

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

RICHMOND, VIRGINIA (Byrd Field)

NOVEMBER 1957

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

Date	Temperature (°F)			Precipitation Total (Water equivalent) (In.)	Snow, Sleet (In.)	Snow, Sleet, or Ice on ground at 7:00 A.M. (In.)	Wind			Sunshine Total (hours and minutes)	Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	STAGE JAMES RIVER at 8:00AM (Feet)	Date					
	Maximum	Minimum	Average				Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)		Direction	Percent of possible					Sunrise to sunset (tenths)	Midnight to midnight (tenths)			
1	57	52	55	+2	10	1.80	0	0	N	13.5	19	N	0:00	0	10	10				1	
2	65	52	59	+6	6	.03	0	0	NNW	8.2	16	N	1:58	19	8	6				2	
3	73	53	63	+10	2	0	0	0	WSW	5.5	13	NW	8:07	77	4	5				3	
4	69	45	57	+5	8	0	0	0	W	4.8	13	NW	4:39	44	8	6				4	
5	58	38	48	-4	17	.01	0	0	SW	5.8	18	NW	0:58	9	9	7				5	
6	57	36	47	-3	18	0	0	0	NW	7.5	17	NW	10:27	100	0	0				6	
7	66	31	49	-3	16	0	0	0	S	6.4	13	S	10:27	100	0	1				7	
8	69	41	55	+4	10	.40	0	0	S	14.3	35	S	0:00	0	10	8	DL			8	
9	59	36	48	-3	17	0	0	0	WNW	9.8	24	NW	9:02	87	1	2				9	
10	46	28	37	-14	28	0	0	0	NW	8.1	17	NW	10:20	100	0	0				10	
11	46	25	36	-14	29	0	0	0	NNW	5.6	10	NW	10:18	100	0	0				11	
12	52	22	37	-13	28	0	0	0	SSW	3.1	8	NE	6:05	79	5	2				12	
13	63	31	47	-3	18	0	0	0	NNE	4.2	9	SE	4:06	40	7	5				13	
14	66	44	55	+6	10	.23	0	0	SE	12.3	23	SE	0:00	0	10	8				14	
15	71	49	60	+11	5	0	0	0	WSW	6.4	10	NW	9:15	92	5	5			F	15	
16	65	48	57	+9	8	.04	0	0	SW	7.8	11	SW	0:00	0	10	9				16	
17	73	54	64	+16	1	0	0	0	WSW	6.8	10	E	6:22	63	7	6				17	
18	68	51	60	+12	5	.22	0	0	NE	7.0	17	S	0:00	0	10	10				18	
19	73	54	64	+17	1	.09	0	0	S	15.2	28	SE	1:37	16	9	7				19	
20	54	38	46	-1	19	0	0	0	N	7.3	12	W	6:15	62	5	3				20	
21	61	34	48	+1	17	0	0	0	WSW	8.4	14	SE	8:16	83	2	2				21	
22	50	36	43	-3	22	.03	T	0	WSW	5.5	8	SW	0:00	0	10	8				22	
23	42	37	40	-6	25	.83	0	0	NNW	7.7	12	NW	0:00	0	10	10				23	
24	59	41	50	+4	15	0	0	0	SW	9.1	14	SW	5:46	58	6	7				24	
25	49	33	41	-4	24	.83	0	0	E	7.4	12	E	0:00	0	10	8				25	
26	54	28	41	-4	24	0	0	0	WSW	4.7	12	NW	9:23	95	0	0				26	
27	60	33	47	+2	18	0	0	0	SSE	7.9	19	S	7:18	74	5	5				27	
28	62	43	53	+9	12	.12	0	0	S	6.3	13	SE	0:00	0	10	9				28	
29	67	51	59	+15	6	0	0	0	SW	7.9	13	SW	0:43	7	8	7				29	
30	62	38	50	+6	15	.67	0	0	S	10.6	22	NW	0:00	0	10	9			F	30	
31																					31
Sum	1816	1202				5.30	T			235.1			131:22		189	165				3.42	Sum
Avg.	60.5	40.1								7.8	Fastest	Dir.	Possible	%	6.2	5.5				1.1	Avg.
										Misc.	35	S	305:06	43							Misc.

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

<p><b>TEMPERATURE: (°F)</b>                  Average monthly 50.3                  Departure from normal +1.9                  Highest 73 on 3,17,19th                  Lowest 22 on 12th                  Number of days with -                  Max. 32° or below 0                  Max. 90° or above 0                  Min. 32° or below 6                  Min. 0° or below 0</p>	<p><b>HEATING DEGREE DAYS (base 65°):</b>                  Total this month 434                  Departure from normal -64                  Seasonal total (since July 1) 801                  Seasonal departure from normal +60</p>	<p><b>PRECIPITATION: (In.)</b>                  Total for the month 5.30                  Departure from normal +2.81                  Greatest in 24 hours 1.82 on 1-2                  Snow, Sleet -                  Total for the month T                  Greatest in 24 hours T on 22nd                  Greatest depth on ground 0 on -                  Dates of - Hail None                  Sleet 22nd Glaze None</p>	<p><b>BAROMETRIC PRESSURE (In.)</b>                  Avg. station (elev. 164 feet, m. s. l.) 29.910                  Highest sea level 30.81 on 11th                  Lowest sea level 29.56 on 30th</p>	<p><b>Symbols used in columns 18-19</b>                  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                  K = Smoke ZR = Freezing rain</p>
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Excessive precipitation did occur between 1745 - 1751EST on the 8th, but instrument failure prevents breakdown of time - amount values.  
 Total precipitation amount of 5.30 inches is more than twice the normal amount.

**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
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