

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

RICHMOND, VIRGINIA (Byrd Field)

OCTOBER 1954

Latitude 37° 30' N. Longitude 77° 20' W. Elevation (ground) 162 ft. Eastern Standard time used

Date	Temperature (°F)						Precipitation		Snow, Sleet, Hail or Ice on ground at 7:50 AM (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	James River at 8:00AM	21	22	23	24	
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Total (Water equivalent) (In.)	Snow, Sleet, Hail (In.)	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	94	70	82	+17	0	1.47	0	0	SSW	8.8	16	NE	9:02	71	8	8	T	R	-0.5				1	
2	88	69	79	+14	0	.10	0	0	S	7.8	14	NW	4:49	41	9	9	T	R	- .5				2	
3	92	67	80	+15	0	0	0	0	SW	8.4	17	SW	10:45	92	2	3			- .5				3	
4	94	71	83	+19	0	0	0	0	WSW	7.7	11	SW	11:31	99	4	5			- .5				4	
5	93	67	80	+16	0	0	0	0	SW	5.5	14	SE	11:40	100	0	0			- .5				5	
6	91	56	74	+11	0	.72	0	0	NNE	11.1	26	NW	6:44	68	5	4	T, DL		- .5				6	
7	57	41	49	-14	16	0	0	0	NE	13.4	26	NE	11:35	100	3	2			- .5				7	
8	67	35	51	-11	14	0	0	0	SE	8.9	12	NE	7:48	68	7	6			- .5				8	
9	79	48	64	+ 2	1	0	0	0	S	7.0	11	SW	10:43	93	3	5			- .5				9	
10	85	58	72	+11	0	0	0	0	SSW	7.8	14	SW	11:28	100	0	0			- .5				10	
11	87	59	73	+12	0	0	0	0	S	9.2	15	SW	11:25	100	0	0			- .5				11	
12	87	64	76	+16	0	0	0	0	SSW	9.9	15	S	11:23	100	0	0			- .5				12	
13	90	64	77	+17	0	0	0	0	S	7.8	10	SW	11:21	100	0	0			- .5				13	
14	84	66	75	+15	0	0	0	0	SSE	9.3	16	SE	3:39	32	9	7		F	- .5				14	
15	76	50	63	+ 4	2	1.15	0	0	E	21.0	68	SE	0:00	0	10	10			- .3				15	
16	65	42	54	- 5	11	0	0	0	WSW	6.9	13	SW	9:33	85	1	2			- .2				16	
17	65	41	53	- 6	12	0	0	0	SW	5.1	10	SW	11:12	100	0	0			5.8				17	
18	69	37	53	- 5	12	T	0	0	S	6.5	13	NW	8:31	76	3	4			6.3				18	
19	52	46	49	- 9	16	.08	0	0	N	9.0	13	NW	0:00	0	10	9			2.2				19	
20	56	40	48	-10	17	0	0	0	NNW	11.6	21	NW	8:55	80	1	3			1.5				20	
21	57	42	50	- 7	15	0	0	0	NW	8.0	12	NW	0:33	5	10	8			1.2				21	
22	68	40	54	- 3	11	0	0	0	NW	6.8	12	NW	11:00	100	0	0			1.0				22	
23	73	37	55	- 1	10	0	0	0	W	4.6	8	W	10:58	100	0	0			1.0				23	
24	77	38	58	+ 2	7	0	0	0	N	4.8	14	NE	10:56	100	0	0			.6				24	
25	77	41	59	+ 3	6	0	0	0	SE	4.0	7	S	10:47	99	5	3			.5				25	
26	78	46	62	+ 7	3	T	0	0	SW	7.3	15	SW	6:56	64	3	4			.5				26	
27	80	57	69	+14	0	.36	0	0	SW	9.5	17	NW	1:12	11	9	8	T		.2				27	
28	60	44	52	- 3	13	0	0	0	SE	9.5	15	N	10:47	100	1	3			0.0				28	
29	64	48	56	+ 2	9	.49	0	0	WNW	6.2	23	NW	3:26	32	8	9			0.0				29	
30	52	34	43	-11	22	.62	T	0	W	7.2	27	NW	0:00	0	10	9			.3				30	
31	52	32	42	-12	23	0	0	0	W	5.9	11	SW	5:52	56	4	4			.4				31	
Sum	2309	1550				4.99	T			254.3			244:31		125	121			14.0				Sum	
Avg.	74.5	50.0								8.2			Fastest 68		Dir SE	Possible 348:23	% 70		4.0	3.9				Avg. Misc.

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

**TEMPERATURE: (°F)**  
 Average monthly 62.3  
 Departure from normal + 3.5  
 Highest 94 on 1, 4  
 Lowest 32 on 31  
 Number of days with -  
 Max. 32° or below 0  
 Max. 90° or above 6  
 Min. 32° or below 1  
 Min. 0° or below 0

**HEATING DEGREE DAYS (base 65°):**  
 Total this month 220  
 Departure from normal + 10  
 Seasonal total (since July 1) 225  
 Seasonal departure from normal - 18

**PRECIPITATION: (In.)**  
 Total for the month 4.99  
 Departure from normal + 2.38  
 Greatest in 24 hours 1.48 on 1-2  
 Snow, Sleet and Hail -  
 Total for the month T  
 Greatest in 24 hours T on 30th  
 Greatest depth on ground 0 on -  
 Dates of - Hail none  
 Sleet 30th Glaze none

**BAROMETRIC PRESSURE (In.)**  
 Avg. station (elev. 164 feet, m.s.l.) 29.916  
 Highest sea level 30.64 on 7th  
 Lowest sea level 28.75 on 15th

**EXCESSIVE PRECIPITATION**  
 Period Minutes 5 10 15 20 30 45 60 80 100 120 150 180  
 Oct. 1 amounts .33 .52 .58 .81 1.11 1.17 1.18 1.18 1.18 1.29 1.43 1.46  
 Oct. 6 amounts .35 .54 .64 .64 .65 .68 .69 .69 .69 .69 .69 .69

**Symbols used in columns 18-19**  
 A - Hail  
 B3 - Blowing snow  
 D - Dust  
 E - Sleet  
 F - Fog  
 H - Haze  
 K - Smoke  
 L - Drizzle  
 N - Sand  
 R - Rain  
 S - Snow  
 T - Thunderstorm  
 ZL - Freezing drizzle  
 ZR - Freezing rain

Maximum temperatures on 1st, 2nd, and 15th were highest of record for those dates. Hurricane "Hazel" on 15th was attended by a peak gust of 79 mph, while the fastest mile (68 mph) was the highest of record, and the lowest S. L. Pressure (28.75 inches) was the lowest of record.

Errata Sept., 1954: James River Stage, 18th, +0.3, Monthly sum -12.1

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	T																	T	1.18	.11	.17	.01	T	2	
3																		.01	T	.02	.08			3	
4																								4	
5																								5	
6														.68	.01	T	T	T	.03					6	
7																								7	
8																								8	
9																								9	
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15	T	T	.02	.01	.03	.08	.08	.18	.40	.08	.10	.03	.11	.01	T	.01	T	.01						15	
16																								16	
17																								17	
18																								18	
19			T				T	.05	.02	.01	T	T	T	T	T									19	
20																								20	
21																								21	
22																								22	
23																								23	
24																								24	
25																								25	
26																		T					T	26	
27																	T	.18	.17	.01				27	
28																							T	28	
29			T	.10	.28	.09																	T	29	
30	T	T	T	.06	.17	.13	.18	.06	.02															30	
31																								31	

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