

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

RICHMOND, VIRGINIA (Byrd Field)

AUGUST, 1966

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, Hail or Ice on ground at (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	James River Stage at 8:00AM	Date
	Maximum	Minimum	Average			Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)				
1	88	70	82	0	0	S	3.5	7	W	10:48	77	5		F, L	0.3	1
2	96	72	84	0	0	E	6.1	10	SW	10:42	76	5			0.0	2
3	94	73	84	0	0	E	6.4	15	E	13:50	99	2	DL		0.3	3
4	94	72	83	0	0	SSE	5.1	11	SE	10:22	74	7		F	0.3	4
5	92	74	83	0	0	S	5.8	10	SW	2:59	19	9			0.3	5
6	97	74	86	0	0	S	7.6	13	S	13:12	95	2	DL		0.2	6
7	95	74	85	0	0	SSW	9.6	22	W	11:41	84	5			0.2	7
8	82	71	77	0	0	NNE	6.0	16	N	1:37	12	10	T		0.0	8
9	82	70	76	0	0	NE	12.4	22	NE	2:09	16	9			0.0	9
10	77	70	74	0	0	N	10.7	17	N	0:00	0	10			1.0	10
11	88	72	80	0	0	NE	9.8	24	E	2:51	21	10	T		0.5	11
12	74	68	71	0	8.79	NNE	18.4	34	N	0:00	0	10			1.5	12
13	85	67	76	0	0	SW	12.3	23	NW	6:15	38	8			2.8	13
14	89	71	80	0	0	ESE	8.1	22	SE	6:01	44	8	T		3.0	14
15	88	73	81	0	0	ESE	8.6	17	E	8:18	59	6			1.8	15
16	83	73	78	0	0	NE	10.5	27	E	6:40	42	8			2.0	16
17	78	74	76	0	2.16	ESE	18.3	34	NE	0:00	0	10	DL		1.8	17
18	87	72	80	0	1.23	SW	16.3	34	SE	4:05	30	9			7.8	18
19	91	72	82	0	0	NW	5.8	11	W	13:28	100	1	DL		13.5	19
20	94	71	83	0	0	W	3.2	7	NW	13:26	100	1	DL		16.8	20
21	95	72	84	0	0	S	4.4	9	S	13:05	98	2	T, DL		6.8	21
22	96	74	85	0	0	S	6.1	17	S	12:53	97	2	T, DL		2.5	22
23	85	72	79	0	0	NW	5.5	11	NW	6:53	49	9	DL		1.8	23
24	78	64	71	0	0	N	9.2	15	N	13:17	100	0			1.6	24
25	75	63	69	0	0.01	NNE	8.3	17	NE	0:00	0	10			1.6	25
26	79	62	71	0	0	NNE	7.9	13	NE	13:02	98	2			1.5	26
27	88	59	74	0	0	SW	4.9	8	W	13:10	100	0			1.0	27
28	84	70	77	0	0	NNE	7.0	11	N	12:55	98	3			1.0	28
29	84	70	77	0	0.06	S	6.7	13	S	6:14	48	7			0.8	29
30	88	67	78	0	0	S	10.7	19	S	10:16	79	5	DL		0.8	30
31	85	73	79	0	0.12	SSW	7.2	17	NW	2:52	22	9	T, DL		0.8	31
Sum	2696	2179			14.10		262.0			240:19		181	171		74.3	Sum
Avg.	87.0	70.3					8.5	Fastest 34	Dir. SE	Possible 420:35		5.8	5.5		2.4	Avg. Misc.

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

TEMPERATURE (°F):
 Average monthly 78.7
 Departure from normal + 2.8
 Highest 97 on 6th
 Lowest 59 on 27th
 Number of days with —
 Max. 32° or below 0
 Max. 90° or above 11
 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.) 29.795
 Highest sea level 30.20 on 1st
 Lowest sea level 29.17 on 13th
 Greatest 16.9 at 5:00 A.M. 2/21 Also from N on 12th and NE on 17th

PRECIPITATION (In.):
 Total for the month 14.10
 Departure from normal + 9.05
 Greatest in 24 hours 8.79 on 12th
 Snow, Sleet and Hail —
 Total for the month 0
 Greatest in 24 hours 0 on —
 Greatest depth on ground 0 on —
 Dates of — Hail None
 Sleet None
 Glaze 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.

Excessive Precipitation
 Period: minutes 5 10 15 20 30 45 60 80 100 120 150 180
 Aug. 18 amounts .22 .40 .61 .78 1.01 1.17 1.26 1.34 1.64 1.84 2.37 2.80
 Aug. 16 amounts .25 .41 .43 .43 .43 .56 .67 .57 .57 .87 .87

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
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