



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

RICHMOND, VIRGINIA
 BYRD FIELD
 MARCH 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 (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.)	Prevaling 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	51	27	39	-4	26	0	0	1	21	9.8	19	SW	7:06	62	10	9			0	2.5	1	
2	65	35	50	+7	15	.08	0	T	22	6.7	13	SE	7:56	70	8	9			0	2.5	2	
3	56	47	52	+9	13	.49	0	0	06	8.0	11	NW	3:33	31	10	10			0	2.5	3	
4	67	45	56	+12	9	T	0	0	12	9.5	23	S	1:20	12	10	10		LF	0	2.9	4	
5	76	48	62	+18	3	.04	0	0	18	17.7	36	SW	9:03	79	7	6			4	3.1	5	
6	59	35	47	+2	18	0	0	0	03	7.1	16	NW	11:34	100	1	0			0	3.8	6	
7	62	32	47	+2	18	T	0	0	23	6.6	11	S	5:49	50	10	8			0	3.4	7	
8	68	42	55	+10	10	.01	0	0	20	6.4	12	SW	7:42	66	9	9			0	4.0	8	
9	80	46	63	+17	2	0	0	0	21	13.9	31	SW	7:30	64	9	8			6	1.4	9	
10	75	42	59	+13	6	T	0	0	20	20.7	40	SW	9:30	81	3	4			1	0.8	10	
11	53	32	43	-3	22	0	0	0	12	8.1	13	NE	11:46	100	0	0			0	0.8	11	
12	62	35	49	+2	16	0	0	0	17	12.5	22	NW	9:57	84	5	3			0	2.9	12	
13	55	30	43	-4	22	0	0	0	16	7.5	12	N	11:50	100	1	1			0	2.6	13	
14	60	36	48	+1	17	.25	0	0	20	10.7	17	SW	0:54	8	10	8			0	2.1	14	
15	60	36	48	0	17	.48	0	0	20	9.2	24	N	0:00	0	10	9			0	2.0	15	
16	63	31	47	-1	18	0	0	0	21	8.0	10	SW	11:57	100	0	0			0	2.6	16	
17	69	37	53	+5	12	0	0	0	27	11.7	27	W	12:00	100	1	1			0	2.5	17	
18	53	28	41	-8	24	0	0	0	36	12.9	23	NE	12:02	100	0	0			0	2.4	18	
19	53	23	38	-11	27	0	0	0	33	5.8	10	NW	10:56	90	2	4			0	2.6	19	
20	39	34	37	-12	28	.22	1.0	0	05	5.3	7	W	0:00	0	10	10			0	1.9	20	
21	40	36	38	-12	27	.32	0	0	33	10.9	20	N	0:00	0	10	10			0	1.5	21	
22	52	36	44	-6	21	0	0	0	35	13.2	24	NE	6:48	56	7	7			0	-0.4	22	
23	57	31	44	-6	21	0	0	0	13	6.3	7	NE	11:04	90	3	3			0	0.2	23	
24	70	34	52	+1	13	0	0	0	20	9.0	17	SW	11:09	91	1	1			1	0.3	24	
25	67	47	57	+6	8	0	0	0	20	11.9	19	SW	3:35	29	10	10			0	0.3	25	
26	76	45	61	+10	4	T	0	0	21	16.5	31	SW	7:36	61	8	7			0	0.9	26	
27	58	34	46	-5	19	0	0	0	29	7.8	13	W	12:24	100	1	1			0	0.6	27	
28	65	33	49	-3	16	0	0	0	15	8.2	15	SE	12:27	100	3	3			0	0.5	28	
29	59	33	46	-6	19	0	0	0	30	8.8	20	NW	10:21	83	6	4			0	1.6	29	
30	40	26	33	-19	32	.60	5.3	T	32	14.4	28	NW	3:58	32	8	7		SF	0	2.4	30	
31	45	17	31	-22	34	.12	0.7	T	23	8.6	17	SW	9:40	77	6	6			0	1.8	31	
Sum	1855	1099								313.7			241:27		179	168			12	59.0	Sum	
Avg	59.8	35.3								10.1			370:52		65	5.8	5.4			--	1.9	Avg

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

TEMPERATURE: (°F) Average monthly 47.6 HEATING DEGREE DAYS (base 65°): Total this month 537
 Departure from normal -0.1 Departure from normal -40
 Highest 80 on 9th Seasonal total (since July 1) 3875
 Lowest 17 on 31st Seasonal departure from normal +263
 Number of days with -
 Max. 32° or below 0 BAROMETRIC PRESSURE (In.)
 Max. 90° or above 0 Avg. station (elev. 164 *feet, m. s. l.) 29.835
 Min. 32° or below 10 Highest sea level 30.47 on 7th
 Min. 0° or below 0 Lowest sea level 29.34 on 10th

PRECIPITATION: (In.) Total for the month 2.61
 Departure from normal -0.81
 Greatest in 24 hours .66 on 14-15
 Snow, Sleet—
 Total for the month 7.0
 Greatest in 24 hours 5.3 on 30th
 Greatest depth on ground 5 on 30th
 Dates of - Hail NONE
 Sleet 20th Glaze/Rime NONE

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.

NO EXCESSIVE PRECIPITATION

ERRATA: February 1964. Hourly precipitation on 14th, add "Trace", 1 AM through 4 AM.

Max temperature 80.3 on 9th set a new record for date. Min temperature 17.1 on 31st set a new record for date and also lowest ever recorded so late in spring.

† If figures are carried in columns 10 and 13 they indicate directions in terms of degrees from true North; for example, 9 = East, 18 = South, 27 = West, and 36 = North.

** 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																				T	.03	T	T	.05	2
3																								3	
4		.07	.15	.05	.13	.04	.01	.03	T	.01	T													4	
5									T	T	.04													5	
6																								6	
7																								7	
8																								8	
9																								9	
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15		.02	.02	.03	.05	.04	.05	.03	.01	.02	.03	.11	.03	.04	T	.02	.04	T	T	.03		.03	.02	15	
16																								16	
17																								17	
18																								18	
19																								19	
20																								20	
21		.01	T	.01	.01	T	.01	T	T	.04	.03	.03	.04	.03	.02	.02	.01	.01	T	T		.01	.01	T	21
22																								T	22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31																									31
																									Sum
																									Avg

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

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