

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

RICHMOND, VIRGINIA
 BYRD FIELD
 NOVEMBER 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.)	Prevailing direction	Average speed (m. p. h.)	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.)	Fastest mile				Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Speed (m. p. h.)	Direction					
1	66	47	57	+4	8	.09	0	0	WSW	5.7	12	SW	5:34	52	6	6			0	0.7	1	
2	70	37	54	+1	11	0	0	0	WSW	10.1	26	SW	10:36	100	0	1	T		0	0.6	2	
3	60	39	50	-3	15	0	0	0	W	8.6	16	NW	10:33	100	0	1			0	0.0	3	
4	62	37	50	-2	15	0	0	0	WSW	9.0	14	SW	10:13	97	2	1			0	0.0	4	
5	67	36	52	0	13	.16	0	0	WSW	6.8	14	NW	2:43	26	10	9			0	0.1	5	
6	53	33	43	-9	22	0	0	0	WSW	7.1	17	W	8:29	81	2	2			0	0.4	6	
7	48	31	40	-12	25	0	0	0	NW	10.0	19	NW	4:24	42	7	4			0	1.4	7	
8	54	27	41	-10	24	0	0	0	SSE	5.8	10	SE	10:23	100	0	0			0	2.1	8	
9	68	33	51	0	14	0	0	0	S	6.4	15	S	4:19	42	9	8			0	1.8	9	
10	62	36	49	-2	16	.37	0	0	SSW	9.9	17	N	0:00	0	10	9			0	1.2	10	
11	49	32	41	-9	24	0	0	0	NNE	5.7	11	N	8:46	85	6	4			0	0.9	11	
12	58	27	43	-7	22	0	0	0	NNE	3.4	8	NE	10:16	100	0	0			0	0.6	12	
13	62	29	46	-4	19	0	0	0	SSE	3.6	10	S	10:14	100	0	0			0	0.7	13	
14	70	33	52	+3	13	0	0	0	SSE	3.3	10	S	8:57	88	1	2		F	0	-0.1	14	
15	70	37	54	+5	11	0	0	0	S	7.2	11	S	8:12	81	8	6			0	-1.2	15	
16	77	45	61	+13	4	0	0	0	SSW	11.5	27	SW	4:32	45	8	8			2	-0.8	16	
17	68	42	55	+7	10	0	0	0	SSW	5.9	14	SW	7:55	78	6	6			0	-0.1	17	
18	64	35	50	+2	15	0	0	0	SE	2.9	8	SE	0:37	6	9	7			0	-0.5	18	
19	63	37	50	+3	15	0	0	0	NW	8.2	14	NE	10:03	100	0	0			0	0.2	19	
20	61	31	46	-1	19	0	0	0	NW	4.5	7	SW	7:43	77	4	4			0	0.9	20	
21	68	36	52	+5	13	0	0	0	SSW	4.3	7	S	10:00	100	0	2			0	1.1	21	
22	73	34	54	+8	11	0	0	0	SSW	6.5	9	SW	6:07	61	7	6			0	0.2	22	
23	57	49	53	+7	12	.10	0	0	N	6.7	20	NE	0:00	0	10	10			0	1.7	23	
24	50	42	46	0	19	0	0	0	ENE	8.2	14	N	0:50	8	8	9			0	2.3	24	
25	60	40	50	+5	15	0	0	0	SW	4.4	9	NW	2:10	22	10	7			0	2.0	25	
26	65	36	51	+6	14	0	0	0	SSW	5.0	8	S	6:05	52	4	4		F	0	1.4	26	
27	71	44	58	+13	7	0	0	0	SSW	9.1	15	SW	4:21	44	10	7			0	-0.1	27	
28	73	42	58	+14	7	0	0	0	S	6.5	10	S	6:25	65	9	8			0	0.0	28	
29	75	50	63	+19	2	.13	0	0	S	13.5	22	SW	0:12	2	10	9			2	-1.4	29	
30	51	31	41	-3	24	0	0	0	WNW	11.7	20	W	6:17	64	4	2			0	-0.1	30	
31																						31
Sum	1895	1107				.85	0			211.5			186:56		160	142			4	16.0	Sum	
Avg	63.2	36.9								7.1	Fastest	Dir.	Possible %		5.3	4.7				0.5	Avg.	
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 27 SW 305:06 61																						

TEMPERATURE: (°F) Average monthly 50.1 Departure from normal +1.7 Highest 77 on 16th Lowest 27 on 8th, 12th Number of days with - Max. 32° or below 0 Max. 90° or above 7 Min. 32° or below 0 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°): Total this month 439 Departure from normal -59 Seasonal total (since July 1) 720 Seasonal departure from normal -21

PRECIPITATION: (In.) Total for the month .85 Departure from normal -1.64 Greatest in 24 hours .37 on 10th

Snow, Sleet— Total for the month 0 Greatest in 24 hours 0 on 0 Greatest depth on ground 0 on 0 Dates of - Hail 0 Sleet 0 Glaze 0

BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 *feet, m. s. l.) 29.968 Highest sea level 30.62 on 8th Lowest sea level 29.57 on 1st

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
 ZN = Freezing rain

NO EXCESSIVE PRECIPITATION.
 Driest November since 1941. New daily high temperature records set on 28th and 29th.

*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	T	T	.06	.01	.02	T	T	T	T																1
2																									2
3																									3
4																									4
5																									5
6																									6
7																									7
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20																									20
21																									21
22																									22
23			T	T	T	T	.02	.04	T	.01	.01	.01	T	T	.01	T	T							23	
24																									24
25																									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.
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

CHIMBORAZO PARK, RICHMOND, VIRGINIA
 CONAL BATTLEFIELD PARK HEADQUARTERS
 NOVEMBER 1960

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			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)	Thunderstorm or distant lightning		Weather restricting visibility to ¼ mile or less						
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	59	44	52	-3	13	.28	0																1	
2	68	39	54	+0	11	T	0																2	
3	71	41	56	+2	9	T	0																3	
4	62	37	50	-4	15	0	0																4	
5	64	38	51	-3	14	0	0																5	
6	68	33	51	-2	14	.19	0																6	
7	56	33	45	-8	20	0	0																7	
8	47	26	37	-15	28	0	0																8	
9	52	29	41	-11	24	0	0																9	
10	64	30	47	-5	18	.06	0																10	
11	62	32	47	-4	18	.20	0																11	
12	50	28	39	-12	26	0	0																12	
13	58	29	44	-7	21	0	0																13	
14	64	30	47	-3	18	0	0																14	
15	68	31	50	0	15	0	0																15	
16	71	44	58	+8	7	0	0																16	
17	77	47	64	+15	1	0	0																17	
18	67	37	52	+3	13	0	0																18	
19	63	37	50	+1	15	0	0																19	
20	63	33	48	-1	17	0	0																20	
21	62	35	49	+1	16	0	0																21	
22	67	37	52	+4	13	.08	0																22	
23	71	38	55	+7	10	T	0																23	
24	56	39	48	+1	17	0	0																24	
25	51	41	46	-1	19	0	0																25	
26	60	43	52	+5	13	0	0																26	
27	66	43	55	+9	10	0	0																27	
28	72	42	57	+11	8	0	0																28	
29	73	54	64	+18	1	0	0																29	
30	74	34	54	+9	11	.09	0																30	
31																								31
Sum	1906	1104				.90	0																	Sum
Avg	63.5	36.8								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 50.2
 Departure from normal +1.4
 Highest 77 on 17th
 Lowest 26 on 8th
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 0
 Min. 32° or below 8
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 435
 Departure from normal -21
 Seasonal total (since July 1) 645
 Seasonal departure from normal -23

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

PRECIPITATION: (In.)
 Total for the month 0.90
 Departure from normal -1.51
 Greatest in 24 hours .26 on 10-11
 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 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.