

LOCAL CLIMATOLOGICAL DATA Monthly Summary



NATIONAL WEATHER SERVICE OFC

LATITUDE 41° 44' N LONGITUDE 71° 26' W ELEVATION (GROUND) 51 FEET TIME ZONE EASTERN WBAN #14765

SEP 1983
 PROVIDENCE, RHODE ISLAND

| 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 07AM INCHES | PRECIPITATION | | AVERAGE STATION PRESSURE IN INCHES ELEV. 62 FEET ABOVE M.S.L. | WIND (M.P.H.) | | | | SUNSHINE | | SKY COVER (TENTHS) | | |
|----------------|----------------|---------------|---------|--------------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------|---|--|-------------------------------|-------------------|--|-----------------------------------|---------------|--------------------------|-----------|----------|------------------------------|-----------------------|-------------------------|------|
| | MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | AVERAGE DEP. POINT | HEATING ISEASON BEGINS WITH JULI | COOLING ISEASON BEGINS WITH JANU | WATER EQUIVALENT (INCHES) | | | SNOW, ICE PELLETS (INCHES) | RESULTANT DIR. | | RESULTANT SPEED | AVERAGE SPEED | FASTEST MILE SPEED | DIRECTION | MINUTES | PERCENT OF TOTAL POSSIBLE | SUNRISE TO SUNSET | MIDNIGHT TO MIDNIGHT | DATE |
| 1 | 81 | 62 | 72 | 4 | 59 | 0 | 7 | | 0 | 0 | 0 | 29.89 | 14 | 1.6 | 8.5 | 14 | 16 | 682 | 86 | 5 | 5 | 1 |
| 2 | 86 | 63 | 75 | 7 | 58 | 0 | 10 | 1 | 8 | 0 | 0 | 29.99 | 23 | 8.5 | 11.2 | 17 | 23 | 685 | 87 | 5 | 7 | 2 |
| 3 | 91 | 64 | 78 | 11 | 58 | 0 | 13 | | 0 | 0 | 0 | 29.90 | 27 | 5.9 | 8.2 | 14 | 31 | 716 | 91 | 3 | 4 | 3 |
| 4 | 91 | 61 | 76 | 9 | 59 | 0 | 11 | | 8 | T | 0 | 29.91 | 22 | 7.5 | 8.2 | 16 | 29 | 534 | 58 | 9 | 7 | 4 |
| 5 | 92 | 71 | 82 | 15 | 62 | 0 | 17 | 1 | 8 | 0 | 0 | 29.84 | 26 | 7.5 | 10.5 | 15 | 20 | 627 | 81 | 3 | 5 | 5 |
| 6 | 95 | 74 | 85 | 18 | 68 | 0 | 20 | | 8 | 0 | 0 | 29.76 | 18 | 8.5 | 8.8 | 18 | 20 | 628 | 81 | 2 | 3 | 6 |
| 7 | 96 | 71 | 84 | 18 | 60 | 0 | 19 | 1 | 8 | 0 | 0 | 29.74 | 30 | 5.5 | 11.1 | 18 | 22 | 704 | 91 | 1 | 1 | 7 |
| 8 | 84 | 63 | 74 | 8 | 46 | 0 | 9 | | 0 | 0 | 0 | 29.95 | 33 | 8.4 | 8.9 | 16 | 31 | 770 | 100 | 0 | 0 | 8 |
| 9 | 86 | 58 | 72 | 6 | 52 | 0 | 7 | | 0 | 0 | 0 | 30.01 | 20 | 7.3 | 9.8 | 17 | 19 | 767 | 100 | 5 | 3 | 9 |
| 10 | 94 | 68 | 81 | 16 | 62 | 0 | 16 | | 8 | 0 | 0 | 29.81 | 25 | 6.2 | 9.2 | 15 | 27 | 553 | 72 | 4 | 3 | 10 |
| 11 | 100* | 72 | 86* | 21 | 62 | 0 | 21 | | 8 | 0 | 0 | 29.74 | 24 | 9.1 | 10.5 | 18 | 26 | 651 | 85 | 2 | 2 | 11 |
| 12 | 86 | 65 | 76 | 11 | 48 | 0 | 11 | 3 | | 0 | 0 | 29.85 | 36 | 3.6 | 9.4 | 15 | 35 | 410 | 54 | 7 | 7 | 12 |
| 13 | 77 | 60 | 69 | 5 | 52 | 0 | 4 | | 0 | T | 0 | 29.96 | 04 | 7.7 | 9.6 | 14 | 05 | 475 | 63 | 8 | 8 | 13 |
| 14 | 69 | 51 | 60 | -4 | 45 | 5 | 0 | | 0 | .01 | 0 | 30.05 | 02 | 10.5 | 10.8 | 15 | 01 | 469 | 62 | 10 | 9 | 14 |
| 15 | 70 | 49 | 60 | -4 | 36 | 5 | 0 | | 0 | 0 | 0 | 30.17 | 01 | 6.7 | 9.5 | 15 | 04 | 751 | 100 | 1 | 2 | 15 |
| 16 | 70 | 44* | 57 | -6 | 41 | 8 | 0 | | 0 | 0 | 0 | 30.24 | 15 | 6.2 | 8.5 | 16 | 18 | 704 | 94 | 9 | 7 | 16 |
| 17 | 73 | 57 | 65 | -2 | 56 | 0 | 0 | 1 | | .31 | 0 | 29.98 | 09 | 3.2 | 7.3 | 14 | 17 | 270 | 35 | 9 | 9 | 17 |
| 18 | 77 | 54 | 66 | -3 | 52 | 0 | 1 | | 0 | 0 | 0 | 29.99 | 28 | 4.0 | 8.1 | 15 | 20 | 651 | 88 | 6 | 6 | 18 |
| 19 | 91 | 65 | 78 | 15 | 61 | 0 | 13 | 1 | 8 | 0 | 0 | 29.99 | 21 | 8.3 | 8.9 | 14 | 20 | 639 | 86 | 4 | 3 | 19 |
| 20 | 93 | 71 | 82 | 20 | 63 | 0 | 17 | 1 | 8 | 0 | 0 | 30.00 | 19 | 9.7 | 10.5 | 20 | 19 | 679 | 92 | 1 | 0 | 20 |
| 21 | 82 | 68 | 75 | 13 | 65 | 0 | 10 | 1 | 8 | .09 | 0 | 29.87 | 18 | 13.6 | 13.8 | 21 | 20 | 359 | 49 | 8 | 7 | 21 |
| 22 | 73 | 57 | 65 | -4 | 51 | 0 | 0 | 1 | | 1.13 | 0 | 29.73 | 33 | 8.4 | 12.2 | 18 | 17 | 496 | 68 | 7 | 7 | 22 |
| 23 | 68 | 49 | 59 | -2 | 37 | 6 | 0 | | 0 | 0 | 0 | 30.09 | 31 | 8.3 | 9.2 | 14 | 32 | 684 | 94 | 2 | 2 | 23 |
| 24 | 68 | 50 | 59 | -2 | 38 | 6 | 0 | | 0 | 0 | 0 | 30.33 | 35 | 9.1 | 9.9 | 15 | 03 | 592 | 82 | 3 | 2 | 24 |
| 25 | 69 | 45 | 57 | -3 | 39 | 8 | 0 | | 0 | 0 | 0 | 30.40 | 32 | 1.9 | 6.5 | 12 | 18 | 722 | 100 | 1 | 0 | 25 |
| 26 | 68 | 45 | 57* | -3 | 43 | 8 | 0 | | 0 | 0 | 0 | 30.26 | 21 | 4.3 | 7.2 | 16 | 16 | 703 | 98 | 7 | 4 | 26 |
| 27 | 80 | 50 | 65 | 5 | 46 | 0 | 0 | | 0 | 0 | 0 | 30.10 | 32 | 5.9 | 8.6 | 15 | 31 | 696 | 97 | 0 | 2 | 27 |
| 28 | 68 | 48 | 58 | -1 | 40 | 7 | 0 | | 0 | 0 | 0 | 30.27 | 03 | 9.7 | 10.5 | 16 | 03 | 714 | 98 | 5 | 3 | 28 |
| 29 | 71 | 47 | 59 | 0 | 42 | 6 | 0 | | 0 | 0 | 0 | 30.32 | 04 | 8.1 | 9.2 | 15 | 06 | 685 | 96 | 6 | 6 | 29 |
| 30 | 72 | 51 | 62 | 3 | 50 | 3 | 0 | 1 | | .33 | 0 | 30.25 | 04 | 6.0 | 7.2 | 12 | 04 | 494 | 70 | 10 | 10 | 30 |
| SUM | SUM | | | | | TOTAL | TOTAL | NUMBER OF DAYS | | TOTAL | TOTAL | FOR THE MONTH: | | | | TOTAL | % | SUM | SUM | | | |
| 2421 | 1753 | | | | | 62 | 206 | | | 2.16 | 0 | 30.01 | 28 | 1.6 | 9.4 | 21 | 20 | 18510 | 143 | 134 | | |
| AVG. | AVG. | AVG. | DEP. | AVG. | DEP. | | | PRECIPITATION | | DEP. | | | | | | DATE: 21 | POSSIBLE | MONTH | AVG. | AVG. | | |
| 80.7 | 58.4 | 69.6 | 6.1 | 52 | -32 | | 157 | > .01 INCH. | | 6 | -1.38 | | | | | | 22469 | 82 | 4.8 | 4.5 | | |
| 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. | | | | 6.6 | 105.7 | THUNDERSTORMS | | PRECIPITATION | | SNOW, ICE PELLETS | | | | | | | | | | |
| 5 90° | | 2 32° | | 2 32° | | 2 0° | | HEAVY FOG | | 0 | | 1.22 | | 21-22 | | 0 | | | | | | |
| 9 | | 0 | | 0 | | -34 | | CLEAR 12 | | PARTLY CLOUDY 11 | | CLOUDY 7 | | | | | | | | | | |

* 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 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: 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]. PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED [A / APPEARS IN THE DIRECTION COLUMN]. ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

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, ASHEVILLE, NORTH CAROLINA, 28801

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NATIONAL
 OCEANIC AND
 ATMOSPHERIC ADMINISTRATION

NATIONAL
 ENVIRONMENTAL SATELLITE, DATA
 AND INFORMATION SERVICE

NATIONAL
 CLIMATIC DATA CENTER
 ASHEVILLE NORTH CAROLINA

F. Ray Hoxit

ACTING DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1983 14765
PROVIDENCE, RHODE ISLAND

| HOUR | L. S. I. | SKY COVER (TENTHS) | VISI-BILITY | | TEMPERATURE | | | | WIND | | SKY COVER (TENTHS) | VISI-BILITY | | TEMPERATURE | | | | WIND | | SKY COVER (TENTHS) | VISI-BILITY | | TEMPERATURE | | | | WIND | | | | | | | | | | | |
|--------|----------|--------------------|-----------------------------|-------------|-------------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|-------------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|-------------|-------------|--------------|----------------|-----------|---------------|--|--|--|--|--|--|--|--|--|--|
| | | | CEILING IN HUNDREDS OF FEET | WHOLE MILES | AIR OF | NET BULB OF | DEN POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | CEILING IN HUNDREDS OF FEET | WHOLE MILES | AIR OF | NET BULB OF | DEN POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | CEILING IN HUNDREDS OF FEET | WHOLE MILES | AIR OF | NET BULB OF | DEN POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | | | | | | | | | |
| DAY 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 28 | 10 | | 65 | 61 | 58 | 78 | 02 | 5 | DAY 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 8 | 120 | 7 | | 62 | 59 | 57 | 84 | 36 | 4 | DAY 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 8 | 20 | 7 | | 67 | 62 | 59 | 76 | 36 | 7 | DAY 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 5 | UNL | 15 | | 76 | 65 | 59 | 56 | 34 | 8 | DAY 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 6 | 31 | 15 | | 80 | 67 | 60 | 51 | 14 | 9 | DAY 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 4 | UNL | 15 | | 79 | 68 | 62 | 56 | 16 | 10 | DAY 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 0 | UNL | 15 | | 72 | 65 | 60 | 66 | 19 | 11 | DAY 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 1 | UNL | 15 | | 68 | 63 | 59 | 73 | 18 | 5 | DAY 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 10 | | 68 | 62 | 58 | 71 | 22 | 4 | DAY 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 0 | UNL | 10 | | 65 | 59 | 55 | 70 | 22 | 4 | DAY 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 2 | UNL | 15 | | 69 | 62 | 57 | 66 | 21 | 4 | DAY 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | UNL | 15 | | 86 | 70 | 61 | 43 | 21 | 8 | DAY 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 10 | UNL | 15 | | 91 | 69 | 56 | 31 | 27 | 12 | DAY 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | 90 | 8 | | 84 | 69 | 61 | 46 | 20 | 10 | DAY 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 100 | 4 | | 80 | 68 | 62 | 54 | 22 | 8 | DAY 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 8 | 100 | 6 | | 76 | 67 | 62 | 62 | 22 | 7 | DAY 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 4 | UNL | 5 | H | 75 | 70 | 68 | 79 | 17 | 6 | DAY 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 3 | UNL | 4 | FH | 74 | 71 | 69 | 84 | 16 | 4 | DAY 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 4 | UNL | 5 | H | 78 | 73 | 70 | 77 | 18 | 7 | DAY 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1 | UNL | 10 | | 92 | 75 | 67 | 44 | 27 | 11 | DAY 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 0 | UNL | 15 | | 96 | 72 | 59 | 29 | 28 | 14 | DAY 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 1 | UNL | 15 | | 90 | 70 | 59 | 35 | 33 | 15 | DAY 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 1 | UNL | 15 | | 81 | 62 | 47 | 30 | 35 | 10 | DAY 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 0 | UNL | 15 | | 74 | 58 | 44 | 34 | 35 | 10 | DAY 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 15 | | 68 | 63 | 60 | 76 | 18 | 6 | DAY 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 0 | UNL | 15 | | 71 | 64 | 60 | 68 | 22 | 10 | DAY 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 120 | 10 | | 72 | 64 | 59 | 64 | 22 | 9 | DAY 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 2 | UNL | 15 | | 81 | 67 | 59 | 47 | 22 | 7 | DAY 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 0 | UNL | 15 | | 92 | 72 | 62 | 37 | 32 | 11 | DAY 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 3 | UNL | 15 | | 92 | 73 | 63 | 38 | 30 | 11 | DAY 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 3 | UNL | 15 | | 83 | 71 | 64 | 53 | 24 | 5 | DAY 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 3 | UNL | 7 | | 78 | 70 | 65 | 64 | 31 | 5 | DAY 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 90 | 15 | | 65 | 60 | 57 | 75 | 20 | 4 | DAY 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 4 | UNL | 15 | | 61 | 56 | 52 | 72 | 33 | 3 | DAY 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 7 | 250 | 15 | | 63 | 58 | 54 | 73 | 36 | 8 | DAY 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 8 | 100 | 15 | | 73 | 62 | 54 | 51 | 03 | 12 | DAY 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 7 | 100 | 15 | | 77 | 62 | 51 | 40 | 07 | 12 | DAY 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | 75 | 12 | | 72 | 59 | 48 | 43 | 04 | 11 | DAY 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 75 | 15 | | 67 | 58 | 52 | 59 | 04 | 10 | DAY 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | 65 | 15 | | 66 | 58 | 51 | 59 | 03 | 7 | DAY 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 15 | | 48 | 44 | 39 | 71 | 00 | 0 | DAY 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 0 | UNL | 15 | | 46 | 43 | 39 | 77 | 00 | 0 | DAY 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 8 | UNL | 15 | | 51 | 46 | 41 | 69 | 36 | 3 | DAY 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | UNL | 10 | | 67 | 53 | 40 | 37 | 08 | 8 | DAY 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 10 | UNL | 10 | | 70 | 56 | 45 | 41 | 18 | 12 | DAY 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | UNL | 15 | | 68 | 54 | 42 | 39 | 18 | 14 | DAY 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 8 | UNL | 15 | | 61 | 49 | 47 | 41 | 17 | 10 | DAY 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | 28 | 12 | | 63 | 52 | 42 | 46 | 13 | 12 | DAY 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 5 | 52 | 46 | 62 | 02 | 8 | DAY 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 5 | 53 | 50 | 78 | 02 | 5 | DAY 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 6 | 57 | 55 | 84 | 06 | 7 | DAY 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 6 | 51 | 58 | 78 | 07 | 7 | DAY 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 6 | 58 | 58 | 64 | 35 | 3 | DAY 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6 | 65 | 60 | 64 | 15 | 10 | DAY 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 6 | 65 | 62 | 79 | 18 | 7 | DAY 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 6 | 62 | 60 | 81 | 17 | 4 | DAY 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 6 | 90 | 12 | | 62 | 58 | 56 | 61 | 35 | 3 | DAY 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 6 | 90 | 12 | | 59 | 55 | 52 | 78 | 02 | 4 | DAY 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 6 | 90 | 12 | | 60 | 56 | 53 | 78 | 35 | 3 | DAY 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 6 | 90 | 12 | | 72 | 60 | 51 | 48 | 34 | 10 | DAY 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 6 | 90 | 12 | | 77 | 61 | 49 | 37 | 29 | 10 | DAY 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6 | 90 | 12 | | 76 | 61 | 50 | 40 | 24 | 12 | DAY 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 6 | 90 | 12 | | 68 | 58 | 51 | 55 | 20 | 9 | DAY 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 6 | 90 | 12 | | 68 | 61 | 57 | 68 | 20 | 5 | DAY 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

WEATHER CODES

- * TORNA DO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1983 14765
PROVIDENCE, RHODE ISLAND

| HOUR L.S.T. | SKY COVER (TENTHS) | | | | TEMPERATURE | | | | WIND | | | | SKY COVER (TENTHS) | | | | TEMPERATURE | | | | WIND | | | | | | | | | | | | | | | |
|-------------|-----------------------------|-------------|------------|---------|-------------|-------------|--------------|----------------|-----------|---------------|-----------------------------|-------------|--------------------|---------|--------|-------------|--------------|----------------|-----------|---------------|-----------------------------|-------------|------------|---------|--------|-------------|--------------|----------------|-----------|---------------|--|--|--|--|--|--|
| | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | WET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | WET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | WET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | | | | | |
| | DAY 19 | | | | | | | | | | | | DAY 20 | | | | | | | | | | | | DAY 21 | | | | | | | | | | | |
| 01 | 5 | UNL | 7 | | 65 | 61 | 58 | 78 | 19 | 6 | 0 | UNL | 6 | H | 72 | 66 | 63 | 73 | 21 | 5 | 0 | UNL | 7 | | 70 | 64 | 60 | 71 | 18 | 8 | | | | | | |
| 04 | 6 | 90 | 4 | FH | 66 | 62 | 60 | 81 | 18 | 5 | 0 | UNL | 6 | H | 74 | 66 | 62 | 66 | 24 | 7 | 0 | UNL | 5 | F | 68 | 64 | 61 | 78 | 19 | 7 | | | | | | |
| 07 | 5 | UNL | 6 | H | 70 | 63 | 58 | 66 | 22 | 10 | 1 | UNL | 4 | H | 73 | 67 | 63 | 71 | 21 | 5 | 5 | UNL | 2 | 8 | 72 | 68 | 66 | 82 | 19 | 14 | | | | | | |
| 10 | 1 | UNL | 12 | | 81 | 68 | 61 | 51 | 20 | 12 | 1 | UNL | 4 | H | 84 | 72 | 66 | 55 | 16 | 8 | 10 | 13 | 4 | H | 78 | 70 | 66 | 67 | 19 | 16 | | | | | | |
| 13 | 10 | UNL | 12 | | 89 | 71 | 62 | 41 | 23 | 9 | 1 | UNL | 6 | H | 91 | 74 | 66 | 44 | 16 | 10 | 10 | 19 | 5 | H | 80 | 71 | 67 | 65 | 17 | 12 | | | | | | |
| 16 | 2 | UNL | 5 | H | 90 | 72 | 63 | 41 | 22 | 11 | 0 | UNL | 5 | H | 89 | 70 | 59 | 36 | 19 | 17 | 10 | 22 | 6 | H | 77 | 70 | 66 | 69 | 17 | 13 | | | | | | |
| 19 | 2 | UNL | 5 | H | 78 | 68 | 62 | 58 | 15 | 4 | 0 | UNL | 5 | H | 75 | 67 | 62 | 64 | 20 | 9 | 10 | 11 | 5 | H | 75 | 69 | 66 | 74 | 18 | 12 | | | | | | |
| 22 | 3 | UNL | 5 | H | 75 | 68 | 64 | 69 | 21 | 5 | 0 | UNL | 6 | H | 73 | 66 | 62 | 69 | 19 | 12 | 10 | 10 | 5 | H | 75 | 70 | 67 | 76 | 17 | 14 | | | | | | |
| | DAY 22 | | | | | | | | | | | | DAY 23 | | | | | | | | | | | | DAY 24 | | | | | | | | | | | |
| 01 | 10 | 7 | 3 | RF | 73 | 69 | 67 | 82 | 18 | 14 | 8 | 60 | 15 | | 55 | 47 | 39 | 55 | 33 | 7 | 4 | UNL | 15 | | 50 | 45 | 39 | 66 | 33 | 5 | | | | | | |
| 04 | 10 | 7 | 3 | RF | 69 | 65 | 62 | 79 | 34 | 7 | 0 | UNL | 15 | | 51 | 44 | 35 | 54 | 34 | 6 | 4 | UNL | 15 | | 50 | 44 | 37 | 61 | 35 | 7 | | | | | | |
| 07 | 10 | 40 | 4 | RW | 62 | 58 | 55 | 78 | 34 | 13 | 0 | UNL | 15 | | 52 | 45 | 38 | 59 | 24 | 7 | 0 | UNL | 15 | | 52 | 46 | 39 | 61 | 34 | 13 | | | | | | |
| 10 | 10 | 18 | 15 | | 65 | 58 | 53 | 65 | 34 | 13 | 0 | UNL | 15 | | 62 | 50 | 37 | 40 | 31 | 8 | 0 | UNL | 15 | | 62 | 51 | 39 | 43 | 34 | 12 | | | | | | |
| 13 | 5 | UNL | 15 | | 73 | 59 | 47 | 40 | 33 | 12 | 6 | 45 | 15 | | 66 | 52 | 37 | 34 | 32 | 10 | 4 | UNL | 15 | | 67 | 52 | 36 | 32 | 36 | 13 | | | | | | |
| 16 | 2 | UNL | 15 | | 71 | 55 | 40 | 33 | 33 | 12 | 0 | UNL | 15 | | 65 | 50 | 35 | 33 | 32 | 12 | 6 | 49 | 15 | | 65 | 50 | 34 | 32 | 34 | 8 | | | | | | |
| 19 | 0 | UNL | 15 | | 62 | 51 | 41 | 46 | 33 | 8 | 0 | UNL | 15 | | 58 | 48 | 38 | 48 | 32 | 7 | 0 | UNL | 15 | | 58 | 49 | 40 | 51 | 07 | 6 | | | | | | |
| 22 | 8 | 65 | 15 | | 57 | 49 | 42 | 57 | 32 | 6 | 7 | 70 | 15 | | 53 | 46 | 38 | 57 | 31 | 7 | 0 | UNL | 15 | | 51 | 47 | 42 | 71 | 35 | 5 | | | | | | |
| | DAY 25 | | | | | | | | | | | | DAY 26 | | | | | | | | | | | | DAY 27 | | | | | | | | | | | |
| 01 | 0 | UNL | 15 | | 48 | 44 | 40 | 74 | 33 | 4 | 0 | UNL | 15 | | 48 | 44 | 40 | 74 | 31 | 6 | 0 | UNL | 15 | | 50 | 47 | 44 | 80 | 21 | 7 | | | | | | |
| 04 | 0 | UNL | 15 | | 46 | 42 | 38 | 74 | 32 | 4 | 0 | UNL | 15 | | 46 | 42 | 37 | 71 | 31 | 3 | 0 | UNL | 7 | | 50 | 47 | 43 | 77 | 21 | 4 | | | | | | |
| 07 | 0 | UNL | 15 | | 49 | 45 | 40 | 71 | 32 | 4 | 0 | UNL | 15 | | 49 | 45 | 40 | 71 | 31 | 4 | 0 | UNL | 10 | | 58 | 52 | 46 | 65 | 31 | 8 | | | | | | |
| 10 | 1 | UNL | 15 | | 65 | 53 | 41 | 42 | 03 | 8 | 9 | 40 | 12 | | 67 | 56 | 46 | 47 | 19 | 9 | 0 | UNL | 15 | | 72 | 60 | 50 | 46 | 34 | 7 | | | | | | |
| 13 | 1 | UNL | 15 | | 68 | 51 | 33 | 27 | 01 | 6 | 9 | 40 | 15 | | 66 | 55 | 45 | 47 | 17 | 10 | 0 | UNL | 15 | | 78 | 58 | 42 | 28 | 36 | 9 | | | | | | |
| 16 | 0 | UNL | 15 | | 67 | 53 | 39 | 36 | 17 | 8 | 10 | 300 | 15 | | 65 | 54 | 43 | 45 | 18 | 10 | 1 | UNL | 12 | | 78 | 60 | 45 | 31 | 31 | 12 | | | | | | |
| 19 | 0 | UNL | 15 | | 56 | 48 | 40 | 55 | 20 | 6 | 0 | UNL | 15 | | 56 | 50 | 44 | 64 | 19 | 5 | 2 | UNL | 12 | | 68 | 57 | 47 | 47 | 32 | 6 | | | | | | |
| 22 | 0 | UNL | 15 | | 51 | 46 | 41 | 69 | 29 | 5 | 0 | UNL | 15 | | 53 | 49 | 45 | 74 | 23 | 3 | 8 | UNL | 8 | | 65 | 58 | 52 | 63 | 36 | 7 | | | | | | |
| | DAY 28 | | | | | | | | | | | | DAY 29 | | | | | | | | | | | | DAY 30 | | | | | | | | | | | |
| 01 | 4 | UNL | 8 | | 63 | 54 | 45 | 52 | 01 | 10 | 0 | UNL | 15 | | 48 | 44 | 39 | 71 | 36 | 6 | 10 | 250 | 12 | | 53 | 49 | 46 | 77 | 36 | 6 | | | | | | |
| 04 | 0 | UNL | 10 | | 58 | 51 | 45 | 62 | 01 | 8 | 0 | UNL | 15 | | 47 | 43 | 39 | 74 | 36 | 6 | 8 | 250 | 12 | | 51 | 47 | 44 | 77 | 01 | 6 | | | | | | |
| 07 | 2 | UNL | 12 | | 58 | 50 | 42 | 55 | 02 | 12 | 4 | UNL | 15 | | 50 | 45 | 40 | 69 | 01 | 7 | 10 | 120 | 8 | | 53 | 50 | 47 | 80 | 02 | 6 | | | | | | |
| 10 | 4 | UNL | 15 | | 65 | 52 | 40 | 40 | 04 | 11 | 6 | 250 | 15 | | 67 | 55 | 45 | 45 | 06 | 13 | 8 | 90 | 15 | | 64 | 56 | 50 | 61 | 03 | 8 | | | | | | |
| 13 | 9 | UNL | 15 | | 68 | 52 | 35 | 30 | 04 | 10 | 7 | 250 | 15 | | 71 | 55 | 41 | 34 | 05 | 10 | 10 | 29 | 15 | | 70 | 59 | 50 | 49 | 08 | 7 | | | | | | |
| 16 | 7 | UNL | 15 | | 67 | 51 | 34 | 30 | 02 | 10 | 9 | 250 | 15 | | 69 | 55 | 42 | 38 | 08 | 8 | 10 | 28 | 15 | | 70 | 58 | 48 | 46 | 05 | 9 | | | | | | |
| 19 | 3 | UNL | 15 | | 57 | 48 | 39 | 51 | 09 | 7 | 9 | 250 | 15 | | 59 | 52 | 45 | 60 | 06 | 9 | 10 | 19 | 3 | RF | 64 | 60 | 57 | 78 | 12 | 4 | | | | | | |
| 22 | 0 | UNL | 15 | | 51 | 45 | 39 | 64 | 36 | 5 | 9 | 250 | 12 | | 56 | 51 | 47 | 72 | 01 | 5 | 10 | 16 | 3 | F | 62 | 58 | 56 | 81 | 02 | 4 | | | | | | |

PROVIDENCE R I

83 09

SUMMARY BY HOURS

| HOUR L.S.T. | SKY COVER (TENTHS) | STATION PRESSURE (INCHES) | AVERAGES | | | | RESULTANT WIND | |
|-------------|--------------------|---------------------------|-------------|-------------|--------------|------------------|----------------|-------------|
| | | | TEMPERATURE | | | WIND SPEED (MPH) | DIRECTION | SPEED (MPH) |
| | | | AIR TEMP OF | WET BULB OF | DEW POINT OF | | | |
| 01 | 5 | 30.01 | 63 | 57 | 52 | 6.9 | 28 | 1.7 |
| 04 | 4 | 30.01 | 61 | 58 | 51 | 6.6 | 31 | 2.3 |
| 07 | 4 | 30.04 | 64 | 57 | 52 | 8.4 | 31 | 3.1 |
| 10 | 5 | 30.04 | 75 | 62 | 52 | 11.2 | 35 | 3.1 |
| 13 | 6 | 30.00 | 80 | 62 | 50 | 12.4 | 28 | 2.5 |
| 16 | 5 | 29.98 | 78 | 62 | 51 | 13.0 | 21 | 3.7 |
| 19 | 4 | 30.01 | 70 | 60 | 52 | 9.4 | 20 | 2.6 |
| 22 | 5 | 30.03 | 66 | 59 | 53 | 7.3 | 26 | 1.5 |

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 1983 14765
PROVIDENCE, RHODE ISLAND

| 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 | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| 14 | T | .01 | | | | | | | | | | | | | | | | | | | | | | 14 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | 15 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | 16 | |
| 17 | | | .03 | .01 | .19 | .07 | .01 | | | | | | | | | | | | | | | | | 17 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | 18 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | 19 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | 20 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | 21 | |
| 22 | .02 | .04 | .25 | .75 | .02 | .02 | .03 | T | | | | | | | | | | | | | | .03 | .06 | 22 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | 23 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | 26 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | 27 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30 | |

MAXIMUM SHORT DURATION PRECIPITATION

| TIME PERIOD (MINUTES) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PRECIPITATION (INCHES) | 00.16 | 00.30 | 00.36 | 00.51 | 00.61 | 00.71 | 00.82 | 00.92 | 00.99 | 01.01 | 01.03 | 01.04 |
| ENDED: DATE | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| ENDED: TIME | 0335 | 0335 | 0335 | 0335 | 0335 | 0335 | 0335 | 0335 | 0355 | 0355 | 0335 | 0400 |

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.

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