



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

RICHMOND, VIRGINIA
 BYRD FIELD
 SEPTEMBER 1964

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 A.M. (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	78	65	72	-2	0	0	0	0	01	10.5	18	NE	5:53	45	7	6			9	1.2		1
2	79	60	70	-4	0	0	0	0	02	6.2	11	NE	9:10	71	2	1			6	-0.3		2
3	82	55	69	-5	0	0	0	0	36	4.1	7	N	12:55	100	0	0			6	0.1		3
4	87	58	73	-1	0	0	0	0	18	7.3	11	SW	12:52	100	0	0			10	0.2		4
5	90	64	77	+3	0	0	0	0	19	6.1	11	NE	12:03	94	1	1			12	-0.1		5
6	78	58	68	-6	0	0	0	0	02	6.1	11	NE	12:48	100	0	0			5	0.7		6
7	80	52	66	-7	0	0	0	0	36	4.9	10	E	12:38	99	0	0			5	1.2		7
8	80	56	68	-5	0	0	0	0	01	5.3	11	SE	12:16	96	3	2			6	2.3		8
9	84	55	70	-3	0	0	0	0	36	3.9	7	S	12:09	96	2	1		F	8	2.1		9
10	87	63	75	+2	0	.05	0	0	13	5.8	12	SE	7:31	59	5	3			12	2.5		10
11	90	69	80	+8	0	T	0	0	21	6.4	12	SW	8:24	67	6	4			15	2.0		11
12	70	58	64	-8	1	.01	0	0	01	9.3	13	NE	0:00	0	10	9			5	1.3		12
13	59	51	55	-17	10	1.38	0	0	02	13.9	18	NE	0:00	0	10	10			0	2.3		13
14	73	47	60	-11	5	0	0	0	36	9.8	14	N	12:29	100	0	2			0	2.5		14
15	79	44	62	-9	3	0	0	0	18	3.5	6	NE	12:27	100	0	0			1	0.6		15
16	80	49	65	-6	0	0	0	0	20	4.1	7	S	12:04	97	3	1			3	-0.7		16
17	81	52	67	-3	0	0	0	0	18	6.1	12	SW	10:54	88	5	4			5	-0.7		17
18	79	60	70	0	0	0	0	0	20	5.2	8	SW	2:21	19	10	9			8	-1.0		18
19	79	63	71	+1	0	T	0	0	12	5.1	10	SE	1:13	10	9	10			8	-0.2		19
20	70	63	67	-2	0	.01	0	0	05	7.4	11	NE	0:00	0	10	10			6	1.4		20
21	73	58	66	-3	0	0	0	0	03	10.0	16	NE	6:04	50	6	5			4	2.1		21
22	73	57	65	-3	0	0	0	0	01	11.7	18	N	6:18	52	10	8			4	2.4		22
23	85	58	72	+4	0	0	0	0	34	7.4	12	NW	12:07	100	0	0			9	3.0		23
24	81	51	66	-2	0	0	0	0	24	7.9	17	NW	12:03	100	0	2			6	2.3		24
25	75	44	60	-7	5	0	0	0	30	6.5	15	W	12:03	100	0	0			0	2.3		25
26	76	46	61	-6	4	0	0	0	14	6.4	13	SE	11:55	99	2	2			1	2.1		26
27	79	51	65	-2	0	0	0	0	19	6.2	14	SW	9:13	77	7	6			5	1.7		27
28	68	54	61	-5	4	.80	0	0	03	6.8	11	NE	1:11	10	10	9			3	1.0		28
29	78	54	66	0	0	.16	0	0	20	5.2	9	SW	4:16	36	10	10		F	6	0.7		29
30	76	58	67	+2	0	.15	0	0	03	8.5	15	N	1:00	8	10	10			6	-1.2		30
31																						31
Sum	2349	1673				2.56	0			207.6			247:17		138	125			174	33.6		Sum
Avg	78.3	55.8								6.9	Fastest	Dir.	Possible	%	4.6	4.2				1.1		Avg.
										18.1	Misc.	N	372:43	66								Misc.

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

TEMPERATURE: (°F) Average monthly 67.1 Departure from normal -3.1 Highest 90 on 5th, 11th Lowest 44 on 15th, 25th Number of days with - Max. 32° or below 0 Max. 90° or above 2 Min. 32° or below 0 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°): Total this month 32 Departure from normal -4 Seasonal total (since July 1) 32 Seasonal departure from normal -4

PRECIPITATION: (In.) Total for the month 2.56 Departure from normal -1.09 Greatest in 24 hours 1.38 on 13th

Snow, Sleet - Total for the month 0 Greatest in 24 hours 0 on - Greatest depth on ground 0 on - Dates of - Hail NONE Sleet NONE Glaze/Rime NONE

BAROMETRIC PRESSURE (In.) Avg. station (elev. 164 *feet, m. s. l.) 29.91 Highest sea level 30.45 on 26th Lowest sea level 29.67 on 23rd

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.

⌋ Indicates only the last of several occurrences.

Minimum temperature 44.2 on 15th set a new record for date.

EXCESSIVE PRECIPITATION

PERIOD:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180
Sept. 28	Amounts	.24	.40	.50	.60	.69	.76	.78	.79	.79	.79	.79	.79

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											.05														10
11																									11
12				.01	T		T																T	T	12
13	T	.02	.05	.11	.20	.12	.10	.07	.08	.13	.11	.07	.02	.13	.14	.02	T	T		T	.01	T		13	
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20			T	T	.01									T	T	T						T	T		20
21																									21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29	T	T	T	.06	.10	T								.11	.68	T						T	.01	T	29
30																									30
31										.07	.07	.01													31

Corrections, if any, to data in this issue will be published in a later issue.

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