

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

RICHMOND, VA. (Byrd Field)

AUGUST 1953

Latitude 36° 30' N.

Longitude 77° 20' W.

Elevation (ground) 162 ft.

Eastern Standard time used

| Date | Temperature (°F) |         |         | Precipitation<br>(In.) | Snow, Sleet,<br>Hail (In.) | Snow,<br>Sleet,<br>Hail or<br>Ice on<br>ground<br>at<br>7:30 AM<br>(In.) | Prevailing<br>direction | Wind                        |                                |           | Sunshine<br>(hours<br>and<br>minutes) | Sky cover                    |                        |                               | Thunderstorm or<br>distant lightning | Weather restricting<br>visibility to<br>1/4 mile or less | James<br>River<br>stage<br>at<br>8:00AM | Date  |
|------|------------------|---------|---------|------------------------|----------------------------|--|-------------------------|-----------------------------|--------------------------------|-----------|---------------------------------------|------------------------------|------------------------|-------------------------------|--------------------------------------|--|---|-------|
|      | Maximum          | Minimum | Average |                        |                            |  |                         | Average speed<br>(m. p. h.) | Fastest<br>Speed<br>(m. p. h.) | Direction |                                       | Total (hours<br>and minutes) | Percent<br>of possible | Sunrise to<br>sunset (tenths) |                                      |  |   |       |
| 1    | 94               | 69      | 82      | +4                     | 0                          | 0  | NNW                     | 5.9                         | 16                             | SE        | 11:39                                 | 83                           | 4                      | 6                             | T                                    |  |   | 1     |
| 2    | 96               | 73      | 85      | +7                     | 0                          | 0  | SW                      | 5.8                         | 17                             | W         | 8:29                                  | 60                           | 8                      | 8                             | T,DL                                 |  |   | 2     |
| 3    | 75               | 67      | 71      | -7                     | 0                          | 0  | ENE                     | 7.6                         | 17                             | NE        | 0:00                                  | 0                            | 10                     | 10                            | DL                                   |  |   | 3     |
| 4    | 86               | 70      | 78      | 0                      | 0                          | 0  | S                       | 8.4                         | 15                             | S         | 5:27                                  | 38                           | 10                     | 10                            | DL                                   |  |   | 4     |
| 5    | 97               | 74      | 86      | +9                     | 0                          | 0  | SW                      | 7.1                         | 13                             | SW        | 6:43                                  | 48                           | 7                      | 7                             | DL                                   |  |   | 5     |
| 6    | 76               | 68      | 72      | -3                     | 0                          | 0  | NNE                     | 9.8                         | 19                             | NE        | 0:00                                  | 0                            | 10                     | 10                            | DL                                   |  |   | 6     |
| 7    | 84               | 66      | 75      | -3                     | 0                          | 0  | NNE                     | 6.3                         | 12                             | NE        | 6:16                                  | 45                           | 8                      | 7                             |                                      |  |   | 7     |
| 8    | 92               | 68      | 80      | +4                     | 0                          | 0  | SSE                     | 8.3                         | 32                             | SW        | 6:38                                  | 48                           | 7                      | 7                             | T,DL                                 |  |   | 8     |
| 9    | 86               | 66      | 76      | -1                     | 0                          | 0  | W                       | 5.4                         | 15                             | NW        | 6:38                                  | 47                           | 8                      | 7                             |                                      |  |   | 9     |
| 10   | 88               | 61      | 75      | -2                     | 0                          | 0  | W                       | 4.9                         | 11                             | SW        | 11:59                                 | 87                           | 1                      | 1                             |                                      |  |   | 10    |
| 11   | 86               | 64      | 75      | -1                     | 0                          | 0  | NE                      | 4.9                         | 9                              | E         | 12:30                                 | 91                           | 5                      | 3                             |                                      |  |   | 11    |
| 12   | 89               | 68      | 79      | +3                     | 0                          | 0  | E                       | 5.4                         | 14                             | NE        | 9:18                                  | 68                           | 5                      | 4                             |                                      |  |   | 12    |
| 13   | 79               | 68      | 74      | -3                     | 0                          | 0  | NE                      | 10.4                        | 20                             | NE        | 1:06                                  | 8                            | 10                     | 9                             |                                      |  |   | 13    |
| 14   | 87               | 69      | 78      | +1                     | 0                          | 0  | NW                      | 14.0                        | 28                             | NW        | 7:34                                  | 56                           | 7                      | 7                             |                                      |  |   | 14    |
| 15   | 96               | 66      | 81      | +4                     | 0                          | 0  | SW                      | 4.7                         | 10                             | SW        | 13:24                                 | 98                           | 2                      | 3                             |                                      |  |   | 15    |
| 16   | 94               | 69      | 82      | +6                     | 0                          | 0  | N                       | 5.9                         | 13                             | NE        | 13:01                                 | 96                           | 2                      | 3                             | T,DL                                 |  |   | 16    |
| 17   | 82               | 71      | 77      | +1                     | 0                          | 0  | NW                      | 6.1                         | 11                             | NE        | 3:25                                  | 25                           | 10                     | 10                            | T,DL                                 |  |   | 17    |
| 18   | 81               | 59      | 70      | -6                     | 0                          | 0  | N                       | 7.9                         | 17                             | N         | 12:55                                 | 96                           | 6                      | 6                             |                                      |  |   | 18    |
| 19   | 83               | 54      | 69      | -7                     | 0                          | 0  | WNW                     | 5.2                         | 11                             | SE        | 12:59                                 | 96                           | 5                      | 3                             |                                      |  |   | 19    |
| 20   | 83               | 59      | 71      | -5                     | 0                          | 0  | ENE                     | 4.8                         | 11                             | SE        | 8:34                                  | 64                           | 5                      | 4                             |                                      |  |   | 20    |
| 21   | 82               | 58      | 70      | -6                     | 0                          | 0  | NW                      | 7.3                         | 17                             | NE        | 12:52                                 | 96                           | 2                      | 2                             |                                      |  |   | 21    |
| 22   | 60               | 56      | 68      | -8                     | 0                          | 0  | NE                      | 6.7                         | 12                             | E         | 12:58                                 | 97                           | 8                      | 7                             |                                      |  |   | 22    |
| 23   | 88               | 58      | 73      | -3                     | 0                          | 0  | S                       | 6.5                         | 13                             | SE        | 12:47                                 | 96                           | 0                      | 1                             |                                      |  |   | 23    |
| 24   | 89               | 60      | 75      | 0                      | 0                          | 0  | NW                      | 6.2                         | 11                             | NE        | 15:17                                 | 100                          | 1                      | 0                             |                                      |  |   | 24    |
| 25   | 93               | 62      | 78      | +3                     | 0                          | 0  | SE                      | 5.4                         | 12                             | S         | 12:45                                 | 96                           | 1                      | 0                             |                                      |  |   | 25    |
| 26   | 94               | 64      | 79      | +4                     | 0                          | 0  | SW                      | 6.3                         | 17                             | S         | 13:08                                 | 99                           | 1                      | 1                             |                                      |  |   | 26    |
| 27   | 95               | 67      | 81      | +6                     | 0                          | 0  | SSW                     | 5.4                         | 9                              | N         | 13:10                                 | 100                          | 0                      | 1                             |                                      |  |   | 27    |
| 28   | 99               | 67      | 83      | +8                     | 0                          | 0  | SW                      | 5.2                         | 12                             | SE        | 11:06                                 | 85                           | 1                      | 2                             |                                      |  |   | 28    |
| 29   | 101              | 70      | 86      | +11                    | 0                          | 0  | SSW                     | 5.0                         | 10                             | SE        | 12:53                                 | 98                           | 1                      | 1                             |                                      |  |   | 29    |
| 30   | 101              | 71      | 86      | +12                    | 0                          | 0  | S                       | 5.8                         | 13                             | E         | 12:38                                 | 97                           | 2                      | 2                             |                                      |  |   | 30    |
| 31   | 102              | 72      | 87      | +13                    | 0                          | 0  | S                       | 6.4                         | 13                             | SE        | 11:37                                 | 89                           | 4                      | 4                             |                                      |  |   | 31    |
| Sum  | 2758             | 2034    |         |                        | 0.99                       | 0  |                         | 205.5                       |                                |           | 297.41                                |                              | 151                    | 146                           |                                      |  |   | Sum   |
| Avg  | 89.0             | 65.6    |         |                        |                            |  |                         | 6.6                         | Fastest                        | Dir.      | Possible                              | %                            | 4.9                    | 4.7                           |                                      |  |   | Avg.  |
|      |                  |         |         |                        |                            |  |                         | Misc.                       | 32                             | SW        | 420.35                                | 71                           |                        |                               |                                      |  |   | Misc. |

T in columns 7, 8, and 9 indicates amount too small to measure.

**TEMPERATURE: (°F)**  
 Average monthly 77.3  
 Departure from normal +1.4  
 Highest 102 on 31st  
 Lowest 54 on 19th  
 Number of days with -  
 Max. 32° or below 0  
 Max. 90° or above 13  
 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.) 29.876  
 Highest sea level 30.29 on 22nd  
 Lowest sea level 29.75 on 5th

**PRECIPITATION: (In.)**  
 Total for the month 0.99  
 Departure from normal -4.06  
 Greatest in 24 hours 0.55 on 13-14th  
 Snow, Sleet and Hail -  
 Total for the month 0  
 Greatest in 24 hours 0 on -  
 Greatest depth on ground 0 on -  
 Dates of - Hail -  
 Sleet - Glaze -

**Symbols used in columns 18-19**  
 A = Hail  
 B = Blowing snow  
 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

No Excessive precipitation. Record high temperatures for the date were recorded on 28th, 29th, and 30th. Driest August since 1943 when only 0.52 in. of precipitation was recorded.

**HOURLY PRECIPITATION**

| 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    | .02                  | T   | .01 |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 2    |
| 3    |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 3    |
| 4    |                      |     |     | T   | T   |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 4    |
| 5    |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 5    |
| 6    | T                    | .06 | T   |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 6    |
| 7    | T                    | T   |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 7    |
| 8    |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 8    |
| 9    |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 9    |
| 10   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 10   |
| 11   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 11   |
| 12   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 12   |
| 13   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 13   |
| 14   | .02                  | .03 | .02 | .01 | .11 | .13 | .02 | T | T |    |    |    | .05                  | .03 |   |   |   |   |   |   |   |    |    |    | 14   |
| 15   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 15   |
| 16   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 16   |
| 17   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 17   |
| 18   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 18   |
| 19   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 19   |
| 20   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 20   |
| 21   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 21   |
| 22   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 22   |
| 23   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 23   |
| 24   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 24   |
| 25   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 25   |
| 26   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 26   |
| 27   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 27   |
| 28   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 28   |
| 29   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 29   |
| 30   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 30   |
| 31   |                      |     |     |     |     |     |     |   |   |    |    |    |                      |     |   |   |   |   |   |   |   |    |    |    | 31   |

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