U. S. DEPARTMENT OF COMMERCE, WEATHER B[redacted]U

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA
BYRD FIELD
AUGUST 1962

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

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Precipitation Total (Water equivalent) (In.)	Snow, Sleet (In.)	Snow, Sleet, or Ice on ground at 7:00 AM (In.)	Wind Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Sunshine Total (hours and minutes)	Percent of possible	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	Cooling Degree Days (Base 65°)	James River Stage at City Locks** Stage in feet 8 AM	22	23	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	89	67	78	0	0	.06	0	0	NNE	5.8	10	NW	9:31	68	7	7		F	14	1.5			1
2	88	62	75	- 3	0	0	0	0	SSE	6.4	10	NE	10:06	72	7	6			12	1.5			2
3	80	64	72	- 6	0	.05	0	0	SE	5.6	14	NW	2:31	18	9	9			9	1.7			3
4	85	65	75	- 3	0	.01	0	0	E	5.0	8	NE	5:31	39	9	9			12	2.4			4
5	90	65	78	+ 1	0	0	0	0	SSE	5.7	8	SE	8:14	59	9	8		F	15	2.7			5
6	90	71	81	+ 4	0	.56	0	0	S	7.2	28	W	5:03	36	9	8	T		15	2.6			6
7	90	71	81	+ 4	0	.07	0	0	SSW	6.5	10	SW	7:57	57	8	6	DL		16	2.1			7
8	91	66	79	+ 2	0	.11	0	0	N	6.5	20	NW	11:53	86	3	4	DL		15	1.3			8
9	86	65	76	- 1	0	.89	0	0	N	5.8	26	S	7:05	51	10	10	T	R,A	11	1.2			9
10	79	60	70	- 7	0	0	0	0	N	8.9	12	NE	11:27	83	6	6			9	0.0			10
11	77	55	66	-11	0	0	0	0	N	6.8	11	N	11:28	83	5	3			6	0.4			11
12	82	56	69	- 8	0	0	0	0	ESE	6.0	9	E	13:10	96	5	3			7	0.5			12
13	84	56	70	- 7	0	0	0	0	SSE	5.5	10	SW	9:55	72	7	5			10	0.7			13
14	86	69	78	+ 1	0	0	0	0	SSW	6.3	11	NE	8:05	59	8	8			14	0.8			14
15	85	60	73	- 4	0	0	0	0	SSE	6.1	9	E	10:53	80	4	4			11	0.1			15
16	89	66	78	+ 2	0	0	0	0	SW	6.5	10	SW	7:28	55	8	8		FH	14	0.9			16
17	91	66	79	+ 3	0	.06	0	0	WSW	7.5	13	SW	9:05	67	8	7	T		13	1.8			17
18	82	62	72	- 4	0	0	0	0	NNW	6.0	11	N	11:26	85	5	4			8	2.1			18
19	87	57	72	- 4	0	0	0	0	S	6.3	11	S	12:10	90	2	2			11	2.7			19
20	96	71	84	+ 8	0	0	0	0	SW	10.4	16	SW	11:35	86	1	1			18	2.4			20
21	96	70	83	+ 7	0	.56	0	0	SW	7.8	30	NW	8:41	65	5	7	T		17	1.2			21
22	84	62	73	- 3	0	0	0	0	ENE	6.9	12	NE	10:27	71	7	5			11	1.0			22
23	81	60	71	- 5	0	0	0	0	NE	7.9	14	NE	12:02	90	3	2			8	1.0			23
24	82	55	69	- 6	0	0	0	0	NE	5.8	9	NE	11:23	86	5	3			7	0.4			24
25	84	57	71	- 4	0	0	0	0	E	5.8	10	SE	11:57	90	5	3			9	-0.4			25
26	87	60	74	- 1	0	0	0	0	ESE	5.8	11	SE	6:39	50	7	6		F	11	0.4			26
27	83	67	75	0	0	T	0	0	SE	6.3	11	S	2:03	16	10	8			12	0.2			27
28	86	63	75	0	0	T	0	0	N	7.9	17	N	6:38	50	7	6			12	0.2			28
29	85	59	72	- 3	0	0	0	0	NNW	6.9	14	NW	13:06	100	0	0			10	1.1			29
30	89	62	76	+ 2	0	0	0	0	ENE	5.0	10	NE	13:04	100	0	0			11	1.5			30
31	92	61	77	+ 3	0	0	0	0	SSE	4.8	7	SW	12:08	93	6	4			12	1.7			31
Sum	2676	1950	—	—	—	2.37	0	—	—	201.7	—	—	292:41	—	185	162	—	—	360	37.7			Sum
Avg	86.3	62.9	—	—	—	—	—	—	—	6.5	Fastest	Dir.	Possible	%	6.0	5.2	—	—	—	1.2			Avg.
										Misc.	30	NW	420:50	70	—	—	—	—					Misc.

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

TEMPERATURE: (°F)
Average monthly 74.6
Departure from normal -1.9
Highest 96 on 20th, 21st
Lowest 55 on 11th, 24th
Number of days with —
Max. 32° or below 0
Max. 90° or above 8
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

BAROMETRIC PRESSURE (In.)
Avg. station (elev. 164 *feet, m. s. l.) 29.846
Highest sea level 30.32 on 24th
Lowest sea level 29.74 on 7th

PRECIPITATION: (In.)
Total for the month 2.37
Departure from normal -3.17
Greatest in 24 hours 1.00 on 8th-9th
Snow, Sleet—
Total for the month 0
Greatest in 24 hours - on 0
Greatest depth on ground - on 0
Dates of — Hail 9th.
Sleet 0 Glaze/Rime 0

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.

** Zero of City Locks gage at 0 ft. MSL

New record low temperature of 55 degrees on the 11th. broke old record of 60 set in 1927. A maximum of 96 degrees on the 21st. equaled the highest for that date. Driest August since 1953.

EXCESSIVE PRECIPITATION

Period:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180
August 9	Amounts	.34	.63	.69	.71	.72	.73	.76	.82	.84	.86	.86	.87

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																								.06	1
2																									2
3								.05	T	T	T	T	T												3
4											.01	T													4
5																									5
6													.04	.43	.08	.01									6
7																			.07						7
8																						T	.01	.10	8
9	T														T	.03	.73	.12	.01						9
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17																		.06	T						17
18																									18
19																									19
20																									20
21																		T	.45	.11	T				21
22																									22
23																									23
24																									24
25																									25
26																									26
27															T										27
28											T	T													28
29																									29
30																									30
31																									31

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

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