

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

RICHMOND, VIRGINIA  
 BYRD FIELD  
 AUGUST 1961

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 65°)	James River Stage at City Locks Stage in Foot 8 in	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	90	71	81	+3	0	0	0	0	N	8.2	13	NE	13:50	98	4	4	DL		16	2.2	1	
2	88	68	78	+0	0	0	0	0	SSE	6.3	8	S	8:18	59	8	8	DL		14	2.9	2	
3	95	73	84	+6	0	0	0	0	SW	8.1	18	N	6:48	49	9	8	T		16	2.0	3	
4	89	70	80	+2	0	0	0	0	ENE	6.8	14	SE	7:33	54	8	7	F		15	1.4	4	
5	77	70	74	-1	0	0	0	0	E	7.4	11	SE	0:00	0	10	10			11	0.4	5	
6	89	71	80	+3	0	0	0	0	SSW	5.8	11	SW	8:38	62	8	7			15	-0.3	6	
7	88	71	80	+3	0	0	0	0	WSW	5.7	9	S	5:39	41	8	9			15	-0.4	7	
8	91	69	80	+3	0	0	0	0	WSW	6.5	16	SW	7:42	56	6	4	F		15	-0.7	8	
9	93	70	82	+5	0	0	0	0	SW	7.6	14	SW	9:42	70	5	4	DL		16	-0.1	9	
10	93	72	83	+6	0	0	0	0	SSW	9.5	19	SW	9:31	69	7	6			16	0.1	10	
11	92	74	83	+6	0	0	0	0	SW	8.7	17	SW	3:58	29	9	8			17	0.3	11	
12	86	73	85	+8	0	0	0	0	WSW	7.4	14	NW	6:54	50	8	7	T		16	0.9	12	
13	86	64	75	-2	0	0	0	0	NNE	7.7	13	N	10:12	74	7	7			11	0.9	13	
14	83	58	71	-6	0	0	0	0	N	7.5	10	NE	10:16	75	3	2			5	1.1	14	
15	86	55	71	-6	0	0	0	0	SSE	6.1	8	S	13:37	100	1	1			7	2.1	15	
16	92	56	74	-2	0	0	0	0	S	5.8	7	S	13:00	96	2	2	DL		11	2.1	16	
17	89	63	76	-2	0	0	0	0	ENE	7.6	12	NE	10:04	74	3	2	DL		12	1.7	17	
18	87	60	74	-2	0	0	0	0	ENE	8.1	17	NE	12:28	92	1	2			9	2.5	18	
19	78	57	68	-2	0	0	0	0	NE	7.5	11	NE	1:27	11	10	8			7	1.7	19	
20	70	65	68	-8	0	1.62	0	0	ENE	9.3	16	NE	0:00	0	10	10	DL		7	0.9	20	
21	78	65	72	-4	0	0.07	0	0	WSW	7.0	12	SW	2:13	17	9	9			8	-0.4	21	
22	83	65	74	-2	0	0.01	0	0	S	6.8	15	S	3:54	29	9	8			11	-1.3	22	
23	83	69	76	+3	0	0	0	0	SE	4.6	15	SW	1:29	11	9	8			12	-1.0	23	
24	88	67	78	+3	0	0	0	0	SE	5.9	10	SE	5:58	45	8	9	T	F	14	-0.2	24	
25	82	70	76	+1	0	0.45	0	0	SSE	5.2	16	SE	1:30	11	10	10			14	0.4	25	
26	88	69	79	+4	0	0.26	0	0	S	7.0	13	S	2:45	21	10	9	T	F	14	0.4	26	
27	90	68	79	+4	0	0	0	0	SW	6.5	9	SW	8:49	67	9	7		F	15	1.3	27	
28	91	73	82	+7	0	0.01	0	0	SSW	5.9	11	SE	8:39	66	7	7	DL		16	2.1	28	
29	93	69	81	+6	0	0	0	0	WSW	6.4	9	W	12:48	98	3	3			16	2.7	29	
30	87	64	76	+2	0	0	0	0	N	6.1	9	NE	12:43	97	1	1			12	2.5	30	
31	91	62	77	+3	0	0	0	0	SSW	4.8	8	SW	12:58	99	1	1			13	2.1	31	
Sum	2706	2071				3.90	0			213.8			233:23		203	187			396	30.3		Sum
Avg	87.3	66.8								6.9			2:20:50		6.5	6.0				1.0		Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 19

TEMPERATURE: (°F)	HEATING DEGREE DAYS (base 65°)	PRECIPITATION: (In.)	Symbols used in columns 18-19
Average monthly 77.1	Total this month 0	Total for the month 3.90	A = Hail L = Drizzle
Departure from normal +1.2	Departure from normal 0	Departure from normal -1.15	BS = Blowing snow N = Sand
Highest 96 on 12th	Seasonal total (since July 1) 0	Greatest in 24 hours 1.69 on 20-21st	DL = Distant lightning R = Rain
Lowest 55 on 15th	Seasonal departure from normal 0	Snow, Sleet—	D = Dust S = Snow
Number of days with —		Total for the month 0	E = Sleet T = Thunderstorm
Max. 32° or below 0	BAROMETRIC PRESSURE (In.)	Greatest in 24 hours 0 on —	F = Fog ZL = Freezing drizzle
Max. 90° or above 12	Avg. station (elev. 164 feet, m. s. l.) 29.923	Greatest depth on ground 0 on —	H = Haze ZR = Freezing rain
Min. 32° or below 0	Highest sea level 30.41 on 18th	Dates of — Hail 0	K = Smoke
Min. 0° or below 0	Lowest sea level 29.79 on 21st	Sleet 0 Glaze 0	

New record low temperature of 54.9 on 15th broke old record of 56.7 set in 1924.  
 EXCESSIVE PRECIPITATION  
 Period: Minutes 5 10 15 20 30 45 60 80 100 120 150 180  
 August 23rd Amounts .19 .39 .52 .54 .56 .56 .56 .56 .56 .56 .56 .56

Errata: July 1961: Correct Column 3 on 24th to read 72; correct total Column 3 to read 2084; correct average Column 3 to read 67.2. Change average monthly temperature to 78.5; chance temperature departure from normal to +1.0.  
 \*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 feet MSL

**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																								5	
6																								6	
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30																								30	
31																								31	

Known errors found in this issue will be published in later issues.  
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DEPARTMENT OF COMMERCE, WEATHER BUREAU  
**LOCAL CLIMATOLOGICAL DATA**

CHIMBORAZO PARK, RICHMOND, VIRGINIA  
 CONAL BATTLEFIELD PARK HEADQUARTERS  
 AUGUST 1961

Latitude 37° 32' N. Longitude 77° 27' W. Elevation (ground) 170 ft. Eastern Standard time used

Date	Temperature (°F) <sup>1</sup>					Precipitation		Snow, Sleet, or Ice on ground at 8:00 AM (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less					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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	97	72	85	+7	0	0																	1
2	91	69	80	+2	0	0																	2
3	90	71	81	+3	0	0																	3
4	95	69	82	+4	0	0																	4
5	89	70	80	+2	0	0																	5
6	77	70	74	-4	0	.41																	6
7	89	70	80	+2	0	0																	7
8	87	69	78	0	0	.05																	8
9	91	69	80	+2	0	0																	9
10	93	71	82	+5	0	0																	10
11	94	71	83	+6	0	.10																	11
12	92	74	83	+6	0	M																	12
13	95	65	80	+3	0	M																	13
14	93	60	77	0	0	0																	14
15	83	59	71	-6	0	0																	15
16	81	59	70	-7	0	0																	16
17	93	60	77	0	0	0																	17
18	89	64	77	0	0	0																	18
19	87	60	74	-3	0	.23																	19
20	79	63	71	-5	0	.12																	20
21	69	63	66	-10	0	1.20																	21
22	79	64	72	-4	0	0																	22
23	83	66	75	-1	0	T																	23
24	82	68	75	-1	0	.28																	24
25	83	69	76	0	0	0																	25
26	91	68	80	+4	0	T																	26
27	89	67	83	+8	0	M																	27
28	90	75	83	+8	0	M																	28
29	91	68	80	+5	0	T																	29
30	91	64	78	+3	0	0																	30
31	91	65	78	+3	0	0																	31
Sum	2724	2072				2.39																	Sum
Avg	87.9	66.8									Fastest	Dir.	Possible	%									Avg

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

TEMPERATURE: (°F)		HEATING DEGREE DAYS (base 65°):		PRECIPITATION: (In.)		Symbols used in columns 18-19	
Average monthly	77.4	Total this month	0	Total for the month	2.39	A = Hail	L = Drizzle
Departure from normal	+1.1	Departure from normal	0	Departure from normal	-2.56	BS = Blowing snow	N = Sand
Highest	97 on 1st	Seasonal total (since July 1)	0	Greatest in 24 hours	1.20 on 21st	DL = Distant lightning	R = Rain
Lowest	59 on 15, 16	Seasonal departure from normal	0	Snow, Sleet -		D = Dust	S = Snow
Number of days with -				Total for the month	0	E = Sleet	T = Thunderstorm
Max. 32° or below	0	BAROMETRIC PRESSURE (In.)		Greatest in 24 hours	0 on -	F = Fog	ZL = Freezing drizzle
Max. 90° or above	16	Avg. station (elev. *feet, m.s.l.)		Greatest depth on ground	0 on -	H = Haze	ZR = Freezing rain
Min. 32° or below	0	Highest sea level	on	Dates of - Hail	0	K = Smoke	
Min. 0° or below	0	Lowest sea level	on	Sleet	0 Glaze		

<sup>1</sup> Observation day for 24 hours ending at 8 A.M. Maximum temperatures will usually have occurred on calendar day preceding the date of entry.

\*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.