

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

RICHMOND, VIRGINIA
 BYRD FIELD
 AUGUST 1963

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 AM (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	Cooling Degree Days (base 60)	James River Stage at City Locks # Stage in feet 8 AM	Date
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Total (Water equivalent) (In.)	Snow, Sleet (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	95	69	82	+4	0	.32	0	0	SSW	7.1	16	NE	6:30	46	7	6			14	-1.0	1
2	90	66	78	0	0	0	0	0	N	7.4	15	N	13:57	99	3	3	T		12	-0.8	2
3	96	64	80	+2	0	0	0	0	SSW	7.9	13	SW	6:58	50	7	5			15	-0.7	3
4	94	71	83	+5	0	0	0	0	SW	11.1	20	NW	4:37	33	8	8	DL		16	0.0	4
5	91	60	76	-2	0	0	0	0	N	8.2	12	N	13:29	97	5	5	DL		10	0.8	5
6	91	63	77	-1	0	0	0	0	N	6.6	10	NE	9:54	71	8	7			11	1.2	6
7	89	65	77	-1	0	0	0	0	SW	6.3	11	W	3:53	28	9	6			12	1.7	7
8	92	66	79	+2	0	0	0	0	NNW	7.6	13	NE	12:51	93	3	2			13	2.3	8
9	93	62	78	+1	0	0	0	0	S	6.6	14	E	9:09	66	4	3			13	2.5	9
10	87	67	77	0	0	0	0	0	N	6.7	9	N	2:32	18	10	9			12	2.3	10
11	88	67	78	+1	0	.46	0	0	SSW	6.3	16	S	5:47	42	8	8	T, DL		12	2.4	11
12	90	62	76	-1	0	0	0	0	SSE	6.5	12	S	10:05	73	6	5			12	1.7	12
13	89	72	81	+4	0	.08	0	0	S	10.6	17	SW	2:58	22	10	8			15	0.1	13
14	82	55	69	-8	0	0	0	0	N	10.8	18	NW	12:28	91	4	2			8	-2.0	14
15	82	51	67	-10	0	0	0	0	N	6.4	10	NW	13:37	100	1	1			4	-1.2	15
16	85	53	69	-8	0	0	0	0	SE	7.0	12	SE	11:38	86	3	2			7	-0.8	16
17	90	56	73	-4	0	0	0	0	S	7.4	15	S	11:02	81	2	1			10	-0.3	17
18	92	63	78	+2	0	0	0	0	NE	7.6	21	NE	11:03	82	6	4			12	0.5	18
19	86	67	77	+1	0	.30	0	0	NE	7.5	14	S	1:34	12	10	9	T		10	1.1	19
20	92	69	81	+5	0	0	0	0	S	8.2	16	S	6:44	50	9	9	DL		13	1.2	20
21	87	66	77	+1	0	2.19	0	0	S	5.8	13	SW	5:55	44	9	8	T		12	1.3	21
22	90	69	80	+4	0	0	0	0	SSE	5.2	8	SE	6:35	49	8	7	DL		14	2.1	22
23	91	68	80	+4	0	0	0	0	N	5.4	9	SW	10:06	76	2	2	DL		15	2.2	23
24	91	65	78	+2	0	.10	0	0	N	6.7	23	NE	8:18	62	5	5	T		13	2.1	24
25	79	61	70	-6	0	0	0	0	NNE	8.5	15	NE	5:00	38	7	8			6	2.2	25
26	79	60	70	-5	0	0	0	0	SSE	5.9	8	E	5:26	41	8	7			6	1.8	26
27	81	55	68	-7	0	0	0	0	SW	6.1	8	SE	6:35	50	7	5			7	1.3	27
28	81	53	67	-8	0	0	0	0	SSW	6.5	11	S	6:52	52	4	3			6	0.6	28
29	85	62	74	-1	0	0	0	0	SSW	8.9	15	SW	3:15	25	9	8			11	-0.4	29
30	85	70	78	+3	0	.30	0	0	SSW	6.5	9	NE	7:54	60	8	7	DL		13	-1.2	30
31	86	65	76	+2	0	0	0	0	NNE	6.9	17	NE	8:51	68	3	5	DL		11	-0.9	31
Sum	2729	1962				3.75	0			226.2			238:57	193	168				345	22.1	Sum
Avg	88.0	63.3								7.3	Fastest 23	Dir NE	Possible 420:50	58	6.2	5.4				0.7	Avg

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

<p>TEMPERATURE: (°F) Average monthly 75.7 Departure from normal -0.8 Highest 96 on 3rd Lowest 51 on 15th Number of days with - Max. 32° or below 0 Max. 90° or above 15 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 3.75 Departure from normal -1.79 Greatest in 24 hours 2.19 on 21st Snow, Sleet— Total for the month 0 Greatest in 24 hours 0 on -- Greatest depth on ground 0 on -- Dates of - Hall NONE Sleet NONE Glaze/Rime NONE</p>	<p>BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 *feet, m. s. l.) 29.807 Highest sea level 30.180 on 27, 28 Lowest sea level 29.570 on 13</p>	<p>EXCESSIVE PRECIPITATION</p> <table border="1"> <tr><th>PERIOD:</th><th>Minutes</th><th>5</th><th>10</th><th>15</th><th>20</th><th>30</th><th>45</th><th>60</th><th>80</th><th>100</th><th>120</th><th>150</th><th>180</th></tr> <tr><td>August 11</td><td>Amounts</td><td>.20</td><td>.35</td><td>.45</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td><td>.46</td></tr> <tr><td>August 21</td><td></td><td>.43</td><td>.72</td><td>.91</td><td>1.14</td><td>1.51</td><td>1.80</td><td>1.98</td><td>2.09</td><td>2.16</td><td>2.19</td><td>2.19</td><td>2.19</td></tr> </table>	PERIOD:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180	August 11	Amounts	.20	.35	.45	.46	.46	.46	.46	.46	.46	.46	.46	.46	August 21		.43	.72	.91	1.14	1.51	1.80	1.98	2.09	2.16	2.19	2.19	2.19	<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 F = Fog T = Thunderstorm H = Haze ZL = Freezing drizzle 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. **Zero of City Locks gage at 0 ft. MS)</p>
PERIOD:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180																																		
August 11	Amounts	.20	.35	.45	.46	.46	.46	.46	.46	.46	.46	.46	.46																																		
August 21		.43	.72	.91	1.14	1.51	1.80	1.98	2.09	2.16	2.19	2.19	2.19																																		

New minimum temperature records for the dates set on 15th, 16th, and 17th.

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																.10	.20	.02							1
2																									2
3																									3
4												T													4
5																									5
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7																									7
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9																									9
10																									10
11			T	T													.46						T		11
12																									12
13						T	T		.02	T	T	T	T	.04											13
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19																		.30		T					19
20																									20
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22																.10	1.07	1.02		T					22
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24																									24
25																									25
26																									26
27		T	T																						27
28																									28
29																									29
30																									30
31									.26	.04															31

Corrections, if any, to data in this issue will be published in a later issue.

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