

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

RICHMOND, VIRGINIA  
 BYRD FIELD  
 JANUARY 1960

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 7:00AM (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	COOLING DEGREE DAYS (base 60°)	STAGE James River 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 Speed (m. p. h.)	Direction	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)						
1	36	24	30	-8	35	0	0	0	NNW	4.1	10	NE	3:07	32	10	5			0	2.9	1	
2	41	21	31	-7	34	0	0	0	W	3.3	8	W	0:00	0	10	8			0	3.7	2	
3	60	31	46	+8	19	.46	0	0	W	12.6	34	S	7:22	76	4	4			0	4.3	3	
4	44	24	34	-4	31	0	0	0	SSW	6.3	9	SW	4:34	47	9	6			0	4.2	4	
5	47	30	39	+1	26	.07	0	0	SW	6.3	11	SW	2:07	22	10	9			0	2.9	5	
6	36	32	34	-4	31	.24	2.3	2	SW	3.8	8	SW	0:00	0	10	10			0	2.3	6	
7	37	34	36	-2	29	.23	0	0	SW	4.3	10	SW	0:00	0	10	10			0	1.3	7	
8	54	32	43	+5	22	0	0	0	SW	9.4	17	W	9:43	100	1	1			0	1.1	8	
9	52	31	42	+4	23	0	0	0	SE	8.5	13	SE	9:44	100	0	0			0	0.8	9	
10	66	35	51	+13	14	0	0	0	SW	10.2	17	SW	9:10	94	2	3			0	1.7	10	
11	54	36	45	+6	20	0	0	0	NE	10.8	24	NE	1:57	19	9	9			0	1.2	11	
12	41	30	36	-3	29	0	0	0	S	8.1	16	S	0:00	0	10	10			0	2.4	12	
13	71	41	56	+17	9	.08	0	0	SSW	10.6	17	SW	4:55	50	6	7			0	2.1	13	
14	49	39	44	+5	21	.05	0	0	SSE	7.3	13	NE	3:15	33	10	10			0	3.0	14	
15	65	42	54	+15	11	.15	0	0	S	11.6	26	NW	1:18	13	9	7			0	3.5	15	
16	49	31	40	+1	25	0	0	0	N	6.5	15	NE	6:52	100	0	1			0	3.4	16	
17	43	25	34	-5	31	0	0	0	NE	4.0	11	NE	4:17	43	10	9			0	3.5	17	
18	43	39	41	+2	24	.05	0	0	SE	7.5	18	SE	0:00	0	10	10			0	3.1	18	
19	46	34	40	+1	25	0	0	0	W	14.0	28	W	9:26	95	3	4			0	3.2	19	
20	40	23	32	-7	33	0	0	0	WSW	8.6	15	NW	9:24	94	2	1			0	2.7	20	
21	35	20	28	-11	37	0	0	0	WNW	9.1	15	NW	10:01	100	0	2			0	2.6	21	
22	34	20	27	-11	38	0	0	0	WNW	10.5	18	NW	8:26	83	6	3			0	2.1	22	
23	37	20	29	-9	36	0	0	0	WNW	8.3	19	NW	6:06	61	5	3			0	1.3	23	
24	37	18	28	-10	37	0	0	0	NW	4.9	9	W	5:46	57	9	6			0	1.2	24	
25	43	16	30	-8	35	0	0	0	S	5.6	10	S	10:07	100	1	1			0	1.7	25	
26	59	29	44	+6	21	0	0	0	SW	7.8	11	SW	10:09	100	1	1			0	1.4	26	
27	60	32	46	+7	19	.47	0	0	S	9.3	15	S	1:50	18	10	8			0	1.6	27	
28	48	39	44	+5	21	0	0	0	NE	5.8	8	NE	0:00	0	10	8			0	2.3	28	
29	45	42	44	+5	21	0	0	0	NE	7.0	11	NE	0:00	0	10	10			0	3.1	29	
30	43	38	41	+2	24	.01	0	0	NNE	13.0	22	NE	0:00	0	10	10			0	3.8	30	
31	41	36	39	0	26	.32	0	0	NNE	17.8	23	N	0:00	0	10	10			0	4.4	31	
Sum	1456	944				2.13	2.5			256.9			139:36		207	186			0	78.8	Sum	
Avg.	47.0	30.5								8.3	Fastest		Dir.	Possible	%	6.7	6.0			0	2.5	Avg.
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. S 34																						

TEMPERATURE: (°F) Average monthly 38.8 Departure from normal +0.5 Highest 71 on 13th Lowest 16 on 25th Number of days with - Max. 32° or below 0 Max. 90° or above 0 Min. 32° or below 19 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°): Total this month 807 Departure from normal -21 Seasonal total (since July 1) 2307 Seasonal departure from normal -53

BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 \*feet, m. s. l.) 29.930 Highest sea level 30.49 on 1st Lowest sea level 29.33 on 15th

PRECIPITATION: (In.) Total for the month 2.13 Departure from normal -1.51 Greatest in 24 hours 0.47 on 27th Snow, Sleet- Total for the month 2.5 Greatest in 24 hours 2.3 on 6th Greatest depth on ground 2 on 6th Dates of - Hail 0 Sleet 0 Glaze 0

Symbols used in columns 18-19 A = Hail B = Blowing snow DL = Distant lightning 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

\*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.

Temperature near normal with no extremely cold or warm periods. Precipitation amounted to only 59% of normal, but water table continued high from previous wet months. Snow did not accumulate on streets and highways.

NO EXCESSIVE PRECIPITATION.

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												T	T	T										2	
3		T	T	T	.06	.03	.10	.22	.05															3	
4																								4	
5																								5	
6		.06	.06	.04	.03	.02	.01	.01	T	T	T	T	T	.01										6	
7		T							T	.01	.03	.06	.03	.05	.04	.01	T							7	
8																								8	
9																								9	
10																								10	
11																								11	
12																								12	
13		T	T		T	.08	T								T	T	T							13	
14																								14	
15		T	.04	.02			.03	.04				.02	T		T	T								15	
16																								16	
17																								17	
18																								18	
19																								19	
20																								20	
21																								21	
22																								22	
23																								23	
24																								24	
25																								25	
26																								26	
27																								27	
28		T	T												.04	.03	.07	.11	.08	.05	.07	.02	T	28	
29																								29	
30																								30	
31		T	T	T											.08	.10	.10	.03	.01	T			.01	31	

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DEPARTMENT OF COMMERCE, WEATHER BUREAU  
**LOCAL CLIMATOLOGICAL DATA**

EMBORAZO PARK, RICHMOND, VIRGINIA  
 NATIONAL BATTLEFIELD PARK HEADQUARTERS  
 JANUARY 1960

Latitude 37° 32' N. Longitude 77° 27' W. Elevation (ground) 170 ft. EASTERN Standard time used

Date	Temperature (°F) <sup>1</sup>			Precipitation		Snow, Sleet, or Ice on ground at (In.)	Wind		Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less					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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	51	24	38	-2	27	0																		1
2	38	24	31	-9	34	0																		2
3	61	21	41	+1	24	.55																		3
4	60	26	43	+3	22	0																		4
5	43	26	35	-5	30	0																		5
6	48	31	40	0	25	.33																		6
7	39	32	36	-4	29	.03																		7
8	38	31	35	-5	30	.23																		8
9	55	32	44	+4	21	0																		9
10	54	30	42	+2	23	0																		10
11	65	40	53	+13	12	0																		11
12	51	32	42	+2	23	0																		12
13	42	39	41	+1	24	.14																		13
14	72	39	56	+16	9	0																		14
15	50	38	44	+4	21	.15																		15
16	66	33	50	+10	15	0																		16
17	62	28	45	+5	20	0																		17
18	46	32	39	-1	26	.01																		18
19	44	34	39	-1	26	0																		19
20	46	24	35	-5	30	0																		20
21	42	23	33	-7	32	0																		21
22	37	19	28	-12	37	0																		22
23	36	20	28	-12	37	0																		23
24	39	22	31	-9	34	0																		24
25	39	20	30	-10	35	0																		25
26	46	20	33	-7	32	0																		26
27	61	29	45	+5	20	0																		27
28	60	32	46	+6	19	0.50																		28
29	50	42	46	+6	19	0.03																		29
30	46	39	43	+3	22	0																		30
31	41	36	39	-1	26	0																		31
Sum	1528	918				1.97																		Sum
Avg	49.3	29.6																						Avg

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

TEMPERATURE: (°F)  
 Average monthly 39.5  
 Departure from normal -0.1  
 Highest 72 on 14th  
 Lowest 19 on 22nd  
 Number of days with -  
 Max. 32° or below 0  
 Max. 90° or above 0  
 Min. 32° or below 22  
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):  
 Total this month 784  
 Departure from normal -3  
 Seasonal total (since July 1) 2331  
 Seasonal departure from normal +126

BAROMETRIC PRESSURE (In.)  
 Avg. station elev. \*feet, m. s. l.)  
 Highest sea level on  
 Lowest sea level on

PRECIPITATION: (In.)  
 Total for the month 1.97  
 Departure from normal -1.66  
 Greatest in 24 hours 0.55 on 3rd  
 Snow, Sleet -  
 Total for the month  
 Greatest in 24 hours on  
 Greatest depth on ground on  
 Dates of - Hail  
 Sleet Glaze

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

\*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.

<sup>1</sup> Observation day for 24 hours ending at 8 A.M. Maximum temperatures will usually have occurred on calendar day preceding the date of entry.