

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

RICHMOND, VIRGINIA (Byrd Field)

JULY 1957

Latitude 37° 30' N.

Longitude 77° 20' W.

Elevation (ground)

162 ft.

EASTERN Standard time used

Date	Temperature (°F)			Precipitation	Snow, Sleet, or Ice on ground at 7:00 A.M. (In.)	Wind			Sunshine	Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	James River Stage at 8:00AM	Date								
	Maximum	Minimum	Average			Departure from normal	Degree days (base 65°)	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	85	65	75	-2	0	0	0	0	NNW	6.6	13	NW	12:56	88	3	3			1.0				1
2	81	60	71	-6	0	0	0	0	NNW	5.7	13	N	14:29	98	7	5			1.0				2
3	90	55	73	-4	0	0	0	0	SW	6.3	13	SW	14:42	100	1	1			1.0				3
4	96	66	81	+4	0	0	0	0	SW	9.4	14	SW	11:57	81	5	5			1.0				4
5	95	74	85	+8	0	0	0	0	SSW	10.5	17	SW	9:46	67	8	8			1.0				5
6	88	60	74	-3	0	0	0	0	WNW	5.8	9	SW	14:18	97	1	0	T		1.0				6
7	92	63	78	+3	0	0	0	0	S	4.4	8	S	10:44	73	5	5			0.8				7
8	93	68	81	+3	0	0	0	0	WNW	5.9	10	SW	10:56	75	8	7			0.6				8
9	93	76	85	+7	0	0	0	0	WSW	9.1	20	SW	4:20	30	9	9	DL		0.4				9
10	88	67	78	-4	0	0	0	0	NNW	8.5	18	NW	12:17	84	1	2			0.4				10
11	88	59	74	-4	0	0	0	0	NNW	6.5	12	W	14:22	98	2	2			0.2				11
12	94	66	80	+2	0	0	0	0	SSW	6.0	11	W	7:11	49	9	7			0.0				12
13	97	71	84	+6	0	0	0	0	S	9.0	15	W	7:47	53	9	9			0.0				13
14	95	76	86	+8	0	0	0	0	WSW	7.2	16	S	9:47	67	6	7	T		0.0				14
15	91	73	82	+4	0	.01	0	0	WSW	6.0	13	SE	9:34	66	8	7	T		0.2				15
16	88	70	79	+1	0	0	0	0	NNE	8.7	17	NE	11:55	82	3	5	T,DL		0.0				16
17	89	64	77	-1	0	0	0	0	E	7.4	18	E	9:23	65	6	6			0.2				17
18	87	69	78	0	0	0	0	0	E	8.3	17	NE	4:19	30	9	9			0.2				18
19	88	61	75	-3	0	0	0	0	SE	7.4	16	SE	14:26	100	4	4			0.0				19
20	93	62	78	+6	0	0	0	0	S	5.9	13	SE	14:07	98	2	1			0.0				20
21	98	70	84	+6	0	0	0	0	SW	7.8	13	SW	14:16	99	4	2			0.0				21
22	100	74	87	+9	0	.24	0	0	SW	8.1	21	NW	12:04	84	2	4	T		0.5				22
23	95	72	84	+6	0	.96	0	0	SW	6.3	19	NW	8:35	60	6	6	T		0.0				23
24	81	66	74	-6	0	0	0	0	NNE	9.2	17	NE	9:11	64	6	6			0.0				24
25	84	59	72	-6	0	0	0	0	NNE	5.7	10	NE	12:09	85	5	5			0.0				25
26	83	61	72	-6	0	0	0	0	SE	6.0	17	SE	4:52	34	10	4			0.4				26
27	85	65	75	-3	0	.52	0	0	E	6.1	15	NW	4:38	33	9	9			0.2				27
28	87	67	77	-1	0	.05	0	0	SE	6.1	17	SE	9:33	67	7	5	T,DL		0.2				28
29	89	67	78	0	0	0	0	0	S	8.1	16	SE	12:17	87	7	5			0.2				29
30	90	67	79	+1	0	0	0	0	S	6.8	17	SE	10:26	73	7	5			0.2				30
31	96	69	83	+5	0	0	0	0	SSW	5.1	17	NW	10:54	77	5	4	T		0.2				31
Sum	2799	2062				1.80	0			219.9			328:11		174	159			9.9				Sum
Avg.	90.3	66.5								7.1	Fastest	Dir.	Possible	%	5.6	5.1			0.3				Avg.
											21	NW	44:8:35	73									Misc.

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 21

TEMPERATURE: (°F) Average monthly 78.4 Departure from normal + 0.9 Highest 100 on 22nd Lowest 55 on 3rd Number of days with - Max. 32° or below 0 Max. 90° or above 16 Min. 32° or below 0 Min. 0° or below 0	HEATING DEGREE DAYS (base 65°): Total this month 0 Departure from normal 0 Seasonal total (since July 1) 0 Seasonal departure from normal 0	PRECIPITATION: (In.) Total for the month 1.80 Departure from normal - 3.84 Greatest in 24 hours .96 on 23rd Snow, Sleet - 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
BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 feet, m. s. l.) 29.818 Highest sea level 30.25 on 26th Lowest sea level 29.72 on 5th		

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.

Least monthly rainfall since 1954 when 1.30 inches recorded. However, all rainfall this month except .01 inch came in the last ten days of the month, so the long dry spell from 1st to 21st yielding only .01 inch rainfall is the longest dry spell of any July for the entire period of precipitation records beginning in 1871.

ERRATA: June 1957 Supplement Time of Hourly Observations Table H should be on the even hour instead of 20 minutes past.
HOURLY PRECIPITATION (In.)

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																							T	5	
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