

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field)

JULY, 1966

Latitude 37° 30' N.

Longitude 77° 20' W.

Elevation (ground) 162 ft.

EASTERN

Standard time used

Date	Temperature (°F)						Precipitation		Snow, Sleet, Hail or Ice on ground at (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	James River Stage at 6:00AM	Date
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Total (Water equivalent) (In.)	Snow, Sleet, Hail (In.)	Prevailing direction		Average speed (m. p. h.)	Fastest mile	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)					
1	94	69	82	+5	0	0	0	SSW	7.6	12	SW	11:59	81	5	5			0.5	1	
2	96	70	83	+6	0	0	0	S	6.6	10	SE	12:34	86	1	1			0.6	2	
3	96	71	84	+7	0	0	0	SW	5.8	11	E	12:26	84	3	2			0.4	3	
4	95	71	85	+6	0	0	0	SE	6.0	13	SE	14:07	96	2	2			0.4	4	
5	97	72	86	+8	0	0	0	SW	8.6	16	SW	14:39	100	3	4	T		0.3	5	
6	94	72	83	+6	0	0	0	SW	7.7	13	SW	9:02	62	6	7			0.3	6	
7	93	71	82	+4	0	.04	0	SW	6.4	13	SE	8:41	59	7	7	TDL		0.3	7	
8	93	71	82	+4	0	.76	0	SSE	6.3	18	SE	9:31	65	8	8	T		0.3	8	
9	90	73	82	+4	0	2.79	0	S	5.9	13	NE	5:45	39	9	9	TDL		0.5	9	
10	87	72	80	+2	0	0	0	NW	5.1	18	NE	4:28	31	9	8	TDL	F	0.7	10	
11	86	72	79	+1	0	.46	0	NW	4.1	13	N	1:56	10	10	9	TDL		1.0	11	
12	85	70	77	-1	0	1.96	0	NE	5.7	22	NE	2:31	17	9	10	TDL		1.6	12	
13	81	65	73	-6	0	0	0	E	8.3	18	NE	12:14	84	4	4			1.8	13	
14	87	60	74	-4	0	0	0	S	5.1	10	S	14:22	99	4	2			1.8	14	
15	91	70	81	+3	0	0	0	S	9.6	16	S	13:40	94	8	5			1.0	15	
16	94	74	84	+6	0	0	0	SSW	8.9	11	S	13:48	94	4	3			1.0	16	
17	96	74	85	+7	0	0	0	S	4.9	11	SW	12:43	88	2	2			1.0	17	
18	95	74	85	+7	0	.20	0	NW	5.2	12	N	13:18	92	1	2	TDL		0.6	18	
19	89	73	81	+3	0	0	0	WNW	4.8	11	N	10:56	76	6	5	DL		0.2	19	
20	92	71	82	+4	0	0	0	SSE	4.4	13	S	11:38	81	3	2			0.2	20	
21	94	70	82	+4	0	0	0	S	4.4	10	S	13:22	95	3	3			0.5	21	
22	97	75	86	+8	0	0	0	SW	7.2	9	S	13:49	96	0	1			0.0	22	
23	96	75	85	+7	0	.64	0	SSW	7.0	56	NW	9:47	68	2	4	TDL		0.0	23	
24	92	72	82	+4	0	.73	0	SSW	8.6	17	S	9:30	66	7	6	TDL		0.0	24	
25	88	72	80	+2	0	.03	0	N	5.4	10	NE	10:49	76	7	5			0.0	25	
26	92	71	82	+4	0	0	0	SE	4.8	11	S	12:11	86	4	2			0.0	26	
27	95	75	84	+6	0	0	0	S	5.8	10	S	14:06	99	2	1			0.0	27	
28	94	75	84	+6	0	.14	0	SW	6.3	20	NE	10:28	74	4	4	TDL		0.0	28	
29	82	75	78	0	0	T	0	NNE	10.4	17	NE	0:08	1	9	8			0.0	29	
30	85	71	77	-1	0	.18	0	NE	11.3	26	NE	4:32	32	9	8			0.2	30	
31	89	75	81	+3	0	0	0	ENE	9.1	17	SE	10:50	77	6	5			0.0	31	
Sum	2850	2211				7.93	0			207.3		319:51		157	144			15.0	Sum	
Avg	91.3	71.3								6.7	Fastest	448:35	71	5.1	4.6			0.5	Avg	

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 58

<p>TEMPERATURE (°F) Average monthly 81.3 Departure from normal +3.8 Highest 97 on 5th, 22nd Lowest 60 on 14th Number of days with - Max. 32° or below 0 Max. 90° or above 21 Min. 32° or below 0 Min. 0° or below 0</p>	<p>HEATING DEGREE DAYS (base 65°): Total this month 0 Departure from normal 0 Seasonal total (since July 1) 0 Seasonal departure from normal 0</p>	<p>PRECIPITATION (In.) Total for the month 7.93 Departure from normal +2.29 Greatest in 24 hours 3.55 on 8-9 Snow, Sleet and Hail - Total for the month 0 Greatest in 24 hours 0 on - Greatest depth on ground 0 on - Dates of - Hail None Sleet None Glaze None</p>	<p>Symbols used in columns 18-19 A = Hail L = Drizzle BS = Blowing snow N = Sand DL = Distant lightning R = Rain D = Dust S = Snow E = Sleet T = Thunderstorm F = Fog ZL = Freezing drizzle H = Haze ZR = Freezing rain K = Smoke *When this elevation differs from the present station elevation this level was selected to permit comparison of data for a longer period of homogeneous record.</p>
<p>Excessive Precipitation Period: minutes 5 10 15 20 30 45 60 80 100 120 150 180 July 8-9, amounts .35 .56 .86 1.11 1.55 2.10 2.45 2.80 2.96 3.24 3.44 3.45 July 12, amounts .18 .36 .49 .65 .75 .78 .78 .78 .78 .78 .78 .78 July 23, amounts .26 .50 .57 .59 .60 .60 .63 .64 .64 .64 .64 .64</p>	<p>BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 feet, m. s. l.) 29.860 Highest sea level 30.31 on 13th Lowest sea level 29.80 on 24th</p>	<p>WARMEST JULY SINCE ESTABLISHMENT OF STATION IN 1898. The number of days with maximum 90° or above equalled the July record for the greatest number. The fastest mile of wind made a new record for July.</p>	

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																								1	
2																								2	
3																								3	
4																								4	
5																								5	
6																								6	
7																								7	
8																			.04	T				8	
9																		T	.02	.01		T	T	.75	9
10																								10	
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