

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

RICHMOND, VIRGINIA
BYRD FIELD
JUNE 1963

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 AM (In.)	Snow, Sleet (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 BM	Date		
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)				Total (Water equivalent) (In.)	Prevailing direction	Average speed (m. p. h.)	Total (hours and minutes)						Percent of possible	Sunrise to sunset (tenths)
1	79	62	66	-5	0	0	0	NE	8.2	16	E	9:17	64	5	4		1		
2	87	80	64	-8	1	1.46	0	NNE	10.1	13	E	0:00	0	10	10		2		
3	88	65	66	-6	0	3.41	0	NNE	13.8	26	N	0:00	0	10	9		3		
4	83	59	71	-1	0	0	0	S	8.1	13	SW	12:05	83	2	4		4		
5	82	67	75	+2	0	.01	0	S	8.8	15	S	7:51	54	8	7		5		
6	87	65	78	+2	0	0	0	S	8.5	17	NW	11:52	81	3	5		6		
7	90	68	79	+3	0	1.13	0	NW	6.2	15	NW	9:42	66	5	5		7		
8	70	66	68	+2	0	.03	0	NE	7.6	12	NE	0:00	0	10	10		8		
9	88	66	77	+2	0	T	0	SW	8.5	13	SW	9:00	61	8	8		9		
10	94	70	82	+4	0	0	0	WSW	9.0	21	N	10:19	70	3	4	DL	10		
11	85	66	76	+2	0	.06	0	WSW	7.8	17	NE	8:42	59	8	6	T	11		
12	82	55	68	-8	0	0	0	W	9.2	17	NE	12:08	82	3	2		12		
13	80	53	67	-8	0	0	0	WNW	10.5	17	NW	9:32	65	6	5		13		
14	87	62	76	+3	0	T	0	W	7.0	12	S	8:41	59	6	6		14		
15	81	62	72	+3	0	T	0	NW	9.5	17	NW	12:40	66	3	4		15		
16	75	60	68	-7	0	0	0	NW	5.4	7	NE	3:17	22	9	9		16		
17	77	63	70	-5	0	0	0	S	6.2	9	E	4:53	31	9	9		17		
18	82	58	70	-5	0	0	0	S	5.6	9	S	7:31	51	9	9		18		
19	82	58	70	-6	0	0	0	SSE	6.6	12	SE	11:57	81	4	4	T	19		
20	87	65	75	-1	0	.76	0	SW	9.4	18	SW	7:32	51	7	6		20		
21	71	58	65	-11	0	.16	0	NNE	8.3	16	NE	1:56	13	9	8		21		
22	77	56	67	-9	0	0	0	N	5.5	11	NE	9:21	63	6	5		22		
23	82	54	68	-8	0	0	0	S	4.8	9	S	11:23	77	5	3		23		
24	84	54	69	-8	0	0	0	SE	4.8	9	NE	14:45	100	1	1		24		
25	87	57	72	-6	0	0	0	S	5.4	7	S	14:46	100	6	4		25		
26	90	58	74	-3	0	0	0	SSW	6.5	9	SW	14:44	100	1	1		26		
27	91	63	77	+3	0	0	0	SW	8.2	13	SW	13:40	95	4	3		27		
28	90	67	79	+3	0	0	0	SSW	8.5	13	S	9:10	62	7	5		28		
29	90	70	80	+3	0	0	0	S	8.7	15	S	12:11	83	4	4	DL	29		
30	91	70	81	+4	0	0	0	SSW	6.8	16	S	11:40	79	5	5	DL	30		
31	91	70	81	+4	0	0	0	SSW	6.8	16	S	11:40	79	5	5	DL	31		
Sum	2479	1841				7.01	0		231.2			270:14		176	163		294	30.8	Sum
Avg.	82.6	61.4							7.7	Fastest	Dir.			5.9	5.4			1.0	Avg.
									Misc.	26	N	441:09		61					Misc.

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

TEMPERATURE (°F)
 Average monthly 72.0
 Departure from normal -2.6
 Highest 94 on 10
 Lowest 52 on 1
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 7
 Min. 32° or below 0
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 1
 Departure from normal +1
 Seasonal total (since July 1) 4199
 Seasonal departure from normal +285

BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 29.789 *feet, m. s. l.)
 Highest sea level 30.42 on 24
 Lowest sea level 29.56 on 11

PRECIPITATION (In.)
 Total for the month 7.01
 Departure from normal +3.26
 Greatest in 24 hours 4.61 on 2-3
 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 I = 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.

**Zero of City Locks gage at 0 ft.
 MSL.
 Errata for April 1963: # of days with Max Temp 90° or above 2.
 Errata for Feb. 1963: Highest Sea Level Pressure 30.68 on 4th.
 Errata for May 1963: Column 19, P should be entered on 22nd.

EXCESSIVE PRECIPITATION

PERIOD:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180
June 7-8	Amounts	.58	.53	.61	.70	.83	1.03	1.07	1.10	1.10	1.12	1.13	1.14
June 20		.25	.49	.53	.54	.57	.60	.61	.62	.62	.62	.62	.62

Drought or near drought conditions has prevailed since the middle of the month although nearly twice the normal amount of precipitation occurred. Two records were set, one being the greatest precipitation in a 24 hour period of 4.61 inches on the 2nd and 3rd, the other, a daily high temperature record of 94.4 degrees on the 10th.

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		.26	.13	.07	.08	.18	.44	.55	.45	.66	.08	.10	.05	.05	.05	.20	.09	.17	.05	.04	.05	.06	.07	.22	.17	3
4																										4
5		T	T			T		.01																		5
6																										6
7																						.01				7
8		.02								T	.01	T														8
9		T	T																			T	T			9
10																										10
11				.05	T																		.02	.64	.46	11
12																										12
13																										13
14							T	T																		14
15																										15
16														T	T	T				T	T	T	T			16
17																										17
18																										18
19																										19
20			T	T	T	T	T	.01	.09	.03	.01	.02	T	T		.12					.02	.02	.60	T	20	
21																										21
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Corrections, if any, to data in this issue will be published in a later issue.
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