

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

RICHMOND, VIRGINIA
 BYRD FIELD
 JANUARY 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.)	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 Lockers' 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)					
											Speed (m. p. h.)	Direction									
1	55	29	42	+4	23	.72	0	0	NW	8.1	22	NW	5:52	61	5	5			0	0.3	1
2	47	24	36	-1.2	29	0	0	0	SSE	3.2	12	S	5:56	62	8	5			0	0.9	2
3	43	28	36	-1.2	29	0	0	0	NNE	6.6	13	W	1:39	17	9	5			0	1.1	3
4	47	24	36	-1.2	29	0	0	0	WSW	8.2	17	W	9:25	98	1	1			0	1.0	4
5	48	20	34	-1.4	31	0	0	0	S	6.5	13	S	8:11	85	4	2			0	1.5	5
6	60	30	45	+7	20	0	0	0	WSW	8.5	14	SW	9:40	100	1	0			0	1.3	6
7	60	31	46	+8	19	0	0	0	SW	8.3	14	SW	2:18	24	8	5			0	1.2	7
8	50	33	42	+4	23	0	0	0	WNW	10.8	27	NW	6:31	67	5	4			0	0.7	8
9	42	21	32	-1.6	33	0	0	0	NW	8.2	19	NW	9:44	100	0	0			0	0.7	9
10	42	16	29	-1.9	36	0	0	0	S	5.4	8	SW	9:45	100	1	0			0	0.3	10
11	60	27	44	+5	21	0	0	0	SW	7.8	14	SW	9:46	100	2	1			0	0.3	11
12	57	25	41	+2	24	0	0	0	ESE	3.6	10	N	9:47	100	2	2			0	-1.1	12
13	57	23	40	+1	25	0	0	0	E	3.2	8	SE	9:13	94	8	6			0	-1.8	13
14	61	33	47	+8	18	.26	0	0	NNE	8.8	15	N	0:36	6	10	10			0	-1.6	14
15	48	37	43	+4	22	.36	0	0	NNE	10.2	17	N	0:00	0	10	10			0	0.5	15
16	39	34	37	-2	28	.05	0	0	NNE	6.8	10	NW	0:00	0	10	10			0	0.3	16
17	57	33	45	+6	20	0	0	0	SW	6.9	13	SW	9:34	97	3	3			0	0.7	17
18	56	31	44	+5	21	0	0	0	WSW	6.9	11	W	5:10	52	9	6			0	0.7	18
19	45	25	35	-4	30	.60	1.1	0	SE	10.9	26	NW	0:00	0	10	10			0	1.1	19
20	33	20	27	-12	38	0	0	0	NW	12.5	29	NW	9:59	100	0	0			0	0.3	20
21	31	20	26	-13	39	.06	1.7	0	N	5.3	17	NW	0:00	0	10	10			0	0.2	21
22	26	7	17	-21	48	.06	1.2	3	WSW	8.5	16	W	9:43	97	0	5			0	0.2	22
23	43	23	33	-5	32	0	0	1	SE	7.9	19	W	4:51	48	6	6			0	0.7	23
24	51	20	36	-2	29	0	0	0	N	11.1	25	N	10:05	100	3	3			0	0.7	24
25	26	12	19	-19	46	0	0	0	N	8.5	17	NE	10:07	100	0	3			0	-0.5	25
26	19	13	16	-22	49	.46	3.2	0	N	6.2	12	N	0:00	0	10	10			0	-0.9	26
27	31	5	18	-21	47	0	0	3	WNW	4.5	9	W	4:48	47	8	7			0	1.4	27
28	32	-1	16	-23	49	0	0	2	SW	5.3	10	SW	10:13	100	0	3			0	-1.8	28
29	37	12	25	-14	40	0	0	2	NE	4.6	10	NE	9:08	90	1	2			0	1.8	29
30	38	12	25	-14	40	0	0	2	NW	5.2	12	NW	9:16	90	1	4			0	0.4	30
31	47	17	32	-7	33	0	0	2	ESE	4.7	10	W	8:27	82	3	5			0	0.8	31
Sum	1388	667				2.57	7.2			223.2			199:44		148	143			0	11.4	Sum
Avg	44.8	22.1								7.2	Fastest 29	Dir. NW	Possible 307:03	% 65	4.8	4.6			0	3.7	Avg.

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

<p>TEMPERATURE: (°F) Average monthly 33.5 Departure from normal -4.8 Highest 61 on 14th Lowest -1 on 28th Number of days with - Max. 32° or below 6 Max. 90° or above 0 Min. 32° or below 26 Min. 0° or below 1</p>	<p>HEATING DEGREE DAYS (base 65°): Total this month 971 Departure from normal +143 Seasonal total (since July 1) 2627 Seasonal departure from normal +267</p>	<p>PRECIPITATION: (In.) Total for the month 2.57 Departure from normal -1.07 Greatest in 24 hours .84 on 31-1st Snow, Sleet- Total for the month 7.2 Greatest in 24 hours 3.2 on 26th Greatest depth on ground 3 on 22,27th Dates of - Hail None Sleet 19, 26th Glaze 26th</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>
--	---	---	---

NO EXCESSIVE PRECIPITATION.

Coldest January since 1948. The low temperature of -1° on 28th was lowest temperature recorded in any month since -1° on January 12, 1942.

*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.

Errata: Annual 1960 - Meteorological Data current year - Greatest precipitation in 24 hours, September 3, 12 on 11-12; for year, 3, 12, September 11-12.

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

Known errors found in this issue will be published in later issues.

Subscription Price: Monthly Local Climatological Data \$1.00 per year including annual Summary if published; \$1.00 per year for monthly Supplement only; \$1.50 per year for monthly Summary, monthly Supplement and annual Summary if published. Single copy prices: 10 cents for monthly Summary; 10 cents for monthly Supplement; 15 cents for annual Summary.

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.

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

CHIMBORAZO PARK, RICHMOND, VIRGINIA
 NATIONAL BATTLEFIELD PARK HEADQUARTERS
 JANUARY 1961

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

Date	Temperature (°F) ¹			Precipitation (Water equivalent) (In.)	Snow, Sleet (In.)	Snow, Sleet, or Ice on ground at 8:00 AM (In.)	Wind		Sunshine Total (hours and minutes)	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less					Date							
	Maximum	Minimum	Average				Departure from normal	Degree days (base 65°)											Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Percent of possible		
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	M	M	-	M	(23)	M																		1	
2	54	M	-	M	(29)	M																		2	
3	54	33	44	+ 4	21	0																		3	
4	43	23	33	- 7	32	0																		4	
5	47	20	34	- 6	31	0																		5	
6	50	23	37	- 3	28	0																		6	
7	54	34	44	+ 4	21	0																		7	
8	60	38	49	+ 9	16	0																		8	
9	51	23	37	- 3	28	0																		9	
10	54	18	36	- 4	29	0																		10	
11	44	24	34	- 6	31	0																		11	
12	60	30	45	+ 5	20	0																		12	
13	63	27	45	+ 5	20	0																		13	
14	58	33	46	+ 6	19	0																		14	
15	60	42	51	+11	14	.55																		15	
16	44	33	39	- 1	26	.16																		16	
17	39	32	36	- 4	29	.02																		17	
18	57	33	45	+ 5	20	0																		18	
19	56	35	46	+ 6	19	0																		19	
20	44	23	34	- 6	31	0																		20	
21	34	22	28	-12	37	0																		21	
22	31	8	20	-20	45	.32																		22	
23	27	18	23	-17	42	0																		23	
24	44	23	34	- 6	31	0																		24	
25	50	11	31	- 9	34	0																		25	
26	25	14	20	-26	45	0																		26	
27	19	10	15	-25	50	.40																		27	
28	31	5	18	-22	47	0																		28	
29	33	15	24	-16	41	0																		29	
30	37	14	26	-14	39	0																		30	
31	39	17	28	-12	37	0																		31	
*Sum	1308	681																							Sum
*Avg	45.1	23.5																							Avg.

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

<p>TEMPERATURE: (°F)</p> <p>Average monthly 34.3</p> <p>Departure from normal - 5.3</p> <p>Highest 63 on 13th</p> <p>Lowest 5 on 28th</p> <p>Number of days with -</p> <p>Max. 32° or below 5</p> <p>Max. 90° or above 0</p> <p>Min. 32° or below 23</p> <p>Min. 0° or below 0</p>	<p>HEATING DEGREE DAYS (base 65°):</p> <p>Total this month 935</p> <p>Departure from normal +148</p> <p>Seasonal total (since July 1) 2497</p> <p>Seasonal departure from normal +255</p> <p>BAROMETRIC PRESSURE (In.)</p> <p>Avg. station (elev. *feet, m. s. l.)</p> <p>Highest sea level on</p> <p>Lowest sea level on</p>	<p>PRECIPITATION: (In.)</p> <p>Total for the month Incomplete</p> <p>Departure from normal on</p> <p>Greatest in 24 hours on</p> <p>Snow, Sleet-</p> <p>Total for the month on</p> <p>Greatest in 24 hours on</p> <p>Greatest depth on ground on</p> <p>Dates of - Hail</p> <p>Sleet Glaze</p>	<p>Symbols used in columns 18-19</p> <p>A = Hail L = Drizzle</p> <p>BS = Blowing snow N = Sand</p> <p>DL = Distant lightning R = Rain</p> <p>D = Dust S = Snow</p> <p>E = Sleet T = Thunderstorm</p> <p>F = Fog ZL = Freezing drizzle</p> <p>H = Haze ZR = Freezing rain</p> <p>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>
--	---	--	--

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.

* Record incomplete. Averages based on 29 days.