

MAR 1987
 RICHMOND, VA
 NAT'L WEA SER OFC
 BOX A-63, RICHMOND INT'L AIRPORT

ISSN 0198-537X

LOCAL CLIMATOLOGICAL DATA Monthly Summary



R.E.BYRD INTERNATIONAL AP.

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

MAR 1987
 RICHMOND, VA

| DATE | TEMPERATURE °F | | | | | DEGREE DAYS BASE 65°F | | WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW | SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES | PRECIPITATION | | AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L. | WIND (M.P.H.) | | | | SUNSHINE | | SKY COVER (TENTHS) | | | | | | |
|----------------|----------------|---------------|---------|--------------------------|----------------------|-------------------------------------|-------------------------------------|---|--|--------------------------------|-------------------------------|---|------------------|-----------------------------------|---------------|--------------|-----------|----------------|-----------------------|---------|------------------------------|----------------------|-------------------------|------|------|
| | MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | AVERAGE DEW POINT | HEATING (SEASON BEGINS WITH JUL) | COOLING (SEASON BEGINS WITH JAN) | | | WATER EQUIVALENT (INCHES) | SNOW, ICE PELLETS (INCHES) | | RESULTANT DIR. | RESULTANT SPEED | AVERAGE SPEED | PEAK GUST | DIRECTION | FATEST MILE | DIRECTION | MINUTES | PERCENT OF TOTAL POSSIBLE | SUNRISE TO SUNSET | MIDNIGHT TO MIDNIGHT | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7A | 7B | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
| 01 | 72 | 52 | 62 | 20 | 50 | 3 | 0 | 1 | 0 | 0.25 | 0.0 | 29.430 | 22 | 13.0 | 18.6 | 41 | SW | 29 | 23 | 502 | 74 | 5 | 6 | | |
| 02 | 60 | 43 | 52 | 9 | 28 | 13 | 0 | | 0 | 0.00 | 0.0 | 29.680 | 28 | 12.6 | 13.9 | 35 | W | 21 | 29 | 684 | 100 | 0 | 1 | | |
| 03 | 62 | 35 | 49 | -6 | 24 | 16 | 0 | | 0 | 0.00 | 0.0 | 29.930 | 29 | 6.6 | 10.6 | 28 | N | 16 | 31 | 687 | 100 | 2 | 1 | | |
| 04 | 42 | 28 | 35 | -8 | 20 | 30 | 0 | | 0 | 0.1 | T | 30.190 | 36 | 9.1 | 10.3 | 28 | N | 15 | 36 | 343 | 50 | 6 | 3 | | |
| 05 | 46 | 24 | 35 | -8 | 18 | 30 | 0 | | 0 | 0.00 | 0.0 | 30.290 | 36 | 5.4 | 7.4 | 17 | N | 12 | 35 | 691 | 100 | 2 | 1 | | |
| 06 | 58 | 23* | 41 | -3 | 24 | 24 | 0 | | 0 | 0.00 | 0.0 | 30.290 | 19 | 3.7 | 4.6 | 13 | SW | 9 | 20 | 694 | 100 | 0 | 0 | | |
| 07 | 74 | 30 | 52 | 8 | 32 | 13 | 0 | | 0 | 0.00 | 0.0 | 30.050 | 20 | 6.3 | 6.8 | 16 | S | 10 | 21 | 696 | 100 | 1 | 0 | | |
| 08 | 70 | 38 | 54 | 10 | 41 | 11 | 0 | 1 | 0 | 0.08 | 0.0 | 29.730 | 17 | 3.9 | 5.8 | 17 | S | 10 | 17 | 578 | 83 | 9 | 7 | | |
| 09 | 62 | 40 | 51 | 6 | 52 | 14 | 0 | 1 | 8 | 0.08 | 0.0 | 29.430 | 01 | 7.2 | 9.7 | 43 | NE | 26 | 03 | 107 | 15 | 10 | 10 | | |
| 10 | 40 | 25 | 33 | -12 | 18 | 32 | 0 | 1 | 4 | 0.04 | T | 29.940 | 02 | 16.5 | 17.0 | 38 | N | 25 | 01 | 482 | 68 | 9 | 9 | | |
| 11 | 39 | 25 | 32* | -13 | 19 | 33 | 0 | | 0 | 0.00 | 0.0 | 30.200 | 04 | 9.7 | 10.4 | 23 | NE | 15 | 03 | 245 | 35 | 10 | 10 | | |
| 12 | 49 | 31 | 40 | -6 | 26 | 25 | 0 | | 0 | 0.00 | 0.0 | 30.080 | 01 | 7.6 | 8.4 | 23 | N | 14 | 01 | 487 | 69 | 6 | 6 | | |
| 13 | 50 | 30 | 40 | -6 | 23 | 25 | 0 | | 0 | 0.00 | 0.0 | 29.970 | 36 | 12.2 | 12.5 | 30 | N | 21 | 36 | 651 | 92 | 2 | 1 | | |
| 14 | 53 | 26 | 40 | -6 | 16 | 25 | 0 | | 0 | 0.00 | 0.0 | 29.970 | 36 | 3.6 | 8.1 | 17 | N | 13 | 01 | 644 | 90 | 1 | 3 | | |
| 15 | 56 | 33 | 45 | -2 | 30 | 20 | 0 | | 0 | 0.1 | T | 29.940 | 05 | 6.1 | 8.9 | 22 | NE | 15 | 04 | 400 | 56 | 9 | 7 | | |
| 16 | 42 | 32 | 37 | -10 | 32 | 28 | 0 | 1 | 8 | 0.17 | 0.7 | 30.020 | 02 | 7.1 | 9.2 | 17 | N | 13 | 03 | 282 | 39 | 9 | 9 | | |
| 17 | 55 | 26 | 41 | -6 | 18 | 24 | 0 | | 8 | 0.00 | 0.0 | 30.015 | 33 | 9.6 | 10.1 | 25 | NW | 17 | 33 | 720 | 100 | 0 | 0 | | |
| 18 | 59 | 34 | 47 | -1 | 17 | 18 | 0 | | 0 | 0.00 | 0.0 | 29.950 | 33 | 4.3 | 6.6 | 21 | NW | 13 | 36 | 618 | 86 | 7 | 6 | | |
| 19 | 50 | 31 | 41 | -7 | 29 | 24 | 0 | | 0 | 0.00 | 0.0 | 29.760 | 28 | 1.1 | 5.8 | 15 | N | 13 | 02 | 200 | 28 | 8 | 7 | | |
| 20 | 61 | 28 | 45 | -4 | 26 | 20 | 0 | | 0 | 0.00 | 0.0 | 29.675 | 34 | 5.1 | 8.0 | 23 | NW | 17 | 33 | 727 | 100 | 0 | 0 | | |
| 21 | 56 | 32 | 44 | -5 | 28 | 21 | 0 | | 0 | 0.00 | 0.0 | 29.640 | 36 | 9.5 | 10.7 | 24 | N | 18 | 35 | 642 | 88 | 2 | 1 | | |
| 22 | 58 | 41 | 50 | 1 | 30 | 15 | 0 | | 0 | 0.00 | 0.0 | 29.710 | 35 | 10.7 | 11.9 | 30 | NW | 16 | 33 | 300 | 41 | 7 | 4 | | |
| 23 | 62 | 32 | 47 | -3 | 34 | 18 | 0 | | 0 | 0.00 | 0.0 | 29.850 | 01 | 4.4 | 7.6 | 18 | N | 14 | 04 | 735 | 100 | 0 | 0 | | |
| 24 | 68 | 34 | 51 | 1 | 35 | 14 | 0 | | 0 | 0.00 | 0.0 | 29.860 | 12 | 3.9 | 6.8 | 18 | SE | 13 | 13 | 712 | 96 | 7 | 5 | | |
| 25 | 72 | 35 | 54 | 4 | 33 | 11 | 0 | | 0 | 0.00 | 0.0 | 29.840 | 17 | 8.6 | 9.3 | 25 | S | 15 | 17 | 648 | 88 | 4 | 4 | | |
| 26 | 75 | 49 | 62* | 11 | 40 | 3 | 0 | | 0 | 0.00 | 0.0 | 29.715 | 23 | 7.9 | 10.1 | 26 | W | 18 | 26 | 675 | 91 | 7 | 6 | | |
| 27 | 77* | 44 | 61 | 10 | 46 | 4 | 0 | 1 | 0 | 0.33 | 0.0 | 29.710 | 07 | 4.2 | 6.8 | 22 | SE | 16 | 11 | 372 | 50 | 9 | 9 | | |
| 28 | 68 | 49 | 59 | 8 | 52 | 6 | 0 | 1 | 0 | 0.26 | 0.0 | 29.750 | 02 | 5.4 | 9.5 | 23 | N | 16 | 02 | 620 | 83 | 7 | 6 | | |
| 29 | 70 | 41 | 56 | 4 | 46 | 9 | 0 | 1 | 0 | 0.00 | 0.0 | 29.960 | 15 | 8.4 | 9.1 | 25 | S | 16 | 12 | 642 | 86 | 9 | 7 | | |
| 30 | 64 | 52 | 58 | 6 | 55 | 7 | 0 | 1 | 8 | 0.25 | 0.0 | 29.610 | 12 | 9.7 | 10.3 | 31 | SE | 16 | 12 | 38 | 5 | 10 | 10 | | |
| 31 | 64 | 38 | 51 | -2 | 41 | 14 | 0 | 1 | 0 | 0.19 | 0.0 | 29.370 | 25 | 8.7 | 16.5 | 39 | W | 23 | 27 | 480 | 64 | 9 | 8 | | |
| SUM | SUM | | | | | TOTAL | TOTAL | | | TOTAL | TOTAL | FOR THE MONTH: | | | | | | | | TOTAL | % | SUM | SUM | | |
| 1834 | 1081 | | | | | 550 | 0 | | | 1.65 | 0.7 | 29.860 | 35 | 2.5 | 9.7 | 43 | NE | 29 | 23 | 16302 | FOR | 167 | 147 | | |
| AVG. | AVG. | AVG. | DEP. | AVG. | DEP. | | | | | DEP. | | | | | | | | | | DATE: 9 | DATE: 1 | POSSIBLE | MONTH | AVG. | AVG. |
| 59.2 | 34.9 | 47.1 | -0.1 | 31.7 | -2 | | | | | -1.92 | | | | | | | | | | 22252 | 73 | 5.4 | 4.7 | | |
| NUMBER OF DAYS | | | | | | SEASON TO DATE | | SNOW, ICE PELLETS | | GREATEST IN 24 HOURS AND DATES | | | | GREATEST DEPTH ON GROUND OF | | | | | | | | | | | |
| | | | | | | TOTAL | TOTAL | ≥ 1.0 INCH | | | | | | SNOW, ICE PELLETS OR ICE AND DATE | | | | | | | | | | | |
| MAXIMUM TEMP. | | MINIMUM TEMP. | | 3687 | | 0 | | THUNDERSTORMS | | PRECIPITATION | | SNOW, ICE PELLETS | | | | | | | | | | | | | |
| ≥ 90° | ≤ 32° | ≤ 32° | ≤ 0° | DEP. | DEP. | HEAVY FOG | | 0 | | 0.76 | | 28-01 | | 0.7 | | 16 | | T | | | | 16+ | | | |
| 0 | 0 | 15 | 0 | 18 | 0 | CLEAR 11 | | PARTLY CLOUDY 9 | | CLOUDY 11 | | | | | | | | | | | | | | | |

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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Kenneth D. Haden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1987
RICHMOND, VA

13740

| 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 | |
| 01 | T | 0.06 | 0.04 | 0.02 | 0.02 | T | T | T | T | 0.11 | T | | | | | | | | | | | | | 01 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | 02 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | 03 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | 04 | |
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| 06 | | | | | | | | | | | | | | | | | | | | | | | | 06 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | 07 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | 08 | |
| 09 | 0.02 | T | T | T | T | T | T | T | T | T | T | | | | | | T | 0.01 | T | T | 0.03 | 0.01 | 0.01 | 09 | |
| 10 | 0.02 | 0.01 | 0.01 | T | T | T | T | T | T | T | T | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | 14 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | 15 | |
| 16 | | T | T | T | 0.02 | 0.01 | | T | 0.04 | 0.05 | 0.05 | T | | | | | | | | | | | | 16 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | 17 | |
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| 23 | | | | | | | | | | | | | | | | | | | | | | | | 23 | |
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| 25 | | | | | | | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | 26 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | 27 | |
| 28 | T | 0.02 | 0.03 | 0.02 | T | 0.03 | 0.14 | 0.02 | T | | | | | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | 30 | |
| 31 | | | | T | T | | | 0.05 | 0.14 | T | 0.03 | 0.10 | 0.05 | 0.02 | T | T | T | | T | 0.03 | 0.02 | T | T | 31 | |

MAXIMUM SHORT DURATION PRECIPITATION

| TIME PERIOD (MINUTES) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PRECIPITATION (INCHES) | 0.05 | 0.09 | 0.13 | 0.17 | 0.21 | 0.26 | 0.26 | 0.27 | 0.27 | 0.30 | 0.30 | 0.32 |
| ENDED: DATE | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| ENDED: TIME | 1901 | 1900 | 1901 | 1900 | 1910 | 1922 | 1922 | 1957 | 1957 | 1959 | 1959 | 2059 |

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:
CAL SMITH

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