

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 : 2019

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	30.0	19.6	22.4	29.2	21.0	21.8	3.6	23.0	36.8	23.8	35.0	24.4	35.0
2	30.8	18.6	22.6	30.0	21.6	21.8	4.4	22.8	37.8	23.6	37.4	24.6	36.6
3	31.6	19.0	22.4	29.6	21.4	21.6	4.4	22.6	37.6	23.8	36.0	24.8	35.4
4	30.6	19.0	22.4	29.6	21.2	21.0	4.1	22.8	36.0	23.8	35.4	24.6	35.0
5	30.8	19.4	22.6	28.8	21.0	21.2	4.4	22.6	34.8	23.4	34.0	24.0	33.6
6	30.6	18.8	22.0	29.6	20.8	21.8	3.6	22.0	35.0	23.0	33.6	24.2	32.0
7	31.0	19.8	22.8	28.2	21.4	21.4	4.2	23.0	34.0	23.6	33.0	24.2	31.0
8	30.8	19.4	22.4	28.6	21.2	21.8	3.5	22.0	35.0	22.4	34.0	24.0	32.8
9	29.8	18.8	22.6	29.4	21.2	21.4	3.9	22.8	34.2	23.6	33.0	23.8	32.8
10	30.5	17.4	22.6	28.2	21.0	21.0	3.8	23.0	34.2	24.6	34.0	25.0	33.0
11	29.6	19.6	22.0	29.0	20.8	21.4	3.9	22.0	34.0	23.0	33.6	23.6	33.2
12	30.6	17.8	22.2	30.6	21.0	21.2	3.8	22.0	34.6	23.2	33.8	23.8	33.0
13	31.8	19.0	22.6	30.4	21.2	21.6	4.0	22.4	34.4	23.8	33.6	24.0	33.2
14	31.6	19.4	22.0	29.0	20.8	21.6	4.0	22.4	34.0	23.6	32.8	24.4	31.6
15	30.8	18.8	22.0	29.8	20.8	21.6	3.8	22.0	36.0	23.4	34.0	24.0	33.8
16	31.0	19.0	22.2	28.0	21.0	21.4	4.2	22.4	27.0	23.4	25.0	23.6	24.4
17	29.8	19.2	22.4	28.0	21.2	21.6	3.6	22.6	37.4	23.6	36.0	23.8	31.8
18	29.2	18.8	22.2	27.0	21.4	21.6	2.8	22.4	36.0	23.8	34.4	24.2	33.2
19	28.0	19.4	21.8	28.2	20.8	21.0	3.0	22.0	33.0	23.4	31.8	24.0	30.0
20	28.8	19.6	22.0	26.8	20.6	20.8	3.4	21.8	33.2	22.0	31.0	23.4	30.0
21	28.0	19.2	21.8	27.4	20.8	20.8	3.6	22.8	33.0	23.6	31.2	23.8	30.0
22	27.6	18.8	21.4	27.0	20.6	20.4	3.2	22.4	33.0	23.8	31.0	23.9	29.0
23	27.2	18.0	20.2	26.0	19.8	20.6	2.8	21.8	28.8	22.0	27.0	23.0	26.0
24	26.2	17.8	22.0	28.0	20.8	21.8	2.4	21.8	28.0	22.0	27.2	23.4	26.0
25	29.6	19.6	22.6	27.8	21.6	21.2	3.9	21.6	27.6	22.4	26.6	23.0	26.0
26	28.8	19.0	21.8	26.0	20.8	21.0	3.2	21.0	28.0	22.0	27.0	22.8	26.2
27	26.2	17.8	22.0	27.0	20.8	21.4	2.5	21.0	27.8	23.0	26.6	24.0	25.0
28	27.4	19.0	22.0	28.0	21.0	21.2	3.0	21.4	26.6	22.4	25.8	23.2	25.0
29	29.2	18.4	21.8	27.0	20.8	21.0	3.6	21.6	27.8	22.0	27.0	23.4	26.6
30	27.6	17.8	21.6	27.2	20.4	20.8	3.0	21.8	28.8	22.0	27.4	22.6	27.0
31	28.0	18.0	22.0	28.6	20.8	21.6	3.0	22.0	29.6	23.2	28.0	23.8	27.4
Mean	29.5	18.8	22.1	28.3	21.0	21.3	3.6	22.2	32.7	23.1	31.5	23.8	30.5
Weekly mean													
Std. Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	30.9	19.1	22.5	29.2	21.2	21.5	4.1	22.5	35.7	23.4	34.8	24.3	33.8
Std. Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	30.7	18.7	22.3	29.5	21.0	21.4	3.9	22.4	34.5	23.6	33.5	24.1	32.9
Std. Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	28.9	19.1	22.0	27.5	20.9	21.1	3.4	22.3	33.2	23.4	31.5	23.8	29.8
Std. Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	27.8	18.5	21.8	27.1	20.8	21.2	3.0	21.5	27.8	22.3	26.7	23.3	25.8
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 : 2019

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. Pr. (mm) 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	17.9	15.5	88	51	11.4	230	270	3.2	3	3	0.0	5.2			
2	18.8	15.0	91	47	13.7	270	270	10.0	3	3	0.0	6.2			
3	18.6	14.9	91	48	11.8	230	230	10.0	4	3	0.0	6.8			
4	18.2	13.9	90	45	11.2	270	230	7.8	6	4	0.0	7.4			
5	17.8	14.7	86	49	12.5	230	230	9.5	8	4	0.0	6.6			
6	17.8	15.3	90	49	11.5	270	270	3.4	6	4	0.0	4.8			
7	18.3	15.3	88	54	11.6	230	230	7.3	6	4	0.0	6.2			
8	18.2	15.8	90	54	11.2	230	270	1.7	6	4	0.0	4.8			
9	18.1	14.7	88	48	11.8	270	270	6.3	6	2	0.0	5.6			
10	17.8	14.7	86	51	11.6	270	230	6.4	3	3	2.0	5.0			
11	17.8	14.9	90	50	11.2	230	270	5.9	2	3	0.0	4.8			
12	18.0	13.7	90	42	8.3	230	270	8.3	2	3	0.0	4.4			
13	18.1	14.5	88	44	8.2	270	270	7.3	3	3	0.0	4.8			
14	17.8	15.2	90	51	8.3	230	230	7.7	3	3	0.0	5.4			
15	17.8	14.8	90	47	8.0	230	230	7.0	3	3	0.0	4.8			
16	18.0	15.5	90	55	8.4	230	230	10.6	2	2	2.6	5.0			
17	18.2	15.8	90	56	7.6	270	270	7.0	3	3	0.0	4.8			
18	18.7	16.4	93	61	6.3	270	230	1.3	3	6	11.2	4.0			
19	17.9	14.7	91	51	6.9	230	230	1.8	8	6	0.0	3.6			
20	17.4	15.1	88	57	8.2	230	230	3.6	6	6	0.0	4.0			
21	17.9	14.8	91	54	10.5	230	230	5.4	6	6	0.0	4.0			
22	17.8	14.3	93	54	9.3	230	230	2.7	8	6	2.2	3.8			
23	17.1	15.2	96	60	9.5	270	230	0.2	6	6	9.8	3.0			
24	17.8	16.1	90	57	8.4	230	270	0.0	4	6	0.0	3.2			
25	18.8	15.2	91	54	8.7	270	230	7.7	6	6	0.0	4.8			
26	17.9	15.9	91	63	8.3	230	230	2.3	8	6	3.6	3.4			
27	17.8	16.0	90	60	8.3	230	230	0.0	4	6	0.0	4.8			
28	18.1	15.1	91	53	9.9	230	230	0.7	6	6	0.0	4.2			
29	17.9	15.3	91	57	8.9	230	230	5.5	8	6	2.8	3.8			
30	17.3	14.9	89	55	10.8	270	270	0.2	6	4	0.0	4.0			
31	17.8	15.5	90	53	10.4	230	230	1.1	2	4	0.0	4.2			
Mean	18.0	15.1	90	53	9.8	....	....	4.9	5	4	34.2	4.8	
Weekly mean															
Std. Week No:27 (July 2 - July 8) No. of Days: 7															
Mean	18.2	15.0	89	49	11.9	...	...	7.1	6	4	0.0	6.1	
Std. Week No:28 (July 9 - July 15) No. of Days: 7															
Mean	17.9	14.6	89	47	9.6	...	...	7.0	3	3	2.0	5.0	
Std. Week No:29 (July 16 - July 22) No. of Days: 7															
Mean	18.0	15.2	91	55	8.2	...	...	4.6	5	5	16.0	4.2	
Std. Week No:30 (July 23 - July 29) No. of Days: 7															
Mean	17.9	15.6	92	58	8.9	...	...	2.3	6	6	16.2	3.9	
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