



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

RICHMOND, VIRGINIA
 BYRD FIELD
 JULY 1964

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

Date	Temperature (°F)					Precipitation (Total (Water equivalent) (In.))	Snow, Sleet, or Ice on ground at 7:00 A.M. (In.)	Wind			Sunshine (Total (hours and minutes))	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°)			Prevailing direction	Average speed (m. p. h.)	Fastest mile		Direction	Percent of possible								Sunrise to sunset (tenths)
1	90	64	77	-1	0	0	0	18	8.7	15	SW	7:21	50	9	8					1	
2	92	68	80	+2	0	0	0	19	8.9	15	SW	7:14	49	8	7					2	
3	92	70	81	+3	0	0	0	22	9.3	14	SW	10:47	73	9	7					3	
4	89	65	77	-1	0	.84	0	36	7.2	34	NW	7:12	49	6	5					4	
5	83	56	70	-8	0	0	0	33	8.9	17	N	13:11	90	2	1					5	
6	86	57	72	-6	0	0	0	36	6.2	9	NW	14:33	99	0	0					6	
7	91	60	76	-2	0	0	0	18	7.8	14	SW	11:35	79	4	4					7	
8	80	65	73	-3	0	.92	0	19	12.1	19	NW	3:58	27	8	8					8	
9	82	63	73	-3	0	.12	0	04	4.7	8	NE	5:03	35	9	8					9	
10	84	65	75	-3	0	0	0	18	3.8	3	S	9:15	63	7	7					10	
11	87	65	76	-3	0	0	0	15	5.8	10	SE	11:44	80	6	5					11	
12	83	63	73	-6	0	1.01	0	14	10.8	18	SE	6:14	43	9	8					12	
13	84	69	77	-2	0	1.04	0	18	8.1	18	W	2:30	17	9	8					13	
14	86	69	78	-1	0	0	0	18	5.2	12	S	9:00	62	5	5					14	
15	89	64	77	-2	0	0	0	18	6.2	10	W	14:30	100	2	2					15	
16	91	67	79	0	0	0	0	16	4.8	5	SW	8:21	58	7	7					16	
17	89	71	80	+1	0	0	0	18	6.8	14	S	7:42	53	9	9					17	
18	82	69	76	-3	0	.16	0	18	8.4	22	SW	4:05	28	10	10					18	
19	82	69	76	-2	0	.47	0	19	7.4	19	W	1:42	12	10	10					19	
20	86	69	78	0	0	.10	0	20	6.9	12	S	8:22	58	8	8					20	
21	85	70	78	0	0	.37	0	18	7.1	19	SE	3:22	23	9	8					21	
22	83	71	77	-1	0	.09	0	17	7.0	13	SW	6:23	44	9	9					22	
23	85	71	78	0	0	.20	0	03	6.0	12	NE	6:25	45	7	7					23	
24	82	70	76	-2	0	.24	0	03	9.8	16	NE	4:19	30	9	9					24	
25	74	66	70	-8	0	.02	0	36	8.1	12	N	0:40	5	10	10					25	
26	81	65	73	-5	0	.01	0	16	6.3	10	S	7:33	53	7	6					26	
27	87	63	75	-3	0	0	0	15	5.8	10	SE	12:15	86	2	1					27	
28	84	71	78	0	0	.07	0	18	6.3	10	S	3:19	23	9	9					28	
29	92	70	81	+3	0	.80	0	23	8.4	25	NW	5:42	40	6	7					29	
30	80	66	73	-5	0	T	0	24	6.2	12	N	5:44	41	8	7					30	
31	80	64	72	-6	0	0	0	02	7.9	12	NE	9:22	66	5	5					31	
Sum	2641	2055				6.46	0			226.9		229:23		218	204			362	20.8		Sum
Avg	85.2	66.3								7.3	Fastest	448:17		51	7.0	6.6			0.7		Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure. Misc. 34

TEMPERATURE: (°F) Average monthly 75.8 Departure from normal -2.3 Highest 92 on 2nd, 3rd, 29th Lowest 56 on 5th Number of days with - Max. 32° or below 0 Max. 90° or above 6 Min. 32° or below 0 Min. 0° or below 0	HEATING DEGREE DAYS (base 65°): Total this month 0 Departure from normal 0 Seasonal total (since July 1) 0 Seasonal departure from normal 0	PRECIPITATION: (In.) Total for the month 6.46 Departure from normal +.85 Greatest in 24 hours 2.00 on 12th-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.) 29.826 Highest sea level 30.29 on 18th Lowest sea level 29.66 on 13th	Symbols used in columns 18-19 A = Hail BS = Blowing snow 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.
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ERRATA: June 1964, Excessive Precipitation July 14 included table below**

PERIOD:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180
June 14 ***	Amounts	.17	.30	.40	.45	.48	.48	.48	.48	.48	.48	.48	.48
July 4th		.27	.42	.49	.53	.55	.55	.55	.55	.55	.66	.67	.68
July 8th		.27	.38	.39	.40	.40	.40	.40	.67	.71	.71	.71	.71
July 12th		.22	.37	.43	.46	.54	.61	.66	.70	.73	.77	.77	.77
July 29th		.30	.46	.57	.61	.75	.77	.78	.79	.80	.80	.80	.80

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	
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