23.6	26.0	
14	29.2	20.0	21.6	27.4	20.6	21.2	3.6	22.0	29.0	23.0	28.0	23.8	27.0	
15	28.0	19.6	22.2	29.6	21.0	21.2	3.2	23.0	30.0	24.0	28.6	24.6	27.4	
16	31.0	19.4	21.2	28.0	20.8	20.0	4.1	21.6	30.2	22.4	30.0	23.6	28.4	
17	30.0	19.8	21.6	28.8	20.6	21.2	3.9	22.6	32.6	23.2	30.0	24.0	28.6	
18	30.2	19.3	22.0	28.0	20.8	20.0	4.2	22.0	32.0	23.4	29.8	24.8	28.2	
19	29.8	19.4	21.6	28.2	20.6	21.2	4.5	23.4	32.6	24.0	31.0	25.6	29.8	
20	29.0	19.6	22.0	27.4	20.8	21.2	4.4	25.0	31.4	26.6	29.4	27.4	28.8	
21	28.0	20.0	22.0	28.0	20.8	20.8	4.0	23.8	32.2	23.8	31.6	24.4	30.0	
22	28.6	19.0	21.6	28.2	20.8	20.8	3.3	22.6	31.2	23.0	30.0	23.8	28.8	
23	28.6	19.4	22.0	28.0	21.0	20.8	3.4	22.4	31.6	23.6	30.0	24.4	28.4	
24	28.4	19.0	21.4	28.2	20.0	21.0	3.4	21.8	31.4	22.4	30.2	23.8	28.6	
25	28.8	18.8	22.4	27.2	21.2	20.8	3.6	22.4	30.0	23.8	28.0	25.0	28.0	
26	28.0	19.4	20.8	27.0	20.0	20.8	3.7	21.6	29.0	22.0	28.0	23.8	27.2	
27	28.6	19.4	21.0	26.6	20.0	20.6	4.2	21.4	27.8	23.8	27.0	24.4	26.6	
28	26.8	19.2	20.6	25.4	19.8	19.6	3.2	21.4	27.2	22.6	26.0	23.0	25.0	
29	25.6	19.2	20.4	27.0	20.0	20.2	3.1	21.0	29.0	22.0	27.8	23.4	27.0	
30	27.8	18.8	21.8	27.2	20.6	21.0	3.5	21.2	29.2	22.8	28.0	23.6	27.4	
Mean	28.6	19.7	21.9	27.7	20.7	20.9	3.6	22.4	30.8	23.3	29.2	24.3	28.1	
Weekly mean														
Std.Week No:23 (June 4 - June 10) No. of Days: 7														
Mean	28.5	20.4	22.3	27.3	20.9	21.2	3.6	22.6	31.7	23.5	29.9	24.2	28.4	
Std.Week No:24 (June 11 - June 17) No. of Days: 7														
Mean	28.7	19.8	21.8	28.1	20.8	20.9	3.5	22.1	29.7	22.8	28.3	23.7	27.2	
Std.Week No: 25 (June 18 - June 24) No. of Days: 7														
Mean	28.9	19.4	21.8	28.0	20.7	20.8	3.9	23.0	31.8	23.8	30.3	24.9	28.9	
Std.Week No:26 (June 25 - July 01) No. of Days: 7														
Mean	27.6	19.1	21.2	26.7	20.3	20.5	3.6	21.5	28.7	22.8	27.5	23.9	26.9	

PART II

Time of Observation:

Month : June

I---> 0700 Hours LMT = 0720 IST

Year : 2018

II---> 1400 Hours LMT = 1420 IST

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr.	Rel. Hum.	Speed		Direction		0700		0700	1400		
	(mm)	Hg.	%		(Km/day)							
	0700	1400	0700	1400	0700	0700	1400		0700	0700			1400
LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT			
1	17.7	15.2	82	51	4.4	230	270	10.0	3	2	0.0	5.0
2	18.4	14.9	90	53	4.2	270	230	4.5	0	2	11.0	4.6
3	17.8	14.9	90	51	4.0	230	230	5.4	6	3	4.2	4.2
4	17.9	16.0	88	58	5.8	270	270	6.0	3	2	0.0	4.4
5	17.9	14.9	82	50	7.0	230	230	3.6	3	3	0.0	4.6
6	18.3	14.8	88	50	7.7	230	230	11.6	6	3	0.0	5.6
7	18.1	15.1	85	53	9.3	230	230	7.8	3	3	0.0	4.6
8	17.5	15.3	90	57	12.9	230	230	6.0	6	6	0.0	5.4
9	17.9	16.2	95	69	12.1	230	230	2.0	8	6	0.0	3.2
10	17.4	16.2	95	64	10.5	230	230	0.2	7	5	0.4	3.0
11	18.0	15.4	90	61	11.4	230	270	2.2	7	6	4.2	2.8
12	17.8	14.1	90	48	11.6	270	230	1.6	4	4	0.0	4.4
13	18.1	14.9	91	51	11.4	230	230	4.0	6	4	0.0	3.8
14	17.6	15.4	91	56	9.7	230	230	4.8	8	3	0.0	4.0
15	18.0	14.2	90	46	8.6	230	230	2.8	4	3	0.0	4.2
16	18.2	13.1	96	46	7.6	230	230	8.9	2	3	5.2	4.4
17	17.6	14.7	91	49	7.1	230	230	8.0	3	3	0.0	4.4
18	17.8	13.1	90	46	10.1	230	230	8.2	3	2	0.0	4.2
19	17.6	15.0	91	52	12.1	230	230	10.6	2	3	0.0	5.6
20	17.8	15.4	90	56	12.3	230	230	10.3	3	4	0.0	5.4
21	17.8	14.4	90	51	12.6	230	230	6.1	6	4	0.0	5.0
22	18.0	14.3	93	50	9.5	230	230	2.6	3	3	0.0	5.0
23	18.1	14.4	91	51	8.0	230	230	3.9	4	3	0.8	4.0
24	16.8	14.7	88	51	7.6	230	270	4.3	3	3	3.8	4.4
25	18.2	14.9	90	55	9.9	270	270	5.3	2	3	0.0	4.8
26	17.1	15.0	93	56	10.6	270	230	5.4	3	3	0.0	4.0
27	17.0	14.9	91	57	12.8	270	270	7.2	6	4	0.0	4.2
28	16.9	13.9	93	57	10.7	230	230	0.3	6	4	0.0	3.8
29	17.3	14.0	96	52	8.3	230	270	0.0	6	3	0.0	3.2
30	17.5	15.2	90	56	7.5	230	230	3.3	2	3	0.0	4.2
Mean	17.7	14.8	90	54	9.2	..	..	5.2	4	3	29.6	4.3
Weekly mean												
Std.Week No:23 (June 4 - June 10) No. of Days: 7												
Mean	17.9	15.5	89	57	9.3	..	..	5.3	5	4	0.4	4.4
Std.Week No:24 (June 11 - June 17) No. of Days: 7												
Mean	17.9	14.6	91	51	9.6	..	..	4.6	5	4	9.4	4.0
Std.Week No: 25 (June 18 - June 24) No. of Days: 7												
Mean	17.7	14.5	90	51	10.3	..	..	6.6	3	3	4.6	4.8
Std.Week No:26 (June 25 - July 01) No. of Days: 7												
Mean	17.4	14.7	92	56	10.0	..	..	3.6	4	3	0.0	4.0

Note: Rainfall is in sum (total)