



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

RICHMOND, VIRGINIA
 BYRD FIELD
 JUNE 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.)	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	72	53	63	-9	2	.03	0	17	5.8	9	SW	3:33	24	10	10			3	2.5					1	
2	60	54	57	-15	8	.42	0	36	8.2	12	N	0:00	00	10	10					0	2.2			2	
3	77	53	65	-7	0	0	0	24	6.7	14	W	9:26	65	6	6			F		3	1.6			3	
4	80	45	63	-10	2	0	0	21	4.7	9	W	13:29	92	1	1					3	0.8			4	
5	80	51	66	-7	0	T	0	12	6.1	16	SE	10:34	72	6	5					4	-0.1			5	
6	83	54	69	-4	0	0	0	17	8.2	14	S	11:35	79	5	6			F		7	-0.6			6	
7	81	60	71	-2	0	0	0	14	7.3	15	S	9:32	65	9	9					8	-0.4			7	
8	87	55	71	-3	0	0	0	12	5.2	8	NE	9:47	67	6	6					9	0.0			8	
9	91	61	76	+2	0	0	0	18	6.3	10	S	13:36	93	5	4					13	0.0			9	
10	98	69	84	+10	0	0	0	28	9.0	15	W	14:16	97	1	1					18	1.2			10	
11	83	57	70	-4	0	0	0	36	10.7	21	NE	14:35	99	3	2					9	1.9			11	
12	86	51	69	-6	0	0	0	19	6.8	12	S	9:07	62	9	8					7	2.5			12	
13	92	67	80	+5	0	.02	0	22	9.5	19	NE	6:55	47	7	7			T		13	2.6			13	
14	94	65	80	+5	0	.48	0	20	5.5	25	NW	10:15	70	6	4			T		14	2.3			14	
15	95	67	81	+6	0	T	0	24	8.6	31	SW	12:29	85	6	5			T		17	2.1			15	
16	83	57	70	-6	0	0	0	36	11.3	18	N	12:03	82	4	3					9	1.3			16	
17	81	53	67	-9	0	0	0	36	7.2	12	N	14:26	98	6	4					4	-0.2			17	
18	83	54	69	-7	0	.23	0	18	7.5	17	SW	6:18	43	8	6					8	-0.4			18	
19	92	69	81	+5	0	.82	0	22	10.9	24	NE	6:39	45	8	7			T		14	-1.3			19	
20	95	68	82	+5	0	.08	0	19	8.2	30	N	13:02	88	4	5			T		16	-1.1			20	
21	93	70	82	+5	0	.18	0	23	7.3	27	NW	10:18	70	8	9			T		14	-0.9			21	
22	90	67	79	+2	0	0	0	03	6.1	13	NE	13:37	92	6	6					15	-0.3			22	
23	89	72	81	+4	0	0	0	14	5.8	9	SE	6:29	44	8	6					15	0.4			23	
24	92	72	82	+5	0	.14	0	22	10.3	24	W	7:11	49	8	7			T		15	0.9			24	
25	82	61	72	-6	0	0	0	02	7.4	14	NE	12:02	82	8	7					10	0.8			25	
26	85	56	71	-7	0	0	0	02	4.3	8	N	14:19	97	2	1					9	0.9			26	
27	92	59	76	-2	0	0	0	23	6.0	9	SW	14:35	99	0	1					12	1.6			27	
28	84	62	73	-5	0	0	0	03	10.6	17	NE	14:44	100	0	0					10	1.9			28	
29	89	57	73	-5	0	0	0	18	5.4	7	S	14:11	96	2	1					10	1.9			29	
30	94	60	77	-1	0	0	0	23	7.4	13	SW	13:52	94	4	4					13	2.1			30	
31																									31
Sum	2583	1799				2.40	0		224.3			322:55		166	151					302	26.2			Sum	
Avg	86.1	60.0							7.5	Fastest	Dir.	Possible	%	5.5	5.0							0.9			Avg.
									Misc.	31	SW	441:09	73												Misc.

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

TEMPERATURE: (°F)
 Average monthly 73.1
 Departure from normal -2.0
 Highest 98 on 10th
 Lowest 45 on 4th
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 12
 Min. 32° or below 0
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 12
 Departure from normal +12
 Seasonal total (since July 1) 4267
 Seasonal departure from normal +353
BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 164 *feet, m. s. l.) 29.832
 Highest sea level 30.29 on 29th
 Lowest sea level 29.72 on 15th

PRECIPITATION: (In.)
 Total for the month 2.40
 Departure from normal -1.35
 Greatest in 24 hours .82 on 19th
 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

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.

PERIOD:

Minutes	5	10	15	20	30	45	60	80	100	120	150	180
June 19th	.20	.39	.55	.65	.74	.80	.82	.82	.82	.82	.82	.82

New record low of 45.2 on 4th broke old record of 47.1 in 1929.
 " " " 56.2 on 26th " " 57.0 in 1935.
 New record high of 98.0 on 10th broke old record of 94.4 in 1963.

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
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30																									30
31																									31

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