

| WS FORM F-6 | | | | | | | | | | | STATION MOUNT WASHINGTON OBSERVATORY | | | | | | | |
|---|------|------|------|------|---|---------------------|-----------|---------------|------------|------------------------|---|--------------------|------|--------------------|--------------------------|--------------------|----------------|--|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA | | | | | | | | | | | MONTH AUGUST | | | | YEAR 2010 | | | |
| LATITUDE 44 DEGREES 16 MINUTES NORTH | | | | | LONGITUDE 71 DEGREES 18 MINUTES WEST | | | | | | GROUND ELEVATION 6280 FT | | | | STANDARD TIME EASTERN | | | |
| TEMPERATURE (°F) | | | | | | PRECIPITATION (IN.) | | | | | WIND (MPH) | | | SUNSHINE (MINUTES) | | SKY COVER (TENTHS) | WEATHER OCCUR. | |
| DAY | MAX | MIN | AVG | NORM | DEPART | DEGREE HEAT | DAYS COOL | TOTAL (EQUIV) | SNOW & ICE | SNOW/ICE ON GROUND-6AM | AVG SPEED | FASTEST MILE SPEED | DIR | TOTAL | % POSS | | | |
| 1 | 56 | 38 | 47 | 49 | -2 | 18 | 0 | 0.00 | 0.0 | 0 | 6.1 | 20 | SW | 475 | 53 | 6 | 12 | |
| 2 | 56 | 46 | 51 | 49 | 2 | 14 | 0 | 1.44 | T | 0 | 16.7 | 59 | W | 190 | 21 | 9 | 1235* | |
| 3 | 56 | 50 | 53 | 49 | 4 | 12 | 0 | 0.89 | T | 0 | 31.2 | 72 | NW | 0 | 0 | 10 | 1235* | |
| 4 | 60 | 51 | 56 | 49 | 7 | 9 | 0 | 0.85 | 0.0 | 0 | 38.7 | 69 | W | 10 | 1 | 10 | 123 | |
| 5 | 62 | 51 | 57 | 49 | 8 | 8 | 0 | 0.03 | 0.0 | 0 | 30.6 | 59 | W | 30 | 3 | 10 | 12 | |
| 6 | 52 | 31 | 42 | 49 | -7 | 23 | 0 | 0.02 | 0.0 | 0 | 46.5 | 72 | NW | 65 | 7 | 10 | 126 | |
| 7 | 42 | 30 | 36 | 49 | -13 | 29 | 0 | 0.00 | 0.0 | 0 | 28.6 | 45 | NW | 204 | 23 | 9 | 126 | |
| 8 | 53 | 38 | 46 | 49 | -3 | 19 | 0 | 0.01 | 0.0 | 0 | 29.2 | 49 | SW | 215 | 25 | 9 | 12 | |
| 9 | 55 | 48 | 52 | 49 | 3 | 13 | 0 | 0.43 | 0.0 | 0 | 35.3 | 56 | W | 0 | 0 | 10 | 12 | |
| 10 | 59 | 46 | 53 | 49 | 4 | 12 | 0 | T | 0.0 | 0 | 23.7 | 47 | NW | 555 | 64 | 5 | 12 | |
| 11 | 55 | 43 | 49 | 49 | 0 | 16 | 0 | 0.00 | 0.0 | 0 | 17.7 | 33 | NW | 618 | 71 | 5 | 12 | |
| 12 | 55 | 42 | 49 | 48 | 1 | 16 | 0 | 0.00 | 0.0 | 0 | 6.0 | 17 | W | 262 | 30 | 9 | 12 | |
| 13 | 52 | 44 | 48 | 48 | 0 | 17 | 0 | 0.00 | 0.0 | 0 | 5.3 | 16 | SE | 80 | 9 | 9 | 12 | |
| 14 | 57 | 46 | 52 | 48 | 4 | 13 | 0 | 0.00 | 0.0 | 0 | 7.5 | 22 | S | 480 | 56 | 9 | 12 | |
| 15 | 54 | 46 | 50 | 48 | 2 | 15 | 0 | 0.02 | 0.0 | 0 | 18.2 | 41 | S | 190 | 22 | 9 | 12 | |
| 16 | 57 | 47 | 52 | 48 | 4 | 13 | 0 | 0.20 | 0.0 | 0 | 37.8 | 72 | W | 70 | 8 | 10 | 12 | |
| 17 | 56 | 44 | 50 | 48 | 2 | 15 | 0 | 0.00 | 0.0 | 0 | 34.5 | 66 | W | 470 | 55 | 9 | 12 | |
| 18 | 54 | 44 | 49 | 47 | 2 | 16 | 0 | 0.00 | 0.0 | 0 | 32.8 | 55 | W | 145 | 17 | 10 | 12 | |
| 19 | 61 | 43 | 52 | 47 | 5 | 13 | 0 | 0.01 | 0.0 | 0 | 21.9 | 65 | W | 818 | 97 | 4 | 123 | |
| 20 | 47 | 34 | 41 | 47 | -6 | 24 | 0 | 0.00 | 0.0 | 0 | 31.7 | 60 | N | 565 | 67 | 6 | 12 | |
| 21 | 53 | 37 | 45 | 47 | -2 | 20 | 0 | T | 0.0 | 0 | 10.8 | 37 | NW | 367 | 44 | 9 | 12 | |
| 22 | 52 | 38 | 45 | 47 | -2 | 20 | 0 | 0.97 | 0.0 | 0 | 24.3 | 53 | SE | 0 | 0 | 10 | 12 | |
| 23 | 45 | 36 | 41 | 47 | -6 | 24 | 0 | 0.43 | 0.0 | 0 | 37.2 | 50 | SE | 0 | 0 | 10 | 12 | |
| 24 | 53 | 39 | 46 | 46 | 0 | 19 | 0 | T | 0.0 | 0 | 22.7 | 45 | E | 295 | 36 | 8 | 12 | |
| 25 | 51 | 40 | 46 | 46 | 0 | 19 | 0 | 1.02 | 0.0 | 0 | 27.5 | 51 | SE | 25 | 3 | 10 | 12 | |
| 26 | 50 | 39 | 45 | 46 | -1 | 20 | 0 | 0.10 | 0.0 | 0 | 42.1 | 69 | NW | 0 | 0 | 10 | 12 | |
| 27 | 45 | 36 | 41 | 46 | -5 | 24 | 0 | T | 0.0 | 0 | 32.6 | 69 | NW | 320 | 39 | 8 | 12 | |
| 28 | 52 | 39 | 46 | 46 | 0 | 19 | 0 | 0.00 | 0.0 | 0 | 33.4 | 61 | NW | 260 | 32 | 9 | 12 | |
| 29 | 59 | 49 | 54 | 45 | 9 | 11 | 0 | 0.00 | 0.0 | 0 | 47.0 | 76 | NW | 708 | 87 | 4 | 12 | |
| 30 | 58 | 49 | 54 | 45 | 9 | 11 | 0 | 0.00 | 0.0 | 0 | 41.0 | 63 | NW | 808 | 100 | 1 | 12 | |
| 31 | 62 | 54 | 58 | 45 | 13 | 7 | 0 | 0.00 | 0.0 | 0 | 38.5 | 61 | NW | 0 | 0 | 10 | 12 | |
| SUM | 1679 | 1318 | ---- | ---- | ---- | 509 | 0 | 6.42 | T | ---- | 857.1 | ---- | ---- | 8225 | ---- | 257 | ---- | |
| AVG | 54.2 | 42.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 27.6 | FASTEST | DIR | POSS | % | SKY | ---- | |
| | | | | | | | | | | | | 76 | NW | 26399 | 31% | 8.3 | ---- | |

| TEMPERATURE DATA (°F) | | PRECIPITATION DATA (IN.) | | WEATHER | | SYMBOLS USED IN COLUMN 16 | |
|---------------------------------|-----------------|-----------------------------|-----------------|---------------------------|----|--|--|
| AVERAGE MONTHLY | 48.4 | TOTAL FOR THE MONTH | 6.42 | NUMBER OF DAYS: | | 1 = FOG | |
| DEPARTURE FROM NORMAL | 0.8 | DEPARTURE FROM NORMAL | -1.66 | CLEAR (SCALE 0-3) | 1 | 2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS | |
| HIGHEST | 62 on 5th, 31st | 24 HOUR MAX | 1.75 on 2nd/3rd | PARTLY CLOUDY (SCALE 4-7) | 6 | 3 = THUNDER | |
| LOWEST | 30 on 7th | SNOWFALL, ICE PELLETS (IN.) | | CLOUDY (SCALE 8-10) | 24 | 4 = ICE PELLETS | |
| NUMBER OF DAYS WITH: | | TOTAL FOR THE MONTH | T | WITH .01" OR MORE PRECIP | 14 | 5 = HAIL | |
| MAX. 32 OR BELOW | 0 | 24 HOUR MAX | T on 2nd & 3rd | WITH .10" OR MORE PRECIP | 9 | 6 = GLAZE OR RIME | |
| MAX. 90 OR ABOVE | 0 | MAX DEPTH ON GROUND | T on 2nd & 3rd | WITH .50" OR MORE PRECIP | 5 | 7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS | |
| MIN. 32 OR BELOW | 2 | | | WITH 1.0" OR MORE PRECIP | 2 | 8 = SMOKE OR HAZE | |
| MIN. 0 OR BELOW | 0 | PRESSURE DATA (IN.) | | | | 9 = BLOWING SNOW | |
| HEATING DEGREE DAYS (BASE 65°F) | | HIGHEST SEA-LEVEL | 30.382 on 30th | | | X = TORNADO | |
| TOTAL THIS MONTH | 509 | LOWEST SEA-LEVEL | 29.683 on 6th | | | | |
| DEPARTURE FROM NORMAL | -32 | AVG STATION | 23.926 | | | | |
| SEASON TOTAL | 913 | | | | | | |
| DEPARTURE FROM NORMAL | -133 | | | | | | |
| COOLING DEGREE DAYS (BASE 65°F) | | | | | | | |
| TOTAL THIS MONTH | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |
| SEASON TOTAL | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |

| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR | | | | |
|--|------|------|------|-------|
| 0600 | 1200 | 1800 | 0000 | MONTH |
| 92 | 90 | 94 | 95 | 93 |

NOTES: **5" FELL AS SMALL HAIL.
2ND, 3RD: FELL AS SMALL HAIL AND ESTIMATED DUE TO MELTING BEFORE COLLECTION.
5TH, 6TH: DAILY PRECIP TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM WET FOG.
23RD: DAILY PRECIP TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN.

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE **288** HOURS OF PREVAILING WINDS FROM THE **W**, **39%** OF THE TOTAL HOURS OF THE MONTH.