

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 : 2019

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	30.6	18.2	21.8	29.0	20.4	21.8	3.9	22.2	34.0	23.2	32.8	24.4	31.0
2	31.0	19.0	22.0	26.0	20.8	20.8	4.5	22.8	30.0	23.6	29.0	23.8	27.2
3	26.8	18.4	21.6	28.0	20.8	21.4	2.7	22.0	27.6	23.4	27.0	23.8	26.8
4	28.6	18.0	22.0	27.0	21.2	21.8	2.9	22.0	27.8	23.0	26.0	24.4	26.0
5	28.0	18.4	22.4	26.6	21.6	21.0	3.2	21.8	27.4	22.0	26.2	23.0	26.0
6	26.8	17.8	20.2	25.6	19.8	20.8	2.8	21.0	26.6	22.0	25.4	23.0	25.0
7	25.8	17.6	20.0	24.0	19.8	21.0	2.4	20.8	25.0	21.8	23.6	22.4	23.0
8	24.0	17.4	20.8	25.2	20.2	21.2	2.1	20.8	24.0	22.0	23.8	23.0	23.2
9	25.6	18.0	22.0	25.4	21.4	21.0	2.5	21.0	24.6	22.0	24.0	22.8	23.8
10	25.6	17.4	21.8	25.0	20.8	21.0	2.4	20.8	24.4	21.8	24.0	22.6	23.6
11	25.8	17.8	21.8	27.0	20.8	21.0	2.7	20.8	24.4	21.8	23.8	22.0	23.0
12	28.0	17.4	21.0	26.8	20.2	21.0	3.1	21.2	24.8	22.0	24.0	23.0	24.0
13	28.0	17.2	21.6	28.0	20.8	21.2	3.0	21.0	27.0	22.0	26.4	22.8	25.8
14	28.2	17.8	22.0	27.2	20.6	21.2	3.0	21.6	27.8	22.4	27.0	23.0	26.8
15	27.8	17.4	21.4	27.0	20.8	21.8	3.0	21.0	26.4	22.0	26.0	22.6	25.8
16	27.8	18.0	22.4	27.8	21.6	21.8	3.0	22.0	27.8	23.4	26.0	24.0	26.0
17	29.0	19.0	20.0	25.0	19.8	21.0	3.4	21.4	28.6	22.0	27.0	22.4	26.6
18	25.8	18.0	21.6	24.2	20.8	21.6	2.1	21.6	26.0	22.4	25.8	23.2	25.4
19	24.8	18.2	22.0	26.6	21.2	21.0	2.1	21.0	26.4	22.0	26.0	22.6	25.0
20	28.6	18.4	20.8	26.0	20.4	21.2	3.2	21.2	26.6	22.0	26.0	23.0	25.8
21	26.8	18.2	21.6	26.6	21.0	21.4	2.6	20.8	27.6	21.2	26.0	22.0	26.0
22	27.2	17.8	21.6	26.0	20.8	20.8	2.8	21.8	27.0	22.4	26.0	22.8	25.4
23	26.8	18.0	21.0	26.6	20.2	21.0	2.9	21.6	27.8	22.4	26.6	23.0	26.0
24	27.0	17.8	21.2	26.2	20.8	21.0	3.2	21.6	27.0	22.4	26.0	23.8	26.0
25	26.6	18.0	20.6	26.2	20.2	21.0	2.9	22.0	26.6	23.4	26.0	23.8	25.8
26	28.6	18.2	20.0	26.4	19.2	21.4	3.9	22.4	28.0	23.0	27.5	23.4	26.0
27	27.5	18.2	21.0	27.0	20.0	22.0	3.3	22.0	27.0	23.4	26.0	24.2	25.8
28	28.0	18.4	21.0	29.0	19.0	22.4	3.7	21.0	31.0	23.5	29.0	25.0	27.0
29	30.0	20.2	21.0	28.0	20.0	22.6	4.0	22.0	30.4	23.4	29.0	25.0	26.0
30	29.4	18.6	20.8	27.0	20.0	21.2	4.1	22.0	29.0	23.4	27.2	24.6	26.0
31	27.0	18.6	20.0	27.0	19.0	20.8	3.4	22.0	28.4	23.0	27.6	25.0	26.6
Mean	27.5	18.1	21.3	26.6	20.5	21.3	3.1	21.5	27.3	22.5	26.3	23.4	25.7
Std. Week No: 32 (August 6- August 12) No. of Days: 7													
Mean	25.9	17.6	21.1	25.6	20.4	21.0	2.6	20.9	24.8	21.9	24.1	22.7	23.7
Std. Week No: 33 (August 13 -August 19) No. of Days: 7													
Mean	27.3	17.9	21.6	26.5	20.8	21.4	2.8	21.4	27.1	22.3	26.3	22.9	25.9
Std. Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	27.4	18.1	21.0	26.3	20.4	21.1	3.1	21.6	27.2	22.4	26.3	23.1	25.9
Std. Week No:35 (August 27 - Sept. 02) No. of Days: 7													
Mean	28.4	18.8	20.8	27.6	19.6	21.8	3.7	21.8	29.2	23.3	27.8	24.8	26.3

PART- II

Time of Observation:

Month : August

I---> 0700 Hours LMT = 0720 IST

Year : 2019

II---> 1400 Hours LMT = 1420 IST

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. Pr. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction									
	0700	1400	0700	1400	0700	0700	1400		0700	0700			1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			LMT	IST	IST
1	17.2	20.4	88	52	9.7	230	230	8.9	4	3	0.0	4.8			
2	17.8	18.4	90	62	13.4	230	230	10.6	4	6	0.0	5.0			
3	18.0	19.4	93	55	12.1	230	230	0.2	8	6	0.0	5.2			
4	18.4	19.9	93	62	11.9	230	230	1.7	6	6	0.0	4.2			
5	18.9	18.3	93	60	13.8	230	230	3.0	6	6	0.4	4.6			
6	17.1	19.0	96	64	13.4	230	230	0.3	8	6	0.8	3.6			
7	17.2	19.3	98	76	13.1	230	230	0.7	8	6	2.2	2.6			
8	17.4	19.4	95	69	13.4	230	230	0.0	8	6	6.8	2.0			
9	18.8	18.4	95	67	13.4	230	230	1.3	8	6	4.2	3.0			
10	17.9	18.8	91	69	14.1	230	230	0.5	6	6	1.0	2.8			
11	17.9	18.8	91	57	11.8	230	230	1.8	6	6	0.0	3.6			
12	17.3	19.1	93	58	9.8	230	230	4.0	8	6	4.0	2.8			
13	18.0	19.1	93	53	7.8	270	230	4.6	6	6	1.4	3.0			
14	17.4	19.2	88	58	7.4	230	230	4.0	4	6	8.8	3.4			
15	18.1	20.1	95	62	8.5	270	230	5.8	8	6	24.6	3.8			
16	18.9	19.7	93	58	8.1	230	230	5.1	4	4	0.0	3.2			
17	17.2	19.3	98	69	9.4	270	230	4.6	8	6	1.6	1.8			
18	18.0	19.8	93	79	4.8	230	230	0.6	8	8	14.2	2.2			
19	18.4	18.5	93	60	3.4	270	270	0.0	4	6	23.4	2.0			
20	17.8	19.3	96	64	5.0	270	270	5.8	6	6	35.4	2.6			
21	18.3	19.3	95	62	6.6	270	230	2.0	6	6	14.8	1.8			
24	18.0	18.4	93	62	8.4	270	230	2.5	8	6	0.0	2.2			
23	17.3	19.1	93	60	8.6	270	230	2.5	6	4	1.4	2.8			
24	18.2	18.8	96	62	9.7	230	230	6.1	8	6	3.8	2.8			
25	17.5	19.1	96	62	8.6	230	230	3.3	6	6	0.0	3.8			
26	16.2	20.3	93	63	10.4	230	230	8.4	6	6	0.6	3.6			
27	17.0	20.9	91	64	8.8	230	230	5.7	6	4	0.0	3.8			
28	15.4	22.2	82	55	8.7	230	230	7.5	4	4	0.0	3.1			
29	17.0	22.0	91	62	8.4	230	270	8.2	4	4	0.0	4.0			
30	17.1	19.5	93	59	8.8	230	230	9.3	6	4	24.0	4.8			
31	15.9	19.4	91	56	10.3	230	230	7.0	4	6	0.0	4.2			
Mean	17.6	19.5	93	62	9.7	4.1	6	6	173.4	3.3			
Std. Week No: 32 (August 6 - August 12) No. of Days: 7															
Mean	17.7	19.0	94	66	12.7	1.2	7.4	6.0	19.0	2.9			
Std. Week No: 33 (August 13 - August 19) No. of Days: 7															
Mean	18.0	19.4	93	63	7.1	3.5	6.0	6.0	74.0	2.8			
Std. Week No: 34 (August 20 - August 26) No. of Days: 7															
Mean	17.6	19.2	95	62	8.2	4.4	6.6	5.7	56.0	2.8			
Std. Week No: 35 (August 27 - Sept.02) No. of Days: 7															
Mean	16.5	19.5	90	59	9.0	7.5	4.8	4.4	24.0	4.0			

Note: Rainfall is in total