

# STATION METEOROLOGICAL SUMMARY

RICHMOND, VIRGINIA (CITY OFFICE, CHIMBORAZO PARK) TEL. 3-5574

JULY 1951

Latitude 37° 32' N.

Longitude 77° 25' W.

Eastern Standard time used

Date	Temperature (°F)			Precipitation		Snow, Sleet, Hail or Ice on ground at 5:00 P. M. (In.)	Wind			Sunshine Total (hours and minutes)	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	24-Hrs. Ending 5 PM		Total Precipitation	James River Stage at 8 A.M.	Date				
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)		Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)						Direction	Maximum Temperature				Minimum Temperature			
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	89	72	81	+4	0	0.05	0.0	0											88.8	71.6	0.05	1.0	1
2	82	69	76	-1	0	T	0.0	0											86.0	70.2	T	1.0	2
3	83	65	74	-4	0	0.00	0.0	0											83.3	65.2	0.00	1.0	3
4	90	67	79	+1	0	0.03	0.0	0											89.8	66.9	0.03	1.0	4
5	85	67	76	-2	0	0.00	0.0	0											87.8	70.6	0.00	1.0	5
6	83	59	71	-7	0	0.00	0.0	0											83.0	59.3	0.00	1.0	6
7	87	64	76	-2	0	0.00	0.0	0											87.4	63.6	0.00	1.0	7
8	87	64	76	-2	0	0.00	0.0	0											87.2	63.5	0.00	0.0	8
9	88	65	77	-1	0	0.00	0.0	0											88.2	65.0	0.00	0.8	9
10	90	65	78	0	0	0.00	0.0	0											90.2	64.8	0.00	1.0	10
11	92	66	79	+1	0	0.00	0.0	0											91.5	65.8	0.00	0.4	11
12	96	68	82	+3	0	0.00	0.0	0											95.7	68.3	0.00	0.0	12
13	91	74	83	+4	0	0.00	0.0	0											93.8	74.0	0.00	0.6	13
14	85	73	79	0	0	0.27	0.0	0											86.4	73.0	0.27	0.4	14
15	90	72	81	+2	0	0.02	0.0	0											89.6	72.0	T	0.4	15
16	93	72	83	+4	0	1.35	0.0	0											93.4	71.7	0.02	1.0	16
17	92	71	82	+3	0	0.00	0.0	0											91.6	70.7	1.35	1.3	17
18	91	69	80	+1	0	0.00	0.0	0											90.7	68.8	0.00	1.3	18
19	92	66	79	0	0	0.69	0.0	0											92.2	67.3	0.50	1.3	19
20	84	67	76	-3	0	0.00	0.0	0											83.8	65.6	0.19	1.3	20
21	88	68	78	-1	0	0.00	0.0	0											87.6	68.0	0.00	1.3	21
22	94	72	83	+4	0	0.00	0.0	0											94.3	71.7	0.00	1.3	22
23	98	75	87	+8	0	0.00	0.0	0											97.9	76.3	0.00	0.8	23
24	86	72	79	0	0	0.08	0.0	0											93.8	71.6	T	0.7	24
25	84	70	77	-2	0	0.17	0.0	0											84.0	72.6	0.25	0.8	25
26	91	67	79	0	0	0.88	0.0	0											90.9	67.3	0.00	0.9	26
27	94	69	82	+3	0	0.00	0.0	0											94.4	69.0	0.88	1.2	27
28	93	71	82	+3	0	0.02	0.0	0											93.1	72.0	0.00	1.2	28
29	80	69	75	-4	0	0.13	0.0	0											88.9	68.8	0.15	1.0	29
30	87	68	78	0	0	0.00	0.0	0											87.3	68.3	0.00	0.9	30
31	90	70	80	+2	0	0.00	0.0	0											90.4	69.9	0.00	0.8	31
Sum	2755	2126				3.69	0.0												2783.0	2133.4	3.69	27.7	Sum
Avg.	88.9	68.6																	89.8	68.8	----	0.9	Avg.

T in columns 7, 8, and 9 indicates amount too small to measure.

<b>TEMPERATURE: (°F)</b>	Average monthly 78.8	<b>HEATING DEGREE DAYS (base 65°):</b>	Total this month 0	<b>PRECIPITATION: (In.)</b>	Total for the month 3.69	<b>Symbols used in columns 18-19</b>
Departure from normal +0.3	Highest 98 on 23	Departure from normal 0	Seasonal total (since July 1) 0	Departure from normal -1.04	Greatest in 24 hours 1.35 on 16	A = Hail
Lowest 59 on 8	Number of days with -	Seasonal departure from normal 0	Cooling Degree Days (base 75°): 128	Total for the month -	Greatest in 24 hours 0 on -	BS = Blowing snow
Max. 32° or below 16	Max. 90° or above 0	<b>BAROMETRIC PRESSURE (In.)</b>	Avg. station (elev. 182 feet, m. s. l.) -	Greatest depth on ground 0 on -	Dates of - Hail -	DL = Distant lightning
Min. 32° or below 0	Min. 0° or below 0	Highest sea level - on -	Lowest sea level - on -	Dates of - Sleet -	D = Dust	R = Rain
				Dates of - Glaze -	E = Sleet	S = Snow
					F = Fog	T = Thunderstorm
					H = Haze	ZL = Freezing drizzle
					K = Smoke	ZR = Freezing rain

The maximum temperature on the 23rd, 98°, was the highest of record for that date. While the mean temperature was only 0.3° above normal, there were several more than the average number of days with 90° or higher. Precipitation was subnormal for the ninth time in 10 months, June being the exception. Near drought conditions prevailed during the first half of the month, and crops suffered considerable damage. CORRECTION: June 1951: Tornado damage should read "one-half million dollars".

### HOURLY PRECIPITATION

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	
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31																								31	

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STATION METEOROLOGICAL SUMMARY

WBAS, BYRD FIELD, RICHMOND, Va.

JULY 1951

Latitude 37° 30' N.

Longitude 77° 20' W.

Eastern Standard time used

Main meteorological data table with columns for Date, Temperature (°F), Precipitation, Wind, Sunshine, Sky cover, and various weather observations.

Summary statistics table including Temperature, Heating Degree Days, Precipitation, and Barometric Pressure.

Errata to June 1951 form 1001C Hourly Precipitation Table should show 1.40 instead of 1.42 for the hour ending 6 PM on the 13th.

HOURLY PRECIPITATION

Hourly precipitation table with columns for Date, A.M. Hour ending at, P.M. Hour ending at, and Date.