

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

HIMBORAZO PARK, RICHMOND, VIRGINIA
 NATIONAL BATTLEFIELD PARK HEADQUARTERS
 DECEMBER 1961

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

Date	Temperature (°F) ¹				Precipitation		Snow, Sleet, or Ice on ground at 8:00 AM (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	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	56	30	43	-2	22	0																	1
2	60	37	49	+4	16	0																	2
3	61	33	47	+3	18	0																	3
4	63	33	48	+4	17	0																	4
5	60	37	49	+6	16	0																	5
6	65	34	50	+7	15	0																	6
7	54	33	44	+1	21	0																	7
8	56	30	43	+1	22	0																	8
9	52	25	39	-3	26	0																	9
10	46	26	36	-7	29	.92																	10
11	40	35	38	-3	27	.53																	11
12	46	37	42	+1	23	1.11																	12
13	65	43	54	+14	11	.07																	13
14	47	22	35	-5	30	0																	14
15	43	26	35	-5	30	0																	15
16	42	24	33	-7	32	0																	16
17	36	24	30	-10	35	1.15																	17
18	44	34	39	-1	26	.76																	18
19	45	39	42	+2	23	.02																	19
20	45	37	41	+1	24	.01																	20
21	53	39	46	+6	19	.01																	21
22	45	26	36	-4	29	0																	22
23	M	M	M	M	M	M																	23
24	M	M	M	M	M	M																	24
25	M	M	M	M	M	M																	25
26	44	20	32	-8	33	0																	26
27	53	23	38	-2	27	0																	27
28	60	31	46	+6	19	.21																	28
29	37	22	30	-10	35	T																	29
30	36	17	27	-13	38	0																	30
31	44	17	31	-9	34	0																	31
Sum	*	*	*	*	*	*																	Sum
Avg	*	*	*	*	*	*					Fastest	Dir.	Possible	%									Avg.

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

TEMPERATURE: (°F) * HEATING DEGREE DAYS (base 65°): * PRECIPITATION: (In.) * Symbols used in columns 18-19

Average monthly * Total this month * Total for the month *
 Departure from normal * Departure from normal * Departure from normal *
 Highest on Seasonal total (since July 1) * Greatest in 24 hours *
 Lowest on Seasonal departure from normal * Snow, Sleet— *
 Number of days with — Total for the month *
 Max. 32° or below * BAROMETRIC PRESSURE (In.) *
 Max. 90° or above * Avg. station (elev. *feet, m. s. l.) *
 Min. 32° or below * Highest sea level on *
 Min. 0° or below * Lowest sea level on * Dates of — Hail *
 Sleet * Glaze *

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.

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

* All sums incomplete due to missing data.

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

RICHMOND, VIRGINIA
 BYRD FIELD
 DECEMBER 1961

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 AM (In.)	Prevailing direction	Wind			Sunshine		Sky cover			Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	Cooling Degree Days (Base 60°)	James River Stage at City Locks* Stage in feet 8 AM	Date
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	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	58	29	44	+1	21	0	0	0	SSW	5.0	7	SW	8:23	86	9	5			0	0.0		1	
2	60	31	46	+3	19	0	0	0	SSW	5.0	7	W	2:22	24	10	8			0	-0.8		2	
3	59	33	46	+3	19	0	0	0	NE	4.3	7	NE	9:44	100	0	2			0	-0.9		3	
4	59	30	45	+3	20	0	0	0	SSW	8.1	16	SW	5:53	61	8	7			0	-0.1		4	
5	64	38	51	+9	14	0	0	0	SW	12.1	30	NW	1:00	10	10	9			0	-0.6		5	
6	50	29	40	-1	25	0	0	0	SW	5.5	8	SW	7:14	75	5	4			0	-0.3		6	
7	56	32	44	+3	21	0	0	0	W	11.4	26	W	9:35	99	3	2			0	-0.6		7	
8	43	24	34	-7	31	0	0	0	NW	9.9	18	NW	9:19	96	4	3			0	-0.3		8	
9	31	21	26	-14	39	0	0	0	NE	5.8	11	N	0:00	0	10	8			0	0.1		9	
10	38	30	34	-6	31	1.37	0	T	N	5.7	14	N	0:00	0	10	10		F	0	1.1		10	
11	44	36	40	0	25	.31	0	0	ESE	6.0	9	NE	0:00	0	10	10		F	0	2.4		11	
12	42	42	47	+7	18	.80	0	0	WNW	7.9	14	S	0:00	0	10	10			0	3.5		12	
13	54	26	40	+1	25	T	0	0	NNE	8.7	15	N	4:52	51	6	5			0	5.4		13	
14	40	19	30	-9	35	T	0	0	SSW	5.9	12	SW	3:18	34	7	6			0	5.7		14	
15	41	25	33	-6	32	0	0	0	NNE	9.4	22	N	6:13	65	9	8			0	3.7		15	
16	34	24	29	-10	36	.41	0	0	ESE	5.9	7	E	0:23	4	10	9			0	1.3		16	
17	42	32	37	-2	28	.81	0	0	SW	6.3	9	NW	0:00	0	10	10			0	0.8		17	
18	44	39	42	+3	23	.44	0	0	N	7.5	18	N	0:00	0	10	10			0	1.9		18	
19	43	39	41	+2	24	T	0	0	NE	5.6	8	S	0:00	0	10	10		F	0	5.7		19	
20	50	28	39	0	26	0	0	0	N	8.7	14	NW	3:15	34	7	4		F	0	7.6		20	
21	43	25	34	-5	31	0	0	0	NW	4.0	9	NW	7:08	74	4	3			0	6.7		21	
22	42	23	33	-6	32	0	0	0	NE	3.2	6	NE	1:38	17	8	3			0	3.6		22	
23	42	26	34	-5	31	.66	0	0	ESE	6.7	16	NW	0:00	0	10	10			0	3.1		23	
24	41	31	36	-3	29	.07	.4	0	NW	11.4	22	NW	0:40	7	9	8			0	2.7		24	
25	42	23	33	-6	32	0	0	0	NW	8.2	17	NW	9:35	100	0	0			0	2.8		25	
26	50	18	34	-4	31	0	0	0	SW	7.2	18	SW	9:35	100	0	0			0	2.6		26	
27	58	30	44	+6	21	0	0	0	SSW	8.1	18	SW	9:08	95	5	7			0	1.5		27	
28	42	28	35	-3	30	.10	.2	T	N	10.5	19	N	0:00	0	10	9			0	2.0		28	
29	34	19	27	-11	38	0	0	0	W	6.1	13	NW	5:36	58	6	4			0	1.9		29	
30	38	16	27	-11	38	0	0	0	WSW	8.2	17	W	9:36	100	0	1			0	1.2		30	
31	43	16	30	-8	35	0	0	0	SSW	6.2	10	S	5:48	60	5	5			0	0.5		31	
Sum	1437	862				5.05	.9			224.5			130:15		215	190				64.2		Sum	
Avg	46.4	27.8								7.2	Fastest	Dir.	Possible	%	6.9	6.1				2.1		Avg.	
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 30 NW 298:25 44																							

TEMPERATURE: (°F) HEATING DEGREE DAYS (base 65°):
 Average monthly 37.1 Total this month 860
 Departure from normal -2.4 Departure from normal +69
 Highest 64 on 5th Seasonal total (since July 1) 1564
 Lowest 16 on 30, 31st Seasonal departure from normal +32
 Number of days with -
 Max. 32° or below 1
 Max. 90° or above 0
 Min. 32° or below 25
 Min. 0° or below 0

BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 29,919 *feet, m. s. l.)
 Highest sea level 30.63 on 15th
 Lowest sea level 29.55 on 18th

PRECIPITATION: (In.)
 Total for the month 5.05
 Departure from normal +2.16
 Greatest in 24 hours 1.39 on 9-10th
 Snow, Sleet—
 Total for the month 0.9
 Greatest in 24 hours 0.4 on 24th
 Greatest depth on ground T on 10, 28th
 Dates of - Hail 0
 Sleet 9 Glaze/Rime 9,10,16,17th

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.

** Zero of City Locks gage at 0 feet MSL

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

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