

MONTHLY RECORD OF OBSERVATIONS at *Richmond Va.*, for the Month of *July*, 191*9*.

DATE.	TEMPERATURE.							PRECIPITATION.										DATE.									
	(c) Maximum.	(c) Minimum.	(b) Range.	(b) Change.	(c) Mean. (Max. and Min.)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Character. †	Beginning.	Ending.	Character. †	Beginning.	Ending.	Character. †	Beginning.	Ending.		Total (Mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. †† p. m.	Snow unmelted. †† p. m.	Hail, sleet, and snow on ground at †† p. m.	Amount of precipitation from melted snow (mid. to mid.).	
	(°)	(°)	(°)	(°)	(°)													In.				In.	In.	In.	In.		
1	75	61	14	6	68	78	-10	-10										0	.14	-.14	-.14	0	0	0	0	1	
2	78	61	17	2	70	78	-8	-18										0	.14	-.14	-.28	0	0	0	0	2	
3	86	67	19	6	76	78	-2	-20										0	.15	-.15	-.43	0	0	0	0	3	
4	88	67	21	2	78	78	0	-20										0	.14	-.14	-.57	0	0	0	0	4	
5	88	67	21	0	78	78	0	-20										0	.14	-.14	-.71	0	0	0	0	5	
6	89	65	22	2	76	79	-3	-23										0	.14	-.14	-.85	0	0	0	0	6	
7	91	66	25	2	78	79	-1	-24										0	.13	-.13	-.98	0	0	0	0	7	
8	92	68	24	2	80	79	+1	-23										0	.15	-.15	-.113	0	0	0	0	8	
9	85	68	17	4	76	79	-3	-26	R	11:17a	11:30a	R	1:02p	1:18p	R	8:54p	10:20p	39	.14	+25	-.88	0	0	0	0	9	R
10	92	70	22	5	81	79	+2	-24	R	6:25p	7:10p	R	5:40p	5:55p				05	.14	-.09	-.97	0	0	0	0	10	R
11	90	70	20	1	80	79	+1	-23	R	5:30p	6:48p	R	8:15p	9:40p	R	11:30p	11:45p	06	.14	-.08	-1.05	0	0	0	0	11	R
12	88	70	18	1	79	79	0	-23										0	.14	-.14	-1.19	0	0	0	0	12	
13	92	68	24	1	80	79	+1	-22										0	.13	-.13	-1.32	0	0	0	0	13	
14	92	72	20	2	82	79	+3	-19	R	11:40a	11:56a	R	12:20p	1:10p				04	.13	-.09	-1.41	0	0	0	0	14	R
15	92	72	20	0	82	79	+3	-16	R	7:20p	8:15p							04	.14	-.10	-1.51	0	0	0	0	15	R
16	95	71	24	1	83	80	+3	-13										0	.13	-.13	-1.64	0	0	0	0	16	
17	94	71	23	1	82	80	+2	-11										0	.13	-.13	-1.77	0	0	0	0	17	
18	93	71	22	0	82	80	+2	+19	R	7:35p	11:40p							39	.12	+27	-1.50	0	0	0	0	18	
19	83	66	17	8	74	80	-6	-15										0	.12	-.12	-1.62	0	0	0	0	19	
20	84	63	21	0	74	80	-6	-21										0	.13	-.13	-1.75	0	0	0	0	20	
21	94	71	23	8	82	80	+2	-19	R	7:24p	7:41p	R	10:29p	10:50p				16	.13	+03	-1.72	0	0	0	0	21	R
22	90	71	19	2	80	80	0	-19										0	.14	-.14	-1.86	0	0	0	0	22	
23	81	66	15	6	74	80	-6	-25										0	.14	-.14	-2.00	0	0	0	0	23	
24	87	67	20	3	77	80	-3	-28	R	5:25p	9:37p							12	.15	-.03	-2.03	0	0	0	0	24	R
25	80	65	15	5	72	80	-8	-36										0	.16	-.16	-2.19	0	0	0	0	25	
26	85	68	17	4	76	80	-4	-40										0	.16	-.16	-2.35	0	0	0	0	26	
27	86	64	22	1	75	79	-4	-44										0	.17	-.17	-2.52	0	0	0	0	27	
28	90	62	28	1	76	79	-3	-47										0	.17	-.17	-2.69	0	0	0	0	28	
29	90	70	20	4	80	79	+1	-46	R	1:10p	1:30p							7	.16	-.16	-2.85	0	0	0	0	29	
30	85	68	17	4	76	79	-3	-49	R	11:10p	11:40p							7	.16	-.16	-3.01	0	0	0	0	30	
31	90	64	26	1	77	79	-2	-51	R	7:14p	7:28p	R	9:15p	9:20p				7	.16	-.16	-3.17	0	0	0	0	31	R
32	2723	2090	633	85	2404	2455			Total excess or deficiency since January 1.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.25	.42		Total excess or deficiency since January 1.	0	0	(a)	(a)	(a)	
M	878	674	204	2.7	77.5				(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)	(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. † Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. †† Enter the local standard time of observation. * Inches and tenths.