

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

## LOCAL CLIMATOLOGICAL DATA

RICHLAND, VIRGINIA (Byrd Field)

DECEMBER 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 1/4 mile or less	STAGE JAMES RIVER at 8:00 A.M. (Feet)	Date					
	Maximum	Minimum	Average	Departure from normal	Degrees 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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	47	28	38	-5	27	0	0	0	SW	12.2	22	W	9:46	100	0	0			-0.6				1
2	60	35	48	+5	17	0	0	0	SW	9.2	17	SW	8:46	90	2	1			-2.2				2
3	51	35	42	-1	23	.24	0	0	NE	7.0	11	NE	0:00	0	10	10			-1.9				3
4	43	31	37	-5	28	.78	2.1	0	NW	12.0	20	NW	0:00	0	10	10			-1.1				4
5	41	26	34	-8	31	0	0	1	NW	8.9	13	NW	9:41	100	0	1			-1.2				5
6	57	29	43	+2	22	0	0	0	SSW	13.2	19	SW	1:25	15	10	9			0.8				6
7	68	53	61	+20	4	.20	0	0	SW	13.3	24	SW	0:37	6	10	10			0.0				7
8	57	47	52	+11	13	.62	0	0	SW	5.9	10	NE	0:00	0	10	10		LFR	0.7				8
9	48	38	43	+3	22	1.43	0	0	NW	9.7	18	NW	0:00	0	10	10			1.9				9
10	39	34	37	-3	28	.26	0	0	NW	9.1	21	NW	0:00	0	10	8			4.1				10
11	38	17	28	-12	37	.14	0.8	0	NW	9.4	18	NW	0:00	0	10	7			4.3				11
12	26	11	19	-21	46	0	0	1	W	11.9	21	SW	9:06	95	1	1			3.0				12
13	39	16	27	-12	38	0	0	T	S	10.0	17	S	9:12	96	0	2			1.6				13
14	57	30	44	+5	21	0	0	T	SW	8.2	15	SW	3:56	41	7	4			0.5				14
15	54	30	42	+3	23	0	0	0	SE	5.6	9	N	7:36	79	5	2			0.5				15
16	65	35	50	+11	15	0	0	0	SSW	8.2	11	W	6:32	68	9	7			0.5				16
17	48	37	43	+4	22	0	0	0	NE	9.5	17	NE	7:28	76	4	4			-0.2				17
18	62	34	43	+4	22	T	0	0	N	7.3	10	NE	1:02	11	10	10			-0.8				18
19	66	48	57	+18	8	T	0	0	SE	8.4	19	SE	1:18	14	10	9			-0.1				19
20	64	54	59	+20	6	2.10	0	0	S	13.7	30	S	0:00	0	10	10		RF	0.5				20
21	61	42	52	+13	13	0	0	0	WSW	9.2	17	W	9:33	100	0	0			1.5				21
22	62	32	47	+8	18	0	0	0	SE	5.4	11	NE	9:54	100	0	1			1.5				22
23	65	35	50	+11	15	0	0	0	SSW	9.2	12	SW	9:34	100	4	2			1.5				23
24	65	43	54	+15	11	.06	0	0	S	7.3	17	N	0:20	3	6	6			1.4				24
25	43	32	38	-1	27	.01	0	0	NE	8.0	12	NE	0:56	10	10	8			1.8				25
26	59	38	49	+11	16	.75	0	0	WSW	10.6	40	SE	1:29	15	8	6			2.9				26
27	50	32	41	+3	24	0	0	0	WSW	6.1	13	NW	9:34	100	1	1			2.3				27
28	53	33	43	+5	22	.29	0	0	S	6.6	10	SW	0:00	0	10	10			3.2				28
29	48	31	40	+2	25	T	0	0	NW	8.1	17	NW	8:45	91	1	2			3.8				29
30	49	29	39	+1	26	0	0	0	N	6.5	9	NE	7:16	76	2	2			2.9				30
31	54	28	41		24														1.3				31
<b>Sum</b>	<b>1629</b>	<b>1040</b>				<b>6.88</b>	<b>2.9</b>			<b>275.7</b>			<b>141.00</b>		<b>187</b>	<b>170</b>			<b>34.4</b>				<b>Sum</b>
<b>Avg.</b>	<b>52.5</b>	<b>33.5</b>								<b>8.9</b>	<b>Fastest</b>	<b>Dir.</b>	<b>Possible</b>	<b>%</b>	<b>6.0</b>	<b>5.5</b>			<b>1.1</b>				<b>Avg.</b>
										<b>40</b>	<b>SE</b>	<b>298.03</b>	<b>47</b>										<b>Misc.</b>

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 43.0                  Departure from normal +3.5                  Highest 68 on 7th                  Lowest 11 on 12th</p> <p>Number of days with -                  Max. 32° or below 1                  Max. 90° or above 0                  Min. 32° or below 15                  Min. 0° or below 0</p> <p><b>Excessive Precipitation</b>                  Period, minutes 5 10 15 20 30 45 60 80 100 120 150 180                  Dec. 20 amounts .50 .65 .70 .74 .82 .87 .92 .94 .99 1.01 1.04 1.08</p>	<p><b>HEATING DEGREE DAYS (base 65°):</b>                  Total this month 674                  Departure from normal -117                  Seasonal total (since July 1) 1475                  Seasonal departure from normal -87</p> <p><b>BAROMETRIC PRESSURE (In.)</b>                  Avg. station (elev. 164 feet, m.s.l.) 30.60 on 23rd                  Highest sea level 29.66 on 10th</p>	<p><b>PRECIPITATION: (In.)</b>                  Total for the month 6.88                  Departure from normal +3.99                  Greatest in 24 hours 2.10 on 20th</p> <p>Snow, Sleet -                  Total for the month 2.9                  Greatest in 24 hours 2.1 on 4th                  Greatest depth on ground 2.0 on 4th</p> <p>Dates of - Hall none                  Sleet 4,11 Glaze none</p>	<p>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</p> <p>*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.</p>
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This was the second wettest December in 86 years of record. The 11° reading on the 12th was a new low record for that date.

### 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	.08	.08	.09	.07	.02	.02	.03	.03	.10	.15	.06	.01	.01	.01	.01	T	T	.01	.01	T	.03	.05	.08	.08	
5																								5	
6																								6	
7	.08	.06	.05	.03	.02	.08	.08	.04	.04	.03	.05	.02	T	T	T	T	T	.01	.04	.05	.04	.01	.05		
8	.06	.12	.19	.15	.15	.12	.02	.08	T	.01	.01	.01	.09	.04	.06	.12	.04	.02	.01	.06	.04	.01	.01		
9	.02	.01	T	.01	.02	.02	T	.04	.06	T	.01	.05	.02	.01	.02	.01	.01	.01	T						
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15																								15	
16																								16	
17																								17	
18																								18	
19	T	T	T				T	T		.01	.01	.07	.33	.16	.08	.06	.57	.43	T		.03	.15	.12	T	
20																								20	
21																								21	
22																								22	
23																								23	
24																								24	
25																								25	
26	.01	.01	.05	.04	.02	.10	.12	.28	.01	T	.01	.08	.02	T										26	
27																								27	
28																								28	
29	T																							29	
30																								30	
31																								31	

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