

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Richmond, Va., for the Month of JUL - - 1919, 191

DATE.	TEMPERATURE. <i>753</i>							PRECIPITATION. <i>7105</i>																	DATE.			
	Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.) (b)	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 un-melted. p.m. to p.m. ††	Snow un-melted. p.m. to p.m. ††	Hail, sleet, and snow on ground at p.m. ††		Amount of precipitation from melted snow (mid. to mid.) In.		
<i>Tuesday</i> 1	84	54	30	7	69	78	-9	-9										0	.14	-.14	-.14	0	0	0	0	1		
2	93	62	31	9	78	78	0	-9										0	.14	-.14	-.28	0	0	0	0	2		
3	96	63	33	2	80	78	+2	-7										0	.15	-.14	-.43	0	0	0	0	3		
4	93	69	24	6	86	78	+8	-7										0	.14	-.14	-.57	0	0	0	0	4		
5	94	74	20	2	84	78	+6	-7										0	.14	-.14	-.71	0	0	0	0	5		
6	96	73	23	0	84	79	+5	+12										0	.14	-.14	-.85	0	0	0	0	6		
7	79	68	11	10	74	79	-5	+7	R	7:50a	10:10a							7	.13	-.13	-.98	0	0	0	0	7		
8	85	63	22	0	74	79	-5	+2										0	.15	-.15	-.113	0	0	0	0	8		
9	81	59	22	4	70	79	-9	-7										0	.14	-.14	-.127	0	0	0	0	9		
10	85	64	21	4	74	79	-5	-12	R	1:17p	1:50p							7	.14	-.14	-.141	0	0	0	0	10		
11	86	67	19	2	76	79	-3	-15	R	DNa	DNa							.36	.14	+22	-.119	0	0	0	0	11		
12	87	66	21	0	76	79	-3	-18										0	.14	-.14	-.133	0	0	0	0	12		
13	92	74	18	7	83	79	+4	-11										0	.13	-.13	-.146	0	0	0	0	13		
14	87	69	18	5	78	79	-1	-15										0	.13	-.13	-.159	0	0	0	0	14		
15	89	68	21	0	78	79	-1	-16	R	6:15p	11:45p							.60	.14	+46	-.113	0	0	0	0	15		
16	87	70	17	0	78	80	-2	-18	R	2:50p	6:25p	R	7:05p	---				.97	.13	+84	-.29	0	0	0	0	16		
17	78	69	9	4	74	80	-6	-24	R	---	1:20p	R	3:20p	---				.47	.13	+34	+05	0	0	0	0	17		
18	82	71	11	2	76	80	-4	-28	R	---	12:00p	R	12:20p	1:05p	R	2:35p	3:00p	R	3:45p	---	2.20	.12	+2.08	12.13	0	0	0	18
19	82	72	10	1	77	80	-3	-31	R	---	DNa	R	DNa	8:10a	R	9:55a	7:55p	R	9:10p	---	.11	.12	-.01	+2.12	0	0	0	19
20	78	71	7	3	74	80	-6	-37	R	---	DNa	R	7:55a	8:10a	R	9:10a	6:35p	R	8:32p	---	2.43	.13	+2.30	+4.42	0	0	0	20
21	80	70	10	1	75	80	-5	-42	R	---	7:35a	R	9:10a	11:45a	R	12:15p	6:35p	R	10:10p	---	1.09	.13	+96	+5.38	0	0	0	21
22	78	72	6	0	75	80	-5	-47	R	---	10:40a	R	11:32a	---				X	1.06	.14	+92	+6.30	0	0	0	22		
23	83	71	12	2	77	80	-3	-50	R	---	DNa							.19	.14	+05	+6.35	0	0	0	0	23		
24	84	72	12	1	78	80	-2	-52										0	.15	-.15	+6.20	0	0	0	0	24		
25	87	69	18	0	78	80	-2	-54										0	.16	-.16	+6.04	0	0	0	0	25		
26	92	70	22	3	81	80	+1	-53										0	.16	-.16	+5.88	0	0	0	0	26		
27	93	73	20	2	83	79	+4	-49										0	.17	-.17	+5.71	0	0	0	0	27		
28	94	75	19	1	84	79	+5	-44										0	.17	-.17	+5.54	0	0	0	0	28		
29	92	73	19	2	82	79	+3	-47	R	2:01p	2:48p	R	3:37p	3:50p				.21	.16	+05	+5.57	0	0	0	0	29		
30	84	66	18	7	75	79	-4	-51										0	.16	-.16	+5.41	0	0	0	0	30		
31	84	65	21	1	76	79	-3	-54	R	9:16p	---							.15	.16	-.01	+5.50	0	0	0	0	31		
S	2687	2122	565	84	2402	2455	Total excess or deficiency since January 1;	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	997	4.42	Total excess or deficiency since January 1;	0	0	(a)	(a)	(a)			
M	86.7	68.5	18.2	2.7	77.5	(a)	± 0	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	± 6.55	(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.

x Daily total estimated