

| WS FORM F-6 | | | | | | | | | | STATION MOUNT WASHINGTON OBSERVATORY | | | | | | | | | |
|---|-----|-------|------|------|---|---------------------|------|---------------|------------|---|-----------|--------------|----------|-------|--------------------------|--------------------|------|--------------------|----------------|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA | | | | | | | | | | MONTH FEBRUARY | | | | | YEAR 2015 | | | | |
| LATITUDE 44 DEGREES 16 MINUTES NORTH | | | | | LONGITUDE 71 DEGREES 18 MINUTES WEST | | | | | GROUND ELEVATION (H) 6280 FT | | | | | STANDARD TIME EASTERN | | | | |
| TEMPERATURE (°F) | | | | | | PRECIPITATION (IN.) | | | | | | WIND (MPH) | | | | SUNSHINE (MINUTES) | | SKY COVER (TENTHS) | WEATHER OCCUR. |
| | | | | | | DEGREE DAYS | | TOTAL (EQUIV) | SNOW & ICE | SNOW/ICE ON GROUND-7AM | AVG SPEED | FASTEST MILE | | TOTAL | % POSS | | | | |
| DAY | MAX | MIN | AVG | NORM | DEPART | HEAT | COOL | | | | SPEED | SPEED | DIR | | | | | | |
| 1 | 2 | -14 | -6 | 5 | -11 | 71 | 0 | 0.00 | 0.0 | 8 | 67.0 | 94 | 310 (NW) | 460 | 76 | 5 | 1269 | | |
| 2 | 8 | -9 | 0 | 5 | -5 | 65 | 0 | 0.41 | 4.8 | 8 | 26.3 | 86 | 340 (N) | 0 | 0 | 10 | 1269 | | |
| 3 | -7 | -19 | -13 | 5 | -18 | 78 | 0 | 0.00 | 0.0 | 8 | 61.3 | 89 | 330 (NW) | 359 | 59 | 5 | 1269 | | |
| 4 | 14 | -8 | 3 | 5 | -2 | 62 | 0 | 0.28 | 3.7 | 8 | 45.3 | 70 | 280 (W) | 0 | 0 | 10 | 1269 | | |
| 5 | 10 | -24 | -7 | 5 | -12 | 72 | 0 | 0.18 | 1.4 | 9 | 51.8 | 81 | 330 (NW) | 70 | 11 | 10 | 1269 | | |
| 6 | -4 | -22 | -13 | 5 | -18 | 78 | 0 | 0.17 | 1.8 | 9 | 49.2 | 83 | 290 (W) | 98 | 16 | 9 | 1269 | | |
| 7 | 1 | -11 | -5 | 5 | -10 | 70 | 0 | 0.19 | 2.1 | 10 | 57.6 | 97 | 300 (NW) | 0 | 0 | 10 | 1269 | | |
| 8 | 8 | 0 | 4 | 5 | -1 | 61 | 0 | 0.40 | 5.7 | 10 | 25.5 | 38 | 230 (SW) | 0 | 0 | 10 | 1269 | | |
| 9 | 16 | 0 | 8 | 5 | 3 | 57 | 0 | 0.25 | 3.2 | 14 | 17.9 | 34 | 180 (S) | 0 | 0 | 10 | 12 | | |
| 10 | 19 | 8 | 14 | 5 | 9 | 51 | 0 | T | T | 16 | 29.8 | 60 | 340 (N) | 188 | 30 | 9 | 1269 | | |
| 11 | 30 | 13 | 22 | 6 | 16 | 43 | 0 | 0.00 | 0.0 | 16 | 12.8 | 38 | 360 (N) | 625 | 99 | 5 | | | |
| 12 | 14 | -16 | -1 | 6 | -7 | 66 | 0 | 0.11 | 2.2 | 16 | 32.2 | 50 | 320 (NW) | 0 | 0 | 10 | 126 | | |
| 13 | -10 | -25 | -17 | 6 | -23 | 82 | 0 | 0.05 | 0.5 | 18 | 55.9 | 89 | 330 (NW) | 593 | 94 | 4 | 1269 | | |
| 14 | -1 | -15 | -8 | 6 | -14 | 73 | 0 | 0.09 | 1.3 | 17 | 31.6 | 52 | 230 (SW) | 0 | 0 | 10 | 126 | | |
| 15 | 0 | -35 | -17 | 6 | -23 | 82 | 0 | 0.10 | 0.9 | 19 | 55.9 | 105 | 340 (N) | 310 | 48 | 9 | 1269 | | |
| 16 | -4 | -35 | -19 | 6 | -25 | 84 | 0 | 0.00 | 0.0 | 18 | 91.2 | 141 | 340 (N) | 643 | 100 | 3 | 12 | | |
| 17 | 2 | -6 | -2 | 6 | -8 | 67 | 0 | 0.01 | 0.2 | 18 | 16.0 | 45 | 330 (NW) | 240 | 37 | 9 | 126 | | |
| 18 | 4 | -7 | -1 | 7 | -8 | 66 | 0 | 0.18 | 2.7 | 18 | 22.7 | 47 | 170 (S) | 636 | 98 | 3 | 1269 | | |
| 19 | 3 | -23 | -10 | 7 | -17 | 75 | 0 | 0.35 | 5.2 | 19 | 28.2 | 51 | 300 (NW) | 140 | 22 | 9 | 1269 | | |
| 20 | -15 | -26 | -20 | 7 | -27 | 85 | 0 | 0.00 | 0.0 | 20 | 63.0 | 98 | 310 (NW) | 340 | 52 | 9 | 1269 | | |
| 21 | 8 | -17 | -4 | 7 | -11 | 69 | 0 | 0.44 | 5.2 | 19 | 43.9 | 74 | 230 (SW) | 304 | 46 | 9 | 1269 | | |
| 22 | 16 | 4 | 10 | 7 | 3 | 55 | 0 | 0.14 | 1.4 | 17 | 41.0 | 72 | 270 (W) | 469 | 71 | 6 | 1269 | | |
| 23 | 4 | -35 | -15 | 7 | -22 | 80 | 0 | 0.17 | 1.8 | 17 | 71.3 | 98 | 300 (NW) | 22 | 3 | 10 | 1269 | | |
| 24 | 1 | -32 | -15 | 8 | -23 | 80 | 0 | 0.00 | 0.0 | 15 | 46.6 | 83 | 310 (NW) | 524 | 79 | 8 | 129 | | |
| 25 | -1 | -14 | -7 | 8 | -15 | 72 | 0 | 0.08 | 0.7 | 14 | 45.4 | 78 | 300 (NW) | 5 | 1 | 10 | 126 | | |
| 26 | 5 | -15 | -5 | 8 | -13 | 70 | 0 | 0.01 | 0.3 | 14 | 34.4 | 70 | 310 (NW) | 180 | 27 | 10 | 126 | | |
| 27 | -5 | -13 | -9 | 8 | -17 | 74 | 0 | T | T | 14 | 33.9 | 49 | 300 (NW) | 636 | 94 | 3 | | | |
| 28 | 4 | -11 | -3 | 8 | -11 | 68 | 0 | 0.00 | 0.0 | 14 | 30.8 | 46 | 310 (NW) | 680 | 100 | 0 | | | |
| SUM | 122 | -407 | ---- | ---- | ---- | 1956 | 0 | 3.61 | 45.1 | ---- | 1188.5 | ---- | ---- | 7522 | ---- | 215 | ---- | | |
| AVG | 4.4 | -14.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 42.4 | FASTEST | DIR | POSS | % | 7.7 | ---- | | |
| | | | | | | | | | | | MISC. -> | 141 | 340 (N) | 17905 | 42% | | | | |

| TEMPERATURE DATA (°F) | | PRECIPITATION DATA (IN.) | | WEATHER | | SYMBOLS USED IN COLUMN 16 | |
|---------------------------------|-------------------------|-----------------------------|-------------------|---------------------------|----|-----------------------------|--|
| AVERAGE MONTHLY | -5.1 | TOTAL FOR THE MONTH | 3.61 | NUMBER OF DAYS: | | 1 = FOG | |
| DEPARTURE FROM NORMAL | -11.2 | DEPARTURE FROM NORMAL | -3.16 | CLEAR (SCALE 0-3) | 4 | 2 = FOG REDUCING VISIBILITY | |
| HIGHEST | 30 on 11th | 24 HOUR MAX | 0.58 on 21st/22nd | PARTLY CLOUDY (SCALE 4-7) | 5 | TO 1/4 MILE OR LESS | |
| LOWEST | -35 on 15th, 16th, 23rd | SNOWFALL, ICE PELLETS (IN.) | | CLOUDY (SCALE 8-10) | 19 | 3 = THUNDER | |
| NUMBER OF DAYS WITH: | | TOTAL FOR THE MONTH | 45.1 | WITH .01" OR MORE PRECIP | 19 | 4 = ICE PELLETS | |
| MAX. 32 OR BELOW | 28 | 24 HOUR MAX | 7.3 on 18th/19th | WITH .10" OR MORE PRECIP | 14 | 5 = HAIL | |
| MAX. 90 OR ABOVE | 0 | MAX DEPTH ON GROUND | 20 on 19th, 20th | WITH .50" OR MORE PRECIP | 0 | 6 = GLAZE OR RIME | |
| MIN. 32 OR BELOW | 28 | | | WITH 1.0" OR MORE PRECIP | 0 | 7 = BLOWING DUST OR SAND | |
| MIN. 0 OR BELOW | 25 | PRESSURE DATA (IN.) | | | | 8 = SMOKE OR HAZE | |
| HEATING DEGREE DAYS (BASE 65°F) | | HIGHEST SEA-LEVEL | 30.670 on 28th | | | 9 = BLOWING SNOW | |
| TOTAL THIS MONTH | 1956 | LOWEST SEA-LEVEL | 29.422 on 20th | | | X = TORNADO | |
| DEPARTURE FROM NORMAL | 308 | AVG STATION | 23.352 | | | | |
| SEASON TOTAL | 9525 | | | | | | |
| DEPARTURE FROM NORMAL | 179 | | | | | | |
| COOLING DEGREE DAYS (BASE 65F) | | | | | | | |
| TOTAL THIS MONTH | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |
| SEASON TOTAL | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |

| NOTES: | | | | |
|--|--|--|--|--|
| 10TH, 14TH, 15TH, 17TH, 22ND: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW. | | | | |
| 18TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEEDS DUE TO RIME ICE SLOWING RM YOUNG PROPELLER. | | | | |
| 21ST: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS. | | | | |
| 24TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF OBSERVER ESTIMATED SPEED DUE TO ICE IN LINES OF PITOT. | | | | |

| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR | | | | |
|--|------|------|------|-------|
| 0600 | 1200 | 1800 | 0000 | MONTH |
| 74 | 75 | 79 | 83 | 78 |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 297 HOURS OF PREVAILING WINDS FROM THE NW, 44% OF THE TOTAL HOURS OF THE MONTH.