



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA
BYRD FIELD
APRIL 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)	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	43	28	36	-17	29	.11	1.2	1	33	9.8	17	N	9:40	77	6	5			0	1.5	1	
2	60	26	43	-10	22	.07	0	0	18	11.7	25	SW	4:52	38	8	6			0	2.3	2	
3	73	47	60	+6	5	.02	0	0	21	17.1	31	SW	6:11	49	8	8			0	1.0	3	
4	49	32	41	-13	24	0	0	0	02	9.2	21	N	11:00	87	8	6			0	0.6	4	
5	48	27	38	-16	27	T	0	0	13	7.1	13	SE	5:32	43	10	8			0	0.1	5	
6	46	37	42	-13	23	.19	0	0	09	5.9	17	NW	0:00	0	10	10			0	1.0	6	
7	69	46	58	+3	7	.47	0	0	21	9.4	22	S	0:31	4	10	10		F	3	-0.8	7	
8	68	44	56	0	9	.56	0	0	22	9.1	18	SW	0:09	1	10	8			1	-1.3	8	
9	60	36	48	-8	17	0	0	0	29	11.1	20	NW	12:55	100	1	0			0	-0.5	9	
10	66	30	48	-9	17	0	0	0	14	5.3	14	SW	12:58	100	0	0			0	-0.1	10	
11	69	36	53	-4	12	0	0	0	32	7.2	16	NE	13:00	100	0	0			0	0.1	11	
12	72	39	56	-1	9	0	0	0	12	7.6	17	SE	10:02	77	9	7			0	0.8	12	
13	68	50	59	+2	6	T	0	0	14	9.5	17	SW	1:20	10	10	10			2	1.6	13	
14	65	60	63	+5	2	.21	0	0	19	8.3	13	S	0:00	0	10	10		F	4	2.1	14	
15	71	46	59	+1	6	.05	0	0	36	8.3	17	N	6:35	50	8	7			0	2.4	15	
16	68	40	54	-5	11	0	0	0	01	7.2	14	NE	12:19	93	0	1			0	2.8	16	
17	85	50	68	+9	0	0	0	0	23	11.8	18	SW	13:14	100	0	1			4	3.3	17	
18	88	60	74	+14	0	0	0	0	24	11.7	18	SW	10:17	78	6	6			8	2.1	18	
19	86	55	71	+11	0	.34	0	0	23	7.7	26	NW	9:10	69	8	6		DL	7	1.2	19	
20	76	56	66	+6	0	T	0	0	09	7.0	31	N	4:59	37	10	10		F	3	0.6	20	
21	56	47	52	-9	13	T	0	0	07	9.6	10	NE	0:00	0	10	10			0	0.1	21	
22	75	46	61	0	4	.01	0	0	21	7.6	12	SW	3:22	25	10	10		L, F	1	0.6	22	
23	80	54	67	+6	0	0	0	0	15	7.1	12	SE	8:07	60	8	8			4	0.4	23	
24	72	52	62	+1	3	0	0	0	05	8.3	16	NE	7:34	56	7	6			1	0.9	24	
25	63	42	53	-9	12	0	0	0	03	8.7	14	SE	10:20	76	5	4			0	1.4	25	
26	63	35	49	-13	16	0	0	0	14	8.7	14	SE	11:04	82	6	6			0	1.8	26	
27	68	38	53	-9	12	T	0	0	15	8.3	14	S	3:19	24	10	9			8	1.8	27	
28	79	60	70	+7	0	.04	0	0	18	7.2	11	SW	5:53	43	9	10		DL	8	2.1	28	
29	66	49	58	-5	7	.58	0	0	05	10.1	15	NE	0:09	1	10	10		F	4	2.8	29	
30	55	48	52	-11	13	.06	0	0	02	9.3	12	NE	0:00	0	10	10			0	3.4	30	
31																						31
Sum	2007	1316				2.71	1.2			266.9			194:32		217	202			52	36.1	Sum	
Avg	66.9	43.9								8.9			395:01		7.2	6.7			--	1.2	Avg	

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

TEMPERATURE: (°F)
 Average monthly 55.4
 Departure from normal -2.7
 Highest 88 on 18th
 Lowest 26 on 2nd
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 0
 Min. 32° or below 5
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 306
 Departure from normal +60
 Seasonal total (since July 1) 4181
 Seasonal departure from normal +323

BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 164 *feet m. s. l.) 29.927
 Highest sea level 30.48 on 5th
 Lowest sea level 29.65 on 8th

PRECIPITATION: (In.)
 Total for the month 2.71
 Departure from normal -.44
 Greatest in 24 hours .67 on 7-8
 Snow, Sleet -
 Total for the month 1.2
 Greatest in 24 hours 1.9 on Mar. 31-1st
 Greatest depth on ground 1 on 1st
 Dates of - Hail NONE
 Sleet NONE Glaze/Rime NONE

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.

1 Last of several occurrences

NO EXCESSIVE PRECIPITATION

A cloudy April with possible sunshine the lowest percentage since the 41 percent in 1935. The number of cloudy days was the highest since the beginning of record.

† If figures are carried in columns 10 and 13 they indicate directions in tens 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	.02	.09	T	T								T	.03	.03	T	T									2
3																							.01	T	3
4												T	.02										T	T	4
5																									5
6																									6
7	T	T	T	T	T	T	.03	.01	.03	.01	T	.02	.02	.02	T	.01	.01	T	T			T	.01	7	
8	.01	T	T	T									.04	.16	.22										8
9														.33	.12										9
10																									10
11																									11
12																									12
13																									13
14						T	.01	.04	.05	.03	.02	T	T	.01	.03	.01	T	T	.01					14	
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23	T	T	T	.01	T																				23
24																									24
25																									25
26																									26
27																									27
28	.01	T	.01	.01	.01	T	T	T																	28
29		.27				T	T	T																	29
30	.02	.02	.01	T	T	T	.01	T																	30
31																									31

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