

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

RICHMOND, VIRGINIA
 BYRD FIELD
 DECEMBER 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 7:00 AM (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 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.)		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	42	27	35	-8	30	0	0	0	NW	11.8	17	NW	9:25	96	2	1		0	-0.2	1
2	44	22	33	-10	32	0	0	0	NW	6.9	13	NW	9:45	100	0	0		0	-0.9	2
3	47	20	39	-1	26	0	0	0	S	3.8	6	S	9:44	100	1	1		0	0.0	3
4	62	22	42	0	23	0	0	0	SSE	2.8	5	NE	9:43	100	0	0		0	0.4	4
5	72	31	52	+10	13	0	0	0	WSW	4.0	7	SW	9:41	100	0	0		0	0.7	5
6	68	30	51	+10	14	0	0	0	S	3.6	10	SE	7:45	80	7	6		0	1.5	6
7	47	31	50	+9	15	0	0	0	WNW	5.8	13	NW	3:00	31	8	6		0	1.8	7
8	47	28	38	-3	27	0	0	0	N	4.7	10	NW	2:47	29	9	8		0	2.3	8
9	34	20	27	-13	38	0	0	0	NNE	6.1	17	N	9:38	100	0	0		0	1.4	9
10	54	18	36	-4	29	0	0	0	SW	5.0	9	SW	9:38	100	4	2		0	0.9	10
11	40	30	35	-5	30	1.85	0	0	NNE	9.3	24	NE	0:00	0	10	10	T	0	0.4	11
12	35	16	26	-14	39	1.9	1.7	1	NNW	11.7	38	NW	0:00	0	10	8		0	0.4	12
13	25	10	18	-21	47	0	0	1	NW	8.4	37	NW	9:36	100	0	0		0	0.9	13
14	42	12	27	-12	38	0	0	1	SW	5.4	10	SW	8:02	84	2	3		0	0.8	14
15	42	28	35	-4	30	T	0	T	S	4.5	12	E	0:32	6	10	9		0	-0.2	15
16	48	27	38	-1	27	T	0	T	NW	7.2	25	NW	4:41	49	6	5		0	-0.1	16
17	44	22	33	-6	32	0	0	0	W	6.1	18	W	6:06	64	3	1		0	-0.5	17
18	43	18	31	-8	34	0	0	0	SE	2.8	9	NW	8:59	94	3	1		0	-0.6	18
19	48	21	35	-4	30	0	0	0	S	6.1	17	W	3:50	40	8	4		0	0.2	19
20	39	19	29	-10	36	0	0	0	E	4.3	8	S	1:58	21	10	7		0	1.2	20
21	46	26	36	-3	29	.57	T	0	WNW	7.8	17	NW	0:00	0	10	8		0	2.2	21
22	29	14	22	-17	43	0	0	0	WNW	6.2	16	NW	9:34	100	0	0		0	1.9	22
23	31	11	21	-18	44	0	0	0	W	6.4	24	W	9:34	100	0	0		0	1.1	23
24	38	18	28	-11	37	0	0	0	S	6.1	12	SW	2:25	25	8	6		0	0.7	24
25	52	22	37	-2	28	0	0	0	SSW	6.5	16	SW	9:34	100	0	0		0	0.0	25
26	59	31	45	+7	20	0	0	0	SW	10.0	17	SW	7:17	76	3	2		0	-0.8	26
27	46	26	36	-2	29	0	0	0	NNE	9.0	16	NE	9:34	100	0	0		0	-0.2	27
28	36	20	28	-10	37	0	0	0	NNE	5.8	9	NE	8:02	84	5	5		0	-0.1	28
29	48	30	39	+1	26	.18	T	T	SW	3.7	6	SW	0:00	0	10	10		0	-0.2	29
30	49	30	40	+2	25	.13	0	0	NE	5.1	11	N	4:44	49	6	5		0	-1.6	30
31	50	24	37	-1	28	.12	0	0	SSW	5.8	9	NE	6:49	71	4	4		0	-0.6	31
Sum	1442	704				3.04	1.7			192.7			192:23		139	112			12.9	Sum
Avg	46.5	22.7								6.2	Fastest	Dir.	Possible	%	4.5	3.6			0.4	Avg.
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 38 NW 298:03 65																				

TEMPERATURE: (°F) Average monthly 34.6 Departure from normal -4.9 Highest 73 on 5th Lowest 10 on 13th Number of days with - Max. 32° or below 3 Max. 90° or above 0 Min. 32° or below 31 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°): Total this month 936 Departure from normal +145 Seasonal total (since July 1) 1656 Seasonal departure from normal +124

BAROMETRIC PRESSURE (In.): Avg. station (elev. 164 feet, m. s. l.) 30.047 Highest sea level 30.69 on 28th Lowest sea level 29.39 on 11th

PRECIPITATION: (In.) Total for the month 3.04 Departure from normal +.15 Greatest in 24 hours 2.03 on 11th-12th Snow, Sleet - Total for the month 1.7 Greatest in 24 hours 1.7 on 12th Greatest depth on ground 2 on 12th Dates of - Hail None Sleet 11th, 12th Glaze 29th

Symbols used in columns 18-19: A = Hail, BS = 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.

**Zero of City Locks gage at 0 feet MSL

NO EXCESSIVE PRECIPITATION.
 Only month in 64 years of record with daily minimum temperatures for entire month below 32°. Record for consecutive days with minimum temperature 32° or lower was 51 consecutive days, December 5, 1917 through January 24, 1918. A thunderstorm on the 11th was only the ninth December occurrence during 64 years of record.

Errata: November 1960 - Column 3 Sum 1108.

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																									10
11													.11	.19	.15	.12	.17	.06	.02	.10	.25	.15	.37	.13	11
12	.01	.08	.04	.03	T	.01	T	T	.01	T	T	T	.01	T	T										12
13																									13
14																									14
15																									15
16	T	T																							16
17																									17
18																									18
19																									19
20																									20
21	.03	.08	.04	.01	T	.05	.11	.13	.07	.05															21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29					T	T	.01	.02	T									T	.01	.02	.02	.01	.01	.08	29
30	.07	.05	.01																						30
31																						T	.03	.09	31

Known errors found in this issue will be published in later issues.
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DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

CHIMBORAZO PARK, RICHMOND, VIRGINIA
 NATIONAL BATTLEFIELD PARK HEADQUARTERS
 DECEMBER 1960

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

Date	Temperature (°F)						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	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)							
											Speed (m. p. h.)	Direction											
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	46	27	37	-3	28	0																	1
2	44	26	35	-5	30	0																	2
3	45	24	35	-5	30	0																	3
4	58	26	42	+2	23	0																	4
5	53	33	43	+3	22	0																	5
6	73	33	53	+13	12	0																	6
7	73	32	53	+13	12	0																	7
8	66	31	49	+9	16	0																	8
9	46	21	34	-6	31	0																	9
10	35	18	27	-13	38	0																	10
11	54	25	40	0	25	0																	11
12	38	24	31	-9	34	.83																	12
13	30	10	20	-20	45	0																	13
14	26	12	19	-21	46	0																	14
15	41	17	29	-11	36	0																	15
16	42	30	36	-4	29	0																	16
17	47	21	34	-6	31	0																	17
18	45	21	33	-7	32	0																	18
19	44	23	34	-6	31	0																	19
20	50	21	36	-4	29	0																	20
21	44	23	34	-6	31	.50																	21
22	45	18	32	-8	33	0																	22
23	30	13	22	-18	43	0																	23
24	31	19	25	-15	40	0																	24
25	38	22	30	-10	35	0																	25
26	52	38	45	+5	20	0																	26
27	65	20	43	+3	22	0																	27
28	35	23	29	-11	36	.03																	28
29	48	31	40	0	25	T																	29
30	48	32	40	0	25	T																	30
31	50	25	38	-2	27	0																	31
Sum	1442	739				1.36																	Sum
Avg	46.5	23.8									Fastest	Dir.	Possible	%									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 35.2
 Departure from normal -4.4
 Highest 73 on 6th, 7th
 Lowest 10 on 13th
 Number of days with -
 Max. 32° or below 4
 Max. 90° or above 0
 Min. 32° or below 28
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 917
 Departure from normal +130
 Seasonal total (since July 1) 1562
 Seasonal departure from normal +107

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

PRECIPITATION: (In.)
 Total for the month 1.36
 Departure from normal -2.27
 Greatest in 24 hours .83 on 11th-12th
 Snow, Sleet -
 Total for the month 0
 Greatest in 24 hours 0 on -
 Greatest depth on ground 0 on -
 Dates of - Hail 0
 Sleet 0 Glaze 0

Symbols used in columns 18-19

A = Hail
 BS = 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.

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