U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field) — AUGUST 1958

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.) | Fastest mile 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 | STAGE James River 8:00AM (feet) | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 89 | 72 | 81 | + 3 | 0 | .01 | 0 | 0 | NNE | 6.9 | 16 | NE | 6:15 | 44 | 9 | 9 | | | 2.6 | 1 |
| 2 | 80 | 68 | 74 | - 4 | 0 | T | 0 | 0 | NNE | 5.7 | 9 | NE | 4:01 | 23 | 9 | 10 | | | 3.2 | 2 |
| 3 | 78 | 69 | 74 | - 4 | 0 | 3.27 | 0 | 0 | E | 5.8 | 14 | N | 0:00 | 0 | 10 | 10 | | | 3.1 | 3 |
| 4 | 83 | 63 | 73 | - 5 | 0 | .68 | 0 | 0 | NNE | 7.6 | 13 | N | 7:46 | 56 | 7 | 6 | T | | 3.5 | 4 |
| 5 | 86 | 67 | 77 | 0 | 0 | 0 | 0 | 0 | NNE | 5.6 | 11 | N | 13:57 | 100 | 1 | 1 | | | 3.7 | 5 |
| 6 | 89 | 67 | 78 | + 1 | 0 | 0 | 0 | 0 | SE | 5.0 | 10 | S | 12:59 | 93 | 2 | 1 | | | 3.6 | 6 |
| 7 | 93 | 68 | 81 | + 4 | 0 | 0 | 0 | 0 | S | 6.5 | 13 | S | 11:27 | 82 | 5 | 4 | | | 3.0 | 7 |
| 8 | 92 | 73 | 83 | + 6 | 0 | 0 | 0 | 0 | SW | 8.0 | 15 | SW | 11:02 | 80 | 6 | 6 | DL | | 2.4 | 8 |
| 9 | 88 | 68 | 78 | + 1 | 0 | 0 | 0 | 0 | NNW | 6.1 | 12 | NW | 13:27 | 97 | 2 | 1 | | | 1.7 | 9 |
| 10 | 92 | 65 | 79 | + 2 | 0 | 0 | 0 | 0 | SW | 4.6 | 8 | SW | 13:48 | 100 | 4 | 2 | | | 0.7 | 10 |
| 11 | 91 | 67 | 79 | + 2 | 0 | 0 | 0 | 0 | W | 5.1 | 10 | E | 12:00 | 87 | 6 | 5 | DL | | 0.2 | 11 |
| 12 | 93 | 71 | 82 | + 5 | 0 | .24 | 0 | 0 | S | 5.8 | 15 | S | 7:19 | 53 | 8 | 9 | T,DL | | 0.7 | 12 |
| 13 | 87 | 72 | 80 | + 3 | 0 | .21 | 0 | 0 | S | 8.5 | 21 | SW | 2:12 | 16 | 10 | 10 | T | | 1.0 | 13 |
| 14 | 86 | 72 | 79 | + 2 | 0 | .94 | 0 | 0 | SSW | 9.0 | 19 | SW | 0:78 | 10 | 10 | 10 | DL | | 1.3 | 14 |
| 15 | 94 | 70 | 82 | + 5 | 0 | .43 | 0 | 0 | SSW | 8.1 | 22 | W | 13:19 | 98 | 2 | 3 | T,DL | | 1.3 | 15 |
| 16 | 83 | 69 | 76 | 0 | 0 | 0 | 0 | 0 | W | 5.8 | 12 | N | 5:22 | 40 | 10 | 10 | | | 0.6 | 16 |
| 17 | 83 | 68 | 76 | 0 | 0 | 0 | 0 | 0 | S | 4.5 | 20 | NW | 8:51 | 65 | 7 | 6 | DL | | 2.4 | 17 |
| 18 | 85 | 63 | 74 | - 2 | 0 | 0 | 0 | 0 | WNW | 5.6 | 11 | NW | 10:35 | 78 | 3 | 3 | | | 3.7 | 18 |
| 19 | 79 | 63 | 71 | - 5 | 0 | 0 | 0 | 0 | NNE | 7.6 | 13 | NE | 6:06 | 45 | 6 | 4 | | | 2.9 | 19 |
| 20 | 87 | 60 | 74 | - 2 | 0 | 0 | 0 | 0 | SE | 5.5 | 13 | E | 13:26 | 100 | 2 | 1 | | | 2.8 | 20 |
| 21 | 92 | 69 | 81 | + 5 | 0 | 0 | 0 | 0 | S | 7.8 | 12 | S | 9:33 | 52 | 3 | 3 | | | 2.1 | 21 |
| 22 | 91 | 70 | 81 | + 5 | 0 | .19 | 0 | 0 | SW | 6.4 | 15 | N | 5:51 | 45 | 7 | 7 | T | | 1.4 | 22 |
| 23 | 84 | 68 | 76 | 0 | 0 | 0 | 0 | 0 | E | 9.4 | 16 | E | 6:52 | 53 | 8 | 8 | | | 0.6 | 23 |
| 24 | 89 | 72 | 81 | + 6 | 0 | .25 | 0 | 0 | S | 8.2 | 19 | SW | 6:04 | 46 | 8 | 9 | T,DL | | 0.5 | 24 |
| 25 | 82 | 67 | 75 | 0 | 0 | 1.72 | 0 | 0 | S | 9.4 | 19 | S | 0:26 | 3 | 10 | 10 | | | -0.4 | 25 |
| 26 | 69 | 64 | 67 | - 8 | 0 | 1.80 | 0 | 0 | NNE | 6.1 | 13 | NE | 0:00 | 0 | 10 | 10 | | | 0.9 | 26 |
| 27 | 76 | 62 | 69 | - 6 | 0 | 0 | 0 | 0 | N | 9.7 | 22 | NE | 7:26 | 56 | 8 | 9 | | | 0.9 | 27 |
| 28 | 70 | 65 | 68 | - 7 | 0 | .03 | 0 | 0 | N | 9.7 | 16 | N | 0:00 | 0 | 10 | 10 | | | 1.1 | 28 |
| 29 | 86 | 62 | 74 | - 1 | 0 | 0 | 0 | 0 | WNW | 5.3 | 10 | NW | 13:05 | 100 | 0 | 1 | | | 1.8 | 29 |
| 30 | 88 | 62 | 75 | + 1 | 0 | 0 | 0 | 0 | SSE | 5.3 | 10 | SW | 13:03 | 100 | 1 | 1 | | | 1.7 | 30 |
| 31 | 90 | 66 | 78 | + 4 | 0 | 0 | 0 | 0 | SSW | 8.4 | 15 | S | 9:33 | 73 | 8 | 6 | | | 1.4 | 31 |
| Sum | 2655 | 2082 | | | | 9.77 | 0 | | | 212.9 | | | 247:03 | | 192 | 185 | | | 56.4 | Sum |
| Avg. | 85.6 | 67.2 | | | | | | | | 6.9 | Fastest | Dir. | Possible | % | 6.2 | 6.0 | | | 1.8 | Avg. |
| | | | | | | | | | | Misc. | 22 | W [1] | 420:35 | 59 | | | | | | Misc. |

EXCESSIVE PRECIPITATION

| Period, Minutes | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 120 | 150 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 3 amounts | .29 | .51 | .59 | .80 | 1.04 | 1.38 | 1.67 | 1.90 | 2.11 | 2.39 | 2.51 | 2.73 | 2.85 |
| Aug. 14 amounts | .31 | .57 | .62 | .82 | .88 | .90 | .90 | .91 | .92 | .92 | .92 |
| Aug. 25 amounts | .20 | .37 | .48 | .57 | .58 | .59 | .61 | .63 | .63 | .63 | .63 |
| Aug. 25 amounts | .26 | .34 | .34 | .35 | .36 | .38 | .49 | .51 | .56 | .59 | .70 |

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

[1] also NE

**TEMPERATURE: (°F)**

| | |
|---|---|
| Average monthly | 76.4 |
| Departure from normal | +0.5 |
| Highest 94 on | 15th |
| Lowest 60 on | 20th |
| Number of days with — | |
| Max. 32° or below | 0 |
| Max. 90° or above | 9 |
| 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.) | 29.785 |
| Highest sea level 30.16 on | 20th |
| Lowest sea level 29.71 on | 17th |

**PRECIPITATION: (In.)**

| | |
|---|---|
| Total for the month | 9.77 |
| Departure from normal | +4.72 |
| Greatest in 24 hours 3.95 on | 3-4th |
| 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 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.

Errata for June, 1958. June 26th minimum temperature 70; sum of minimum temperatures 1823.

Second wettest August in 21 years of airport record.

## 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 | T | | | | | | | | | | | | | | | | | | | T | T | T | T | .01 | 1 |
| 2 | | | | | | | | | | | | | | | T | | | | | | | | | | 2 |
| 3 | | | | | | | T | T | T | T | T | | | T | .02 | .16 | .17 | .07 | T | | .03 | 1.49 | .92 | .41 | 3 |
| 4 | .30 | .25 | .13 | T | T | | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | .02 | .05 | .07 | .07 | .01 | | | | | | | | | | | | T | | .01 | T | T | T | .01 | | 12 |
| 13 | | | | | | | | | | T | T | | | | | | | .16 | .04 | .01 | | | | | 13 |
| 14 | T | .01 | .70 | .22 | | | T | T | | T | .01 | T | T | T | T | | | T | | T | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | .01 | .34 | .08 | T | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | .09 | T | | .09 | .01 | | | | 22 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | T | .17 | .08 | 24 |
| 25 | T | .02 | T | | T | T | T | .61 | .02 | | | .36 | .15 | .09 | .11 | .02 | .03 | .04 | .06 | .03 | .08 | .03 | .01 | .07 | 25 |
| 26 | .02 | .02 | T | .03 | .02 | .08 | .33 | .27 | .29 | .23 | .26 | .20 | .04 | T | | | T | .01 | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| 28 | | | | | | T | T | .01 | .01 | .01 | T | T | T | T | T | T | | | T | T | T | | | | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |

Subscription Price: $1.50 per year including supplement and annual summary if published. Separate copies 15 cents for each month, 15 cents for annual.

Checks and money orders should be made payable and remittances and correspondence should be sent to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

USCOMM - WB - Asheville - 9/8/58—250