

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

RICHMOND, VIRGINIA (Byrd Field)

OCTOBER 1957

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 A.M. (In.)	Wind			Sunshine	Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	STAGE JAMES RIVER at 8:00AM (Feet)	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	64	56	60	-5	5	.36	0	0	SW	4.4	7	SW	0:00	0	10	10			1	
2	74	56	65	0	0	0	0	0	NNE	5.2	14	NE	8:08	69	9	9		F	2	
3	55	50	58	-7	7	0	0	0	NE	8.9	20	NE	6:17	54	9	8			3	
4	67	43	55	-9	10	0	0	0	NE	10.5	19	NE	4:21	37	8	9			4	
5	63	50	57	-7	8	.01	0	0	NNE	12.2	23	NE	0:06	0	10	9			5	
6	55	49	52	-11	13	3.95	0	0	NW	14.2	32	NW	0:00	0	10	9			6	
7	67	45	58	-7	9	0	0	0	WSW	5.0	8	NW	6:18	54	3	4			7	
8	73	48	61	-1	4	0	0	0	W	6.5	14	NW	10:05	87	3	5			8	
9	76	56	66	+4	0	0	0	0	NNW	5.7	13	NW	7:39	67	3	5			9	
10	73	52	63	+2	2	0	0	0	NNW	7.7	12	NW	11:28	100	2	3			10	
11	60	45	53	-8	12	0	0	0	N	8.7	15	NE	4:33	40	8	7			11	
12	58	38	48	-12	17	0	0	0	NNE	9.2	19	NE	9:49	86	3	2			12	
13	63	34	49	-11	16	0	0	0	ESE	5.7	10	NE	11:21	100	0	2			13	
14	68	36	52	-8	13	0	0	0	E	5.2	8	NE	11:19	100	1	2			14	
15	70	38	54	-5	11	0	0	0	SE	3.6	9	SE	11:10	99	5	6			15	
16	71	43	57	-2	8	0	0	0	E	4.8	11	SE	8:45	78	8	9			16	
17	71	54	63	+4	2	.06	0	0	SE	7.9	17	S	0:15	2	10	10		GF,K	17	
18	63	57	60	+2	5	.44	0	0	E	6.2	14	NW	0:00	0	10	10			18	
19	59	46	53	-5	12	0	0	0	NW	11.2	20	NW	4:12	38	7	7			19	
20	66	41	54	-4	11	0	0	0	WNW	8.0	17	NW	11:06	100	0	1			20	
21	67	42	55	-2	10	0	0	0	SE	5.6	9	E	10:32	96	2	4			21	
22	70	42	56	-1	9	0	0	0	SSE	5.8	12	SE	7:43	70	7	5			22	
23	75	44	60	+4	5	.03	0	0	S	9.4	22	S	8:36	78	9	7			23	
24	68	59	64	+8	1	.47	0	0	S	10.3	18	S	0:20	3	10	9			24	
25	59	41	50	-6	15	0	0	0	NNW	11.3	16	NW	0:32	5	10	7			25	
26	50	36	43	-12	22	T	0	0	NNW	9.5	13	N	0:00	0	10	8			26	
27	48	34	41	-14	24	T	0	0	NW	7.1	13	W	3:47	35	7	7			27	
28	54	30	42	-13	23	0	0	0	WNW	8.3	17	NW	10:47	100	0	0			28	
29	56	30	48	-6	17	0	0	0	S	7.0	14	S	9:02	84	6	5			29	
30	58	45	52	-2	13	0	0	0	S	7.8	13	S	0:00	0	10	9			30	
31	57	46	52	-2	13	.03	0	0	NNW	6.9	13	NW	0:00	0	10	10			31	
Sum	1998	1385				5.35	0			239.7	7.7	Dir.	178:09		200	196			Sum	
Avg.	64.5	44.7								32	Fastest	Misc.	348:23	51	6.5	6.3		40.6	1.3	Avg.

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 32

**TEMPERATURE: (°F)** Average monthly 54.6  
**HEATING DEGREE DAYS (base 65°):** Total this month 317  
 Departure from normal -4.2  
**PRECIPITATION: (In.)** Total for the month 5.35  
 Highest 76 on 9th  
 Departure from normal +2.74  
 Seasonal total (since July 1) 367  
 Greatest in 24 hours 3.96 on 5th,6th  
 Lowest 30 on 28th,29th  
 Seasonal departure from normal +124  
 Snow, Sleet--  
 Total for the month 0  
 Greatest in 24 hours 0 on --  
 Greatest depth on ground 0 on --

**BAROMETRIC PRESSURE (In.)** Avg. station (elev. 164 feet, m.s.l.) 29.961  
 Highest sea level 30.63 on 22nd  
 Lowest sea level 29.69 on 24th  
 Symbols used in columns 18-19  
 A = Hail  
 ES = Blowing snow  
 DL = Distant lightning  
 D = Dust  
 F = Fog  
 H = Haze  
 K = Smoke  
 L = Drizzle  
 N = Sand  
 R = Rain  
 S = Snow  
 T = Thunderstorm  
 ZL = Freezing drizzle  
 ZR = Freezing rain  
 \*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.

Beginning October 1, 1957, published readings will be from Telemark attached to C&S recording gage at lower City Locks, 0.9 mile down stream from USWB staff gage (zero of Telemark 0.00 ft. MSL). October, 1957, was the coolest in 61 years of record. This was due to consistently low temperatures through most of the month; only 6 days averaged slightly above normal. Rainfall was more than double the October normal. Subfreezing temperatures on the 28th and 29th ended the growing season.

**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	.01	.04	.04	.06	.07	.10	.14	.16	.22	.38	.77	.46	.73	.45	.26	.06	T					T	T	.01	6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17	.06	.02	.04				.06	.04	.09	.07	.03	.01	.03	T	T	T	T	T	.01		T	.01	.02	.03	17
18																									18
19																									19
20																									20
21																									21
22																									22
23	T			T	T		T	T	.01	.04	.05	.12	.11	.15	T	.01						T	.01	.02	23
24																									24
25																									25
26																									26
27	T	T																							27
28																									28
29																									29
30																									30
31							T	.02	T	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	T	31

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