

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

RICHMOND, VIRGINIA  
 BYRD FIELD  
 JULY 1962

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 AM (In.)	Snow, Sleet (In.)	Wind		Sunshine (hours and minutes)	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				Prevailing direction	Average speed (m. p. h.)		Fastest mile	Speed (m. p. h.)						Direction
1	90	61	76	-1	0	0	NNW	7.4	13	N	11:08	76	6	17		1	
2	81	65	73	-4	0	0	SE	7.1	12	SE	4:34	31	10	9		2	
3	67	63	65	-12	0	2.12	SE	8.1	18	SE	0:00	0	10	10		3	
4	73	65	69	-8	0	.19	E	10.5	17	E	0:38	4	10	10		4	
5	86	63	75	-2	0	0	NNE	6.1	11	N	11:46	80	5	5		5	
6	86	63	75	-2	0	0	S	5.8	10	S	11:32	79	6	4		6	
7	90	63	77	-1	0	0	S	5.4	8	S	13:36	93	3	2		7	
8	92	69	81	+3	0	.04	SSW	8.3	17	SW	13:56	95	2	3	T	8	
9	93	70	82	+4	0	0	SW	8.0	13	NW	8:54	61	7	7	DL	9	
10	84	60	72	-6	0	0	NNE	7.2	15	NE	14:36	100	0	0		10	
11	90	57	74	+3	0	0	SSW	5.9	11	SW	14:33	100	2	1		11	
12	93	68	81	+3	0	0	SSW	7.2	12	SW	10:08	70	7	5		12	
13	92	67	80	+2	0	0	N	5.7	11	N	13:15	91	5	5		13	
14	89	68	79	+1	0	0	WSW	5.5	12	SW	4:20	30	10	8		14	
15	86	71	79	+1	0	.60	ESE	5.8	13	NW	5:56	41	9	10	T	15	
16	89	67	78	0	0	.82	ESE	7.2	18	NE	5:09	36	10	9	T	16	
17	83	65	74	-4	0	0	NNE	7.0	10	NE	7:58	55	8	7		17	
18	85	65	75	-3	0	.89	SSW	7.0	19	N	6:02	42	10	10	T	18	
19	86	64	75	-3	0	0	NE	4.8	8	N	10:35	73	3	4	F	19	
20	88	63	76	-2	0	0	SW	7.0	13	SW	12:51	89	4	3		20	
21	90	70	80	+2	0	0	SW	8.9	17	SW	12:40	88	7	5	DL	21	
22	89	67	78	0	0	0	W	7.0	12	W	13:49	96	4	5	DL	22	
23	88	67	78	0	0	.02	WSW	11.1	19	SW	11:25	80	6	6	DL	23	
24	84	66	75	-3	0	0	N	6.7	12	N	11:52	83	8	6		24	
25	75	65	70	-8	0	.69	SE	5.0	7	SW	0:03	0	10	10		25	
26	88	60	74	-4	0	0	WNW	8.5	16	NW	13:38	96	3	3		26	
27	80	52	66	-12	0	0	WNW	7.0	13	W	13:53	98	0	0		27	
28	83	52	68	-10	0	0	SSW	5.5	12	S	13:32	95	4	3		28	
29	71	60	66	-12	0	.28	SE	3.9	9	NW	0:00	0	10	9		29	
30	84	65	75	-3	0	0	SW	3.6	9	S	6:14	44	9	9	F	30	
31	90	69	80	+2	0	0	S	5.9	10	N	8:37	61	7	6	F	31	
Sum	264.5	199.0			5.65	0		210.1			287:10		195	177	376	44.7	Sum
Avg	85.3	64.2						6.8	Fastest	Dir.	Possible	%	6.3	5.7		1.4	Avg.
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 19 SW 4 448:17 64																	

**TEMPERATURE (°F)**  
 Average monthly 74.8  
 Departure from normal -3.3  
 Highest 93 on 9, 12th  
 Lowest 52 on 27, 28th  
 Number of days with -  
 Max. 32° or below 0  
 Max. 90° or above 9  
 Min. 32° or below 0  
 Lowest sea level 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 5.65  
 Departure from normal +.04  
 Greatest in 24 hours 2.21 on 3, 4th  
 Snow, Sleet -  
 Total for the month 0  
 Greatest in 24 hours - on 0  
 Greatest depth on ground - on 0  
 Dates of - Hail 0  
 Sleet 0 Glaze/Rime 0

**BAROMETRIC PRESSURE (In.)**  
 Avg. station (elev. 164 \*feet, m. s. l.) 29.802  
 Highest sea level 30.28 on 28th  
 Lowest sea level 29.70 on 9th

**EXCESSIVE PRECIPITATION**  
 Period: Minutes 5 10 15 20 30 45 60 80 100 120 150 180  
 July 15th Amounts .19 .30 .41 .45 .48 .53 .56 .59 .60 .60 .60 .60  
 July 16th .26 .32 .33 .33 .33 .33 .33 .33 .33 .33 .38 .38  
 July 16th .31 .38 .43 .44 .44 .44 .44 .44 .44 .44 .44 .44  
 July 18th .32 .60 .70 .75 .85 .89 .89 .89 .89 .89 .89 .89

**HOURLY PRECIPITATION (In.)**

**TEMPERATURE (°F)**  
 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.  
 \*\*Zero of City Locks gage at 0 ft. MSL  
 †Last of several occurrences.  
 ‡In September 1961 issue of Supplement to this Bulletin, several errors were noted in wet bulb temperatures in Table 1. These resulted in errors in Tables F, G & I. Copies of corrected values may be obtained free of charge by writing to National Weather Records Center, Asheville, N.C."

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	T	.01	.02	T	.02	.33	.23	.19	.08	.22	.25	.04	.06	.04	.01	.01	.03	.09	.46	T	T	.01	.04	.01	4
5																								5	
6																								6	
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31																								31	

Corrections, if any, to data in this issue will be published in a later issue.  
 Subscription Price: Monthly Local Climatological Data \$1.00 per year including annual Summary if published; \$1.00 per year for monthly Supplement only; \$1.50 per year for monthly Summary, monthly Supplement and annual Summary if published. Single copy prices: 10 cents for monthly Summary; 10 cents for monthly Supplement; 15 cents for annual Summary.  
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 USCOMM-WB-ASHEVILLE 8/1/62 - 325