

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

## LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field)

AUGUST 1957

Latitude 37° 30' N.

Longitude 77° 20' W.

Elevation (ground) 162 ft.

EASTERN Standard time used

Date	Temperature (°F)			Precipitation (In.)	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			Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)					Midnight to midnight (tenths)			
1	93	69	81	+3	0	0	0	0	W	4.7	9	E	14:04	100	3	4			0.1	1
2	93	69	81	+3	0	0	0	0	N	6.9	15	SE	14:04	100	2	1			0.2	2
3	97	69	83	+5	0	0	0	0	SW	8.2	17	SE	13:23	95	3	2			0.0	3
4	96	71	84	+6	0	.17	0	0	SSW	8.0	26	NW	8:55	64	9	8	T,DL		0.4	4
5	85	67	76	+1	0	.16	0	0	N	9.4	17	N	12:39	91	3	9			0.2	5
6	80	57	69	-8	0	0	0	0	NW	7.9	14	NE	13:45	99	1	1			0.2	6
7	83	54	69	-8	0	0	0	0	NW	5.5	12	NW	13:53	100	5	5			0.2	7
8	89	59	74	+3	0	0	0	0	NW	5.3	10	NW	8:05	58	7	8			0.0	8
9	94	57	74	+4	0	0	0	0	SSW	5.0	10	NW	6:22	46	6	8			0.0	9
10	91	71	81	+4	0	T	0	0	NW	6.4	18	NW	5:20	32	9	8			-0.5	10
11	91	65	78	+1	0	0	0	0	NW	6.6	9	S	10:04	73	4	4			-0.5	11
12	95	70	83	+6	0	T	0	0	SSW	5.6	8	N	10:22	76	4	4	T,DL		-0.5	12
13	80	65	73	+4	0	0	0	0	NNE	9.7	19	NE	10:51	79	7	6			-0.5	13
14	85	63	74	+3	0	0	0	0	S	7.0	13	S	4:01	29	9	7			-0.5	14
15	85	73	79	+2	0	.65	0	0	S	7.3	11	SW	1:14	9	10	10	T	F	-0.5	15
16	95	69	82	+6	0	T	0	0	NW	6.0	16	NE	11:16	83	4	5			0.0	16
17	79	65	72	-4	0	0	0	0	NNE	8.6	18	NE	7:17	54	9	6			0.0	17
18	75	62	69	-7	0	.60	0	0	E	5.1	13	SE	2:17	17	9	9			0.0	18
19	68	62	65	-11	0	3.62	0	0	NE	10.9	26	NE	0:10	0	10	10			0.0	19
20	77	63	70	-6	0	T	0	0	NW	6.4	11	NW	7:22	55	7	8			0.0	20
21	84	59	72	-4	0	0	0	0	NE	5.2	13	NE	12:53	96	2	3			-0.2	21
22	80	61	71	-5	0	T	0	0	NNE	9.4	20	NE	12:43	95	3	2			0.3	22
23	77	59	68	-8	0	0	0	0	NNE	8.5	16	E	10:44	81	5	4			0.0	23
24	73	56	65	-10	0	T	0	0	NNE	7.1	11	NE	2:00	2	10	8			-0.5	24
25	70	62	66	-9	0	1.90	0	0	NW	10.1	23	NW	0:00	0	10	10	T		-0.5	25
26	85	58	72	-3	0	.18	0	0	SW	4.3	13	SW	8:06	61	6	5			-0.2	26
27	86	64	75	0	0	T	0	0	W	5.4	8	NW	10:31	80	4	4			-0.2	27
28	81	64	73	-2	0	0	0	0	NNE	7.0	16	NE	13:08	100	3	3			-0.2	28
29	84	63	74	+1	0	0	0	0	SE	5.0	12	SE	9:30	75	6	6			0.0	29
30	94	66	80	+6	0	0	0	0	S	5.4	8	S	10:55	84	0	1	DL		0.3	30
31	89	69	79	+5	0	.18	0	0	NNE	5.8	26	NW	10:14	79	5	5	T,DL		0.2	31
Sum	2634	1991				7.46	0			213.7			276:08		175	174			-2.7	Sum
Avg.	85.0	64.2								6.9	Fastest	Dir.	Possible	%	5.6	5.6			-0.1	Avg.
										Misc.	26	Nbr*	420:35	66						Misc.

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. \* Indicates first of several occurrences.

<b>TEMPERATURE: (°F)</b> Average monthly 74.6 Departure from normal - 1.3 Highest 97 on 3rd Lowest 54 on 7th Number of days with - Max. 32° or below 0 Max. 90° or above 10 Min. 32° or below 0 Min. 0° or below 0	<b>HEATING DEGREE DAYS (base 65°):</b> Total this month 0 Departure from normal 0 Seasonal total (since July 1) 0 Seasonal departure from normal 0	<b>PRECIPITATION: (In.)</b> Total for the month 7.46 Departure from normal +2.41 Greatest in 24 hours 4.12 on 18-19 Snow, Sleet - Total for the month 0 Greatest in 24 hours 0 on - Greatest depth on ground 0 on - Dates of - Hail 0 Sleet 0 Glaze 0
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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.

Rainfall on the 18th and 19th and again on the 25th broke a serious drought which began in early June. There was practically no run-off water from these heavy rains, since none of it fell at excessive rates. The average temperature was the lowest for any August since 1946.

### 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
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