

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

RICHMOND, VIRGINIA
 BYRD FIELD
 FEBRUARY 1961

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

Date	Temperature (°F)					Precipitation (Water equivalent) (In.)	Snow, Sleet or Ice on ground at 7:00 AM (In.)	Snow, Sleet, or Ice on ground at 7:00 AM (In.)	Wind			Sunshine Total (hours and minutes)	Sky cover Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)	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°)				Prevailing direction	Average speed (m. p. h.)	Speed (m. p. h.)										Direction
1	44	23	34	-5	31	0	0	1	ESE	8.2	17	NE	5:43	55	9	8		0	1.0	1	
2	23	13	18	-21	47	0	0	0	NE	12.3	16	NE	0:00	0	10	10		0	2.5	2	
3	35	16	26	-13	39	1.18	2.5	1	NNE	10.2	16	NW	0:00	0	10	10		0	3.0	3	
4	43	24	34	-5	31	T	T	2	N	11.6	29	NW	10:26	100	0	2		0	3.0	4	
5	43	21	32	-7	33	0	0	1	NNW	3.1	17	N	10:28	100	0	0		0	3.3	5	
6	44	17	31	-8	34	0	0	0	WSW	3.6	8	SW	5:11	49	8	6		0	3.6	6	
7	40	27	34	-5	31	.28	T	T	ESE	7.8	15	NE	0:00	0	10	10		0	3.4	7	
8	35	30	33	-6	32	1.29	1.8	1	WNW	12.9	20	N	0:00	0	10	10		0	4.1	8	
9	49	21	35	+4	30	T	T	2	WSW	6.4	17	W	5:50	55	5	7		0	3.3	9	
10	50	29	40	+1	25	0	0	0	WNW	5.4	11	NW	8:32	80	2	2		0	2.3	10	
11	46	27	37	-2	28	0	0	0	WSW	4.6	8	E	0:37	0	10	8		0	0.7	11	
12	44	32	38	-1	27	.07	0.7	1	ESE	8.5	13	NE	3:31	33	9	9		0	1.1	12	
13	42	32	37	-2	28	0	0	0	NE	5.5	7	NE	0:00	0	10	10		0	1.5	13	
14	67	32	50	+11	15	T	T	0	W	6.3	14	W	5:28	51	6	5		0	2.0	14	
15	58	27	43	+3	22	T	T	0	SSE	5.7	13	E	6:18	58	7	5		0	2.1	15	
16	56	31	44	+4	21	0	0	0	NNE	8.5	18	NE	9:34	88	1	1		0	2.8	16	
17	61	28	45	+5	20	0	0	0	S	6.6	16	S	5:14	48	7	7	F	0	3.5	17	
18	67	53	60	+20	5	.54	0	0	SW	8.4	17	S	0:00	0	10	10		0	4.2	18	
19	78	55	67	+27	0	T	0	0	SW	10.7	17	W	5:36	51	9	9		4	4.9	19	
20	55	39	47	+7	18	.08	0	0	NE	9.6	14	NE	3:34	32	10	10		0	7.8	20	
21	40	36	38	-3	27	.32	0	0	E	7.6	11	E	0:00	0	10	10		0	5.7	21	
22	47	38	43	+2	22	T	0	0	SSE	5.4	9	SE	0:00	0	10	10		0	4.2	22	
23	68	45	57	+16	8	1.23	0	0	SW	7.1	18	SW	1:56	17	9	7	T	R ₁ L ₁ F	0	3.7	23
24	74	41	58	+17	7	T	0	0	S	6.4	12	S	6:24	57	9	6		F	0	4.9	24
25	72	39	56	+14	9	.33	0	0	SSE	15.6	38	SW	0:14	2	9	9		R ₁ F	0	3.4	25
26	68	37	53	+11	12	0	0	0	WSW	14.5	31	SW	11:16	100	2	2		0	2.8	26	
27	74	33	54	+12	11	0	0	0	SSW	5.6	12	SW	11:18	100	3	1		0	4.8	27	
28	57	35	46	+3	19	.07	0	0	NNE	9.1	17	NW	2:19	20	10	8		0	4.7	28	
29																					29
30																					30
31																					31
Sum	1480	881				5.39	5.0			227.2			119:29		205	192		4	93.9	Sum	
Avg	52.9	31.5								8.1	Fastest	Dir.	Possible %		7.3	6.9			3.4	Avg.	
										Misc.	38	SW	303.05	39						Misc.	

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 42.2 Total this month 632 Total for the month 5.39
 Departure from normal +2.5 Departure from normal +2.63
 Highest 78 on 19th Seasonal total (since July 1) 3259 Greatest in 24 hours 1.52 on 7-8th
 Lowest 13 on 2nd Seasonal departure from normal +191 Snow, Sleet—
 Number of days with — Total for the month 5.0
 Max. 32° or below 1 Avg. station (elev. 164 *feet, m. s. l.) 29.937 Greatest in 24 hours 2.5 on 3rd
 Max. 90° or above 0 Highest sea level 30.59 on 5th Greatest depth on ground 2 on 4, 9
 Min. 32° or below 17 Lowest sea level 29.08 on 25th Dates of — Hail None Sleet 3,7,8th. Glaze 3,4,8th
 Min. 0° or below 0

Most February precipitation since 1944. Temperatures predominantly below normal first half of month and predominantly above normal last half. New high temperature record for the date set on the 19th.
 EXCESSIVE PRECIPITATION
 Period: Minutes 5 10 15 20 30 45 60 80 100 120 150 180
 February 23 amounts .25 .28 .45 .58 .54 .57 .59 .66 .86 .98 1.07 1.11
 Errata: January 1961: Sum of Minimum Temperatures, Col 3, 684.
 Hourly Precipitation, 1 A.M. on 22nd, .01.

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	T	T																						4	
5																								5	
6																								6	
7																								7	
8	.10	.11	.15	.26	.24	.09	.05	T	T	.03	.01	.02	.01	.02	.02	.01	.02	.05	.01	.02	.02	.06	.07	.15	8
9	T																								9
10																									10
11																									11
12				.01	.03	.03	T																		12
13																									13
14																									14
15																									15
16																									16
17																									17
18	.01	T	.02	.01	.01	T	T	T	.01	T															18
19																									19
20																									20
21	.01	.02	.03	.03	.03	.02	.01	.01	.03	.05	.03	.02	.01	T	T	T	T	T	T	T	T	T	.05	.03	21
22	T	T	T	T	T	T	.01	.01	.03	.05	.03	.02	.01	T	T	T	T	T	T	T	T	T	T	T	22
23	T	T	T	T	.03	.13	.56	.38	.11	.02	T	T													23
24																									24
25	T	.04	.04	.05	.02	.03	.02	T	T																25
26																									26
27																									27
28																									28
29																									29
30																									30
31																									31

Known errors found in this issue will be published in later issues. Checks and money orders should be made payable and remittances and correspondence should be sent to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

EMBORAZO PARK, RICHMOND, VIRGINIA
 NATIONAL BATTLEFIELD PARK HEADQUARTERS
 FEBRUARY 1961

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

Date	Temperature (°F)				Precipitation (Water equivalent) (In.)	Snow, Sleet (In.)	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				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	23	35	-5	30	0																	1
2	43	15	29	-11	36	0																	2
3	22	12	17	-23	48	0																	3
4	35	15	25	-15	40	1.03																	4
5	43	22	33	-7	32	0																	5
6	43	16	30	-10	35	0																	6
7	42	18	30	-10	35	0																	7
8	39	31	35	-5	30	1.36																	8
9	35	29	32	-8	33	.34																	9
10	50	29	40	0	25	0																	10
11	52	30	41	0	24	0																	11
12	49	32	41	0	24	.15																	12
13	45	30	38	-3	27	0																	13
14	42	32	37	-4	28	0																	14
15	67	30	49	+8	16	0																	15
16	60	40	50	+9	15	0																	16
17	57	31	44	+3	21	0																	17
18	64	33	49	+8	16	.87																	18
19	68	51	60	+18	5	.40																	19
20	76	42	59	+17	6	†																	20
21	57	36	47	+5	18	.30																	21
22	44	39	42	0	23	.18																	22
23	56	36	46	+4	19	1.18																	23
24	67	44	56	+13	9	.10																	24
25	75	50	63	+20	2	.22																	25
26	72	36	54	+11	11	.15																	26
27	76	36	56	+12	9	0																	27
28	74	36	55	+11	10	0																	28
29																							29
30																							30
31																							31
Sum	1195	879				6.28	Mag.																Sum
Avg	53.4	31.4																					Avg.

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

TEMPERATURE: (°F)
 Average monthly 42.4
 Departure from normal +1.5
 Highest 76 on 20th, 27th
 Lowest 12 on 3rd
 Number of days with -
 Max. 32° or below 1
 Max. 90° or above 0
 Min. 32° or below 16
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 627
 Departure from normal - 48
 Seasonal total (since July 1) 3124
 Seasonal departure from normal +207

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

PRECIPITATION: (In.)
 Total for the month 6.28
 Departure from normal +3.55
 Greatest in 24 hours 1.36 on 7th, 8th
 Snow, Sleet -
 Total for the month Missing
 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.

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.