

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 : 2020

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		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	29.4	19.0	22.6	28.6	21.0	21.6	3.5	22.4	34.0	23.6	33.4	24.0	32.8
2	29.2	20.0	22.8	25.0	21.2	21.0	3.4	22.6	31.6	23.6	30.0	23.8	28.8
3	25.8	19.2	22.0	27.0	20.8	21.4	2.4	22.0	30.0	23.0	28.6	23.4	27.8
4	27.8	18.8	22.0	26.0	20.8	21.8	2.9	22.0	29.8	23.0	28.8	23.8	28.0
5	26.0	18.2	22.0	27.0	20.8	21.6	2.5	21.8	30.8	22.0	30.0	22.8	28.8
6	28.0	19.2	22.8	26.4	21.4	21.2	3.1	22.0	29.6	23.2	28.0	23.8	27.4
7	26.6	18.2	22.4	27.8	21.0	21.8	2.4	21.6	28.6	22.0	27.8	22.8	27.0
8	28.2	18.2	22.8	27.8	21.6	21.6	3.2	21.6	28.0	22.4	27.6	23.6	27.0
9	29.0	18.4	21.8	28.0	20.8	21.4	3.2	20.8	28.6	21.6	27.8	22.0	26.8
10	29.0	18.2	22.0	26.4	21.2	21.2	3.2	20.4	27.8	21.0	27.0	22.0	26.8
11	26.6	18.8	22.4	26.8	20.8	21.2	2.6	20.4	27.8	22.0	26.6	23.0	26.0
12	27.6	19.4	21.0	28.0	20.4	21.6	3.4	20.8	28.6	21.6	27.6	22.4	27.0
13	29.4	19.6	22.2	27.8	21.0	21.6	3.7	21.0	31.4	22.0	30.0	23.4	28.8
14	28.4	20.0	22.2	25.8	21.2	20.8	3.1	21.6	29.0	22.0	27.6	22.8	26.0
15	26.0	19.8	22.0	26.0	21.2	21.0	2.4	21.6	28.6	22.0	27.0	22.6	26.6
16	26.2	18.0	21.8	25.6	21.0	20.8	2.5	21.6	26.6	22.4	25.8	22.8	24.6
17	25.8	18.8	20.4	24.6	20.0	21.4	2.4	20.8	27.0	21.6	26.6	22.4	25.8
18	25.8	18.4	22.6	26.0	20.8	21.0	2.4	21.2	27.6	21.6	26.0	23.8	25.0
19	26.8	19.8	22.0	27.4	21.2	21.8	2.7	21.2	28.4	21.8	26.6	22.0	24.8
20	28.8	19.0	22.0	27.8	21.2	21.6	3.0	21.0	28.0	21.8	26.6	22.4	24.6
21	29.4	18.0	22.0	28.0	21.2	21.8	3.4	22.0	31.0	23.0	28.8	23.2	27.4
22	29.4	20.2	23.0	28.6	21.6	21.6	3.9	22.4	33.0	23.4	30.0	25.0	28.8
23	30.0	19.8	23.0	28.8	21.6	21.8	3.8	22.4	31.6	23.6	29.8	24.6	27.6
24	30.0	17.4	22.0	26.0	21.0	21.6	3.4	22.0	32.0	23.0	30.0	23.8	28.8
25	26.4	18.8	22.8	27.4	21.4	21.8	2.5	21.8	31.8	22.8	30.4	23.8	27.8
26	28.4	18.2	22.0	27.0	21.4	21.6	3.1	22.0	31.8	23.2	30.0	24.2	29.0
27	27.2	19.0	22.0	27.8	21.0	21.6	3.5	22.4	31.6	23.8	30.0	24.0	28.8
28	29.8	19.8	21.4	28.0	20.8	21.8	3.9	21.8	30.8	22.4	28.8	24.0	28.4
29	28.4	19.6	22.6	24.8	21.6	20.8	3.6	21.6	29.0	22.4	27.8	23.8	26.8
30	25.0	19.0	20.8	27.6	20.0	21.6	2.4	21.4	29.0	22.0	27.6	23.0	26.6
31	28.0	19.2	21.8	27.8	21.2	21.6	3.1	21.4	30.8	22.0	29.0	22.8	27.0
Mean	27.8	19.0	22.1	27.0	21.0	21.5	3.0	21.6	29.8	22.4	28.4	23.3	27.3
Weekly mean													
Std. Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	27.4	18.8	22.4	26.7	21.1	21.5	2.9	21.9	29.8	22.7	28.7	23.4	27.8
Std. Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	28.0	19.2	21.9	27.0	20.9	21.3	3.1	20.9	28.8	21.7	27.7	22.6	26.9
Std. Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	27.5	18.9	22.0	26.9	21.0	21.4	2.9	21.5	28.8	22.2	27.2	23.1	25.9
Std. Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	28.6	18.9	22.3	27.1	21.3	21.6	3.4	22.0	31.2	23.0	29.5	24.0	28.2
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

Month : July

II---> 1400 Hours LMT = 1420 IST

Year : 2020

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hour)	Direction			0700	0700		
	0700	1400	0700	1400	0700	0700	1400	0700			0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.8	15.5	86	53	6.7	230	230	7.0	4	4	0.0	4.0
2	18.0	16.4	86	69	8.8	230	270	4.1	6	3	0.0	4.2
3	17.8	16.0	90	60	7.0	270	230	0.3	3	3	4.4	2.6
4	17.8	17.3	90	68	8.7	230	230	3.6	4	3	9.8	3.4
5	17.8	16.4	90	61	9.3	230	230	1.2	8	4	0.0	3.8
6	18.3	16.0	88	62	8.9	230	230	3.7	8	4	0.0	4.0
7	17.9	16.3	88	58	8.4	230	230	0.0	6	3	0.0	2.0
8	18.7	15.9	90	57	8.3	230	230	6.0	4	4	2.2	3.0
9	17.9	15.5	91	55	7.2	230	230	4.5	6	4	23.8	2.6
10	18.4	16.0	93	62	5.1	230	230	6.9	6	3	14.4	2.4
11	17.5	15.8	86	60	5.6	230	230	2.0	6	4	5.6	3.0
12	17.6	15.8	95	56	5.5	230	230	8.1	4	4	2.0	1.8
13	18.0	15.9	90	57	6.6	270	230	8.0	6	3	0.0	3.8
14	18.3	15.7	91	63	5.2	270	230	4.4	6	6	5.2	3.4
15	18.4	15.9	93	63	4.2	230	230	0.0	8	6	0.0	2.8
16	18.2	15.8	93	64	8.4	230	230	0.9	8	6	3.0	2.6
17	17.3	17.3	96	75	6.7	230	270	0.6	8	3	15.2	2.6
18	17.4	15.9	85	63	5.8	270	230	0.5	6	3	1.6	2.4
19	18.4	16.5	93	60	5.8	270	230	1.9	6	4	1.6	2.0
20	18.4	15.9	93	57	2.3	230	230	4.9	3	3	15.0	2.8
21	18.4	16.1	93	57	4.9	270	230	7.8	0	2	52.8	3.0
22	18.6	15.5	88	53	3.3	230	230	11.0	3	2	0.0	4.8
23	18.6	15.7	88	53	3.2	140	230	9.5	2	3	0.0	4.6
24	18.1	16.9	91	67	6.4	230	230	6.3	6	3	65.8	2.8
25	18.3	16.5	88	60	1.5	230	230	2.0	3	3	0.0	3.8
26	18.8	16.4	95	61	5.1	230	230	5.2	6	3	4.0	2.6
27	18.1	15.9	91	57	7.2	230	230	7.9	0	3	0.0	4.8
28	18.1	16.1	95	57	6.7	270	270	7.9	6	3	4.4	3.8
29	18.8	16.2	91	69	4.9	270	230	7.6	8	4	0.0	3.6
30	17.1	16.0	93	58	3.9	230	230	0.2	8	4	12.0	2.6
31	18.5	15.9	95	57	3.5	270	230	4.9	8	3	0.0	2.8
Mean	18.1	16.1	91	60	6.0	....	....	4.5	5	4	242.8	3.2
Weekly mean												
Std. Week No:27 (July 2 - July 8) No. of Days: 7												
Mean	18.0	16.3	89	62	8.5	...	...	2.7	6	3	16.4	3.3
Std. Week No:28 (July 9 - July 15) No. of Days: 7												
Mean	18.0	15.8	91	59	5.6	...	...	4.8	6	4	51.0	2.8
Std. Week No:29 (July 16 - July 22) No. of Days: 7												
Mean	18.1	16.1	92	61	5.3	...	...	3.9	5	3	89.2	2.9
Std. Week No:30 (July 23 - July 29) No. of Days: 7												
Mean	18.4	16.2	91	61	5.0	...	...	6.6	4	3	74.2	3.7
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