

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA
BYRD FIELD
JANUARY 1963

Latitude 37° 30' N. Longitude 70° 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.) | Wind | | | Sunshine | | Sky cover | | Thunderstorm or distant lightning | Weather restricting visibility to ¼ mile or less | Cooling Degree Days (base 60) | James River Stage at City Locks# Stage in Feet MSL | Date |
|------|------------------|---------|---------|-----------------------|------------------------|--------------------------------|-------------------|----------------------|--|--------------------------|------------------|-----------|---------------------------|---------------------|----------------------------|-------------------------------|-----------------------------------|--|-------------------------------|--|------------|
| | Maximum | Minimum | Average | Departure from normal | Degree days (base 65°) | Total (Water equivalent) (in.) | Snow, Sleet (in.) | Prevailing direction | | Average speed (m. p. h.) | Fastest mile | | Total (hours and minutes) | Percent of possible | Sunrise to sunset (tenths) | Midnight to midnight (tenths) | | | | | |
| | | | | | | | | | | | Speed (m. p. h.) | Direction | | | | | | | | | |
| 1 | 38 | 19 | 29 | -10 | 36 | 0 | 0 | T | NW | 11.5 | 20 | NW | 9:38 | 100 | 0 | 0 | | 0 | 0.2 | 1 | |
| 2 | 40 | 19 | 30 | -9 | 35 | 0 | 0 | T | N | 7.5 | 15 | N | 9:39 | 100 | 0 | 1 | | 0 | 1.0 | 2 | |
| 3 | 36 | 27 | 32 | -7 | 33 | 0 | 0 | T | NE | 6.4 | 11 | NE | 0:00 | 0 | 10 | 9 | | 0 | 1.5 | 3 | |
| 4 | 43 | 24 | 34 | -5 | 31 | 0 | 0 | T | NE | 8.4 | 16 | NW | 9:40 | 100 | 0 | 0 | | 0 | 0.9 | 4 | |
| 5 | 43 | 22 | 33 | -6 | 32 | 0 | 0 | T | N | 4.1 | 7 | NW | 7:18 | 76 | 4 | 5 | | 0 | -0.4 | 5 | |
| 6 | 47 | 28 | 38 | -1 | 27 | 0 | 0 | T | SE | 4.1 | 5 | N | 4:26 | 46 | 6 | 5 | | 0 | 0.0 | 6 | |
| 7 | 47 | 25 | 36 | -3 | 29 | 0 | 0 | T | NNE | 4.2 | 7 | NE | 4:33 | 47 | 4 | 5 | | 0 | -0.2 | 7 | |
| 8 | 47 | 29 | 38 | -1 | 27 | 0 | 0 | T | N | 6.8 | 9 | N | 0:43 | 7 | 8 | 9 | F | 0 | 0.6 | 8 | |
| 9 | 54 | 32 | 43 | +4 | 22 | 0 | 0 | T | SW | 7.8 | 16 | SW | 7:58 | 82 | 2 | 3 | | 0 | 1.3 | 9 | |
| 10 | 62 | 36 | 49 | +10 | 16 | 0.01 | 0 | T | SW | 9.2 | 16 | SW | 5:02 | 52 | 4 | 5 | | 0 | 1.4 | 10 | |
| 11 | 67 | 44 | 56 | +17 | 9 | 0.02 | 0 | T | SSW | 8.5 | 15 | SW | 2:48 | 29 | 7 | 7 | | 0 | 1.3 | 11 | |
| 12 | 68 | 52 | 60 | +21 | 5 | 0.11 | 0 | T | SSW | 7.2 | 12 | W | 5:34 | 57 | 6 | 7 | | 0 | 2.4 | 12 | |
| 13 | 56 | 30 | 43 | +4 | 22 | 0.61 | 1.4 | T | NE | 9.2 | 17 | N | 0:00 | 0 | 10 | 10 | | 0 | 4.2 | 13 | |
| 14 | 31 | 19 | 25 | -14 | 40 | 0 | 0 | T | N | 4.9 | 8 | N | 1:48 | 18 | 9 | 6 | | 0 | 6.8 | 14 | |
| 15 | 38 | 19 | 29 | -10 | 36 | 0 | 0 | T | S | 3.4 | 6 | N | 5:17 | 54 | 6 | 5 | F | 0 | 6.2 | 15 | |
| 16 | 47 | 21 | 34 | -5 | 31 | 0 | 0 | T | SSW | 4.4 | 6 | S | 9:53 | 100 | 0 | 0 | | 0 | 3.8 | 16 | |
| 17 | 52 | 24 | 38 | -1 | 27 | 0 | 0 | T | SSE | 4.7 | 10 | SE | 6:22 | 64 | 3 | 4 | | 0 | 2.1 | 17 | |
| 18 | 46 | 40 | 43 | +4 | 22 | 0.20 | 0 | T | N | 3.9 | 7 | N | 0:00 | 0 | 10 | 10 | F | 0 | 1.1 | 18 | |
| 19 | 48 | 43 | 46 | +7 | 19 | 0.31 | 0 | T | SE | 5.8 | 10 | E | 0:00 | 0 | 10 | 10 | F | 0 | 1.1 | 19 | |
| 20 | 63 | 43 | 53 | +14 | 12 | 0.19 | 0 | T | SW | 9.0 | 20 | SW | 0:00 | 0 | 10 | 10 | | 0 | 0.8 | 20 | |
| 21 | 50 | 22 | 36 | -3 | 29 | 0 | 0 | T | NNE | 9.8 | 17 | NE | 10:00 | 100 | 0 | 2 | | 0 | 0.2 | 21 | |
| 22 | 43 | 19 | 31 | -8 | 34 | 0 | 0 | T | SSW | 7.9 | 17 | SW | 10:02 | 100 | 0 | 0 | | 0 | 0.4 | 22 | |
| 23 | 56 | 27 | 42 | +3 | 23 | 0.01 | 0 | T | SSW | 15.2 | 29 | NW | 5:35 | 56 | 6 | 5 | | 0 | 0.0 | 23 | |
| 24 | 27 | 13 | 20 | -19 | 45 | 0 | 0 | T | W | 11.7 | 26 | N | 10:05 | 100 | 0 | 0 | | 0 | 0.1 | 24 | |
| 25 | 35 | 14 | 25 | -14 | 40 | 0 | 0 | T | W | 6.6 | 13 | W | 9:42 | 96 | 1 | 3 | | 0 | -0.3 | 25 | |
| 26 | 35 | 23 | 29 | -10 | 36 | 0.03 | 0 | T | SSE | 6.1 | 9 | N | 0:00 | 0 | 10 | 10 | | 0 | 0.7 | 26 | |
| 27 | 41 | 21 | 31 | -8 | 34 | 0 | 0 | T | NW | 12.6 | 25 | NW | 6:54 | 68 | 4 | 5 | | 0 | 1.5 | 27 | |
| 28 | 30 | 15 | 23 | -16 | 42 | 0 | 0 | T | NW | 8.6 | 14 | NW | 10:13 | 100 | 0 | 0 | | 0 | 1.5 | 28 | |
| 29 | 35 | 9 | 22 | -17 | 43 | 0 | 0 | T | S | 5.8 | 9 | S | 9:06 | 89 | 5 | 3 | | 0 | 1.2 | 29 | |
| 30 | 39 | 32 | 36 | -3 | 29 | 0.04 | 0 | T | SW | 7.5 | 13 | SW | 0:00 | 0 | 10 | 10 | F | 0 | 1.3 | 30 | |
| 31 | 40 | 27 | 34 | -5 | 31 | 0.02 | 0.2 | T | NNE | 8.0 | 13 | N | 4:26 | 43 | 6 | 8 | | 0 | 1.5 | 31 | |
| Sum | 1404 | 818 | | | | 1.55 | 1.6 | | | 230.8 | | | 166:42 | | 151 | 157 | | | | Sum | |
| Avg | 45.3 | 26.4 | | | | | | | | 7.4 | Fastest 29 | Dir. NW | Possible 307:19 | % 54 | | 4.9 | 5.1 | | | 1.4 | 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 35.9
Departure from normal -2.8
Highest 68 on 12
Lowest 9 on 29
Number of days with -
Max. 32° or below 3
Max. 90° or above 0
Min. 32° or below 25
Min. 0° or below 0

HEATING DEGREE DAYS (base 65°)
Total this month 897
Departure from normal +82
Seasonal total (since July 1) 2562
Seasonal departure from normal +230

BAROMETRIC PRESSURE (in.)
Avg. station (elev. 164 feet, m.s.l.) 29.935
Highest sea level 30.76 on 29
Lowest sea level 29.46 on 21

PRECIPITATION (in.)
Total for the month 1.55
Departure from normal -1.91
Greatest in 24 hours .61 on 13
Snow, Sleet-
Total for the month 1.6
Greatest in 24 hours 1.4 on 13
Greatest depth on ground 1 on 13
Dates of - Hail 0
Sleet 0 Glaze/Rime 26,27

Symbols used in columns 18-19

A = Hail L = 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.

No Excessive Precipitation

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

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 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 6 | | | | | | | T | | | | | | | | | | | | | | | | | | 6 | | | |
| 7 | | | | | | | T | | T | | | | | | | | | | | | | | | | 7 | | | |
| 8 | | | | | | | | T | | | | | | | | | | | | | | | | | 8 | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | .01 | 11 | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | |
| 13 | | | T | T | | .06 | .04 | .01 | | | | | | | | | | | | | | | | | 13 | | | |
| 14 | | | | | | | | | | | | | .06 | T | | | | | | | .01 | .02 | .04 | .03 | .03 | .04 | 14 | |
| 15 | | T | | | | | | | | | | | | | | | | | | | | | | | | 15 | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | |
| 19 | | | T | T | | | | | | | | | .02 | .01 | .02 | .02 | T | .01 | | T | | | .04 | .12 | .08 | .03 | .03 | 19 |
| 20 | | .04 | .04 | .01 | .02 | T | | T | T | T | | | .01 | .03 | .07 | | | | | | | | .04 | .12 | .05 | .02 | .01 | 20 |
| 21 | | T | | | | | | | | | | | | | | | | | | | | | | | | | 21 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | |
| 24 | | | | | | | | | | | | | | | | | | | T | .01 | T | | T | | | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | |
| 27 | | T | | | | | | | | | | | | | | | | | | | | | | | .01 | .01 | T | 27 |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | |
| 31 | | | | | | | .01 | .01 | T | | | | | | | .02 | T | T | | | | | | | | | 31 | |

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

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