

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

RICHMOND, VIRGINIA  
BYRD FIELD  
OCTOBER 1960

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

Date	Temperature (°F)			Precipitation (in.)	Snow, Sleet, or Ice on ground at 7:00 AM (in.)	Wind			Sunshine (hours and minutes)	Sky cover (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	Cooling Degree Days (base 65°)	James River Stage at City Locks** Stage in feet, B&W	Date	
	Maximum	Minimum	Average			Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)								Direction
1	66	44	55	0	0	N	8.2	16	N	9:30	80	1	17	0.0	1	
2	73	42	58	0	0	S	5.7	12	S	9:35	81	5	3	0.0	2	
3	76	56	66	0	0	NNE	6.6	12	NE	9:12	78	3	4	0.0	3	
4	64	56	60	0	0	NE	6.7	12	NE	0:00	0	10	10	0.5	4	
5	66	53	60	0	0	E	5.9	10	SE	0:41	6	9	8	0.8	5	
6	78	56	67	0	0	SW	9.4	18	N	5:38	32	9	9	1.8	6	
7	73	51	62	0	0	NNE	5.8	10	NE	9:55	86	7	7	1.5	7	
8	61	51	56	0	0	NE	5.6	9	NE	0:00	0	10	10	1.2	8	
9	59	53	56	0	0	NNE	4.3	7	NE	0:00	0	10	10	2.0	9	
10	74	50	62	0	0	NW	4.6	6	NW	9:03	79	3	4	2.2	10	
11	81	47	64	0	0	SW	5.5	11	SE	11:25	100	0	0	1.6	11	
12	81	51	66	0	0	ESE	4.6	9	N	11:23	100	2	4	1.1	12	
13	79	52	66	0	0	NE	2.4	5	S	7:27	66	5	5	1.5	13	
14	82	54	68	0	0	S	4.8	9	S	8:53	78	9	7	1.1	14	
15	80	56	68	0	0	SSE	4.0	17	S	4:55	44	9	8	0.0	15	
16	80	60	70	0	0	SSE	4.6	15	SE	6:02	54	9	8	-0.1	16	
17	76	50	63	0	0	NNW	6.4	16	NW	8:43	78	2	1	-0.4	17	
18	75	44	60	0	0	SE	4.2	8	NW	10:14	92	0	0	0.1	18	
19	77	51	64	0	0	S	9.5	18	E	2:02	18	10	8	0.2	19	
20	65	40	53	0	0	NNW	10.6	20	NW	3:15	29	8	6	0.3	20	
21	55	33	44	0	0	N	6.4	15	NE	9:30	86	2	1	1.0	21	
22	59	32	46	0	0	NW	3.6	5	NE	11:00	100	0	0	1.4	22	
23	64	37	51	0	0	SSW	11.1	17	S	3:03	28	8	7	2.2	23	
24	58	36	47	0	0	WNW	10.6	22	NW	10:12	93	1	1	1.7	24	
25	59	35	46	0	0	W	5.4	12	NW	10:54	100	0	0	0.5	25	
26	58	30	44	0	0	ESE	4.4	7	SW	5:23	50	10	7	1.4	26	
27	60	44	52	0	0	NNW	7.0	16	SE	0:00	0	10	9	1.1	27	
28	50	44	47	0	0	NW	11.9	20	NW	0:00	0	9	9	1.5	28	
29	61	43	52	0	0	NNW	10.2	21	NE	5:39	53	6	6	0.0	29	
30	57	39	48	0	0	NNW	7.5	13	NE	2:09	20	9	7	0.0	30	
31	56	49	53	0	0	NE	6.5	11	E	0:00	0	10	10	0.9	31	
Sum	2102	1436		3.31	0		205.9			185:48	185	167		43	27.3	Sum
Avg	67.8	46.3					6.6			5.8	5.4			0.9		Avg
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 22																

**TEMPERATURE: (°F)**  
Average monthly 57.1  
Departure from normal - 1.7  
Highest 82 on 14th  
Lowest 30 on 26th  
Number of days with -  
Max. 32° or below 0  
Max. 90° or above 0  
Min. 32° or below 2  
Min. 0° or below 0

**HEATING DEGREE DAYS (base 65°):**  
Total this month 257  
Departure from normal + 47  
Seasonal total (since July 1) 281  
Seasonal departure from normal + 38

**BAROMETRIC PRESSURE (in.)**  
Avg. station (elev. 164 feet m. s. l.) 29.858  
Highest sea level 30.31 on 2nd  
Lowest sea level 29.59 on 24th

**PRECIPITATION: (in.)**  
Total for the month 3.31  
Departure from normal +.70  
Greatest in 24 hours 1.36 on 19-20th  
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 - Distant snow N - Sand  
DL - Distant lightning R - Rain  
D - Dust S - Snow  
F - Sleet T - Thunderstorm  
H - Haze ZL - Freezing drizzle  
X - Smoke 2R - 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.

NO EXCESSIVE PRECIPITATION.

Light frost occurred on 21st and 22nd; moderate frost on 26th.

Errata: September 1960 - Minimum temperature 19th 66, sum of column 1763.  
Greatest precip in 24 hours, 3.12 on 11-12th.

\*\* 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					T	T																				6
7																										7
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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**

HINDENBORO PARK, RICHMOND, VIRGINIA  
 NATIONAL BATTLEFIELD PARK HEADQUARTERS  
 OCTOBER 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)								
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	79	55	67	+1	0	T																	1
2	69	46	58	-6	7																		2
3	74	46	60	-5	5																		3
4	78	54	66	+1	0																		4
5	66	54	60	-5	5																		5
6	69	56	63	-1	2																		6
7	79	59	69	+5	0	.16																	7
8	83	55	74	+11	0																		8
9	64	52	58	-5	7	.40																	9
10	61	55	58	-4	7	.06																	10
11	75	50	63	+1	2																		11
12	81	51	66	+5	0																		12
13	82	54	68	+7	0																		13
14	80	54	67	+6	0																		14
15	84	57	71	+11	0																		15
16	81	60	71	+11	0	.04																	16
17	82	59	71	+12	0																		17
18	75	47	61	+2	4																		18
19	77	48	63	+4	2	T																	19
20	79	57	68	+10	0	1.24																	20
21	66	35	51	-7	14	.13																	21
22	58	31	45	-13	20																		22
23	61	38	50	-7	15																		23
24	68	49	59	+2	6																		24
25	60	33	47	-10	18																		25
26	61	32	47	-10	18																		26
27	60	34	47	-9	18																		27
28	60	45	53	-3	12	.27																	28
29	54	45	50	-6	15	.70																	29
30	64	43	54	-1	11																		30
31	60	49	55	0	10	T																	31
Sum	2190	1513				3.00																	Sum
Avg	76.5	48.7									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)**  
 Average monthly 62.6  
 Departure from normal +2.6  
 Highest 84 on 15th  
 Lowest 31 on 22nd  
 Number of days with -  
 Max. 32° or below 0  
 Max. 90° or above 0  
 Min. 32° or below 2  
 Min. 0° or below 0

**HEATING DEGREE DAYS (base 65°):**  
 Total this month 198  
 Departure from normal +17  
 Seasonal total (since July 1) 210  
 Seasonal departure from normal -2

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

**PRECIPITATION: (In.)**  
 Total for the month 3.00  
 Departure from normal +.38  
 Greatest in 24 hours 1.24 on 20th  
 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 S = Rain  
 D = Dust T = Thunderstorm  
 E = Sleet F = Fog ZL = Freezing drizzle  
 H = Haze K = Smoke 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.

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.