

| WS FORM F-6 | | | | | | | | | | | STATION | | | | | | |
|---------------------------------------|------|------|------|------|----------------------------|---------------------|------|---------------|------------|------------------------|------------------------------|--------------------|------|--------------------|--------|--------------------|----------------|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA | | | | | | | | | | | MOUNT WASHINGTON OBSERVATORY | | | | | | |
| | | | | | | | | | | | MONTH | | | YEAR | | | |
| | | | | | | | | | | | APRIL | | | 2009 | | | |
| LATITUDE | | | | | LONGITUDE | | | | | | GROUND ELEVATION (H) | | | STANDARD TIME | | | |
| 44 DEGREES 16 MINUTES NORTH | | | | | 71 DEGREES 18 MINUTES WEST | | | | | | 6280 FT | | | EASTERN | | | |
| TEMPERATURE (°F) | | | | | | PRECIPITATION (IN.) | | | | | WIND (MPH) | | | SUNSHINE (MINUTES) | | SKY COVER (TENTHS) | WEATHER OCCUR. |
| DAY | MAX | MIN | AVG | NORM | DEPART | HEAT | COOL | TOTAL (EQUIV) | SNOW & ICE | SNOW/ICE ON GROUND-6AM | AVG SPEED | FASTEST MILE SPEED | DIR | TOTAL | % POSS | COVER | WEATHER |
| 1 | 38 | 25 | 32 | 18 | 14 | 33 | 0 | 0.09 | 0.1 | 11 | 29.2 | 73 | SW | 334 | 43 | 9 | 1246 |
| 2 | 36 | 24 | 30 | 18 | 12 | 35 | 0 | 0.00 | 0.0 | 11 | 26.7 | 61 | SW | 696 | 89 | 6 | 126 |
| 3 | 41 | 32 | 37 | 19 | 18 | 28 | 0 | 0.65 | 0.0 | 10 | 45.3 | 89 | SE | 0 | 0 | 10 | 126 |
| 4 | 37 | 16 | 27 | 19 | 8 | 38 | 0 | 0.04 | 0.6 | 7 | 23.4 | 48 | W | 45 | 6 | 10 | 1269 |
| 5 | 28 | 15 | 22 | 19 | 3 | 43 | 0 | 0.00 | 0.0 | 6 | 35.8 | 57 | W | 150 | 19 | 9 | 1269 |
| 6 | 34 | 20 | 27 | 19 | 8 | 38 | 0 | 0.71 | 1.2 | 6 | 31.6 | 75 | SE | 50 | 6 | 10 | 1246 |
| 7 | 32 | 9 | 21 | 20 | 1 | 44 | 0 | 0.03 | 0.3 | 7 | 16.1 | 34 | SW | 0 | 0 | 10 | 126 |
| 8 | 16 | 8 | 12 | 20 | -8 | 53 | 0 | 0.03 | 0.4 | 7 | 31.4 | 71 | W | 15 | 2 | 10 | 1269 |
| 9 | 21 | 10 | 16 | 20 | -4 | 49 | 0 | T | T | 7 | 43.4 | 73 | W | 300 | 37 | 9 | 1269 |
| 10 | 25 | 13 | 19 | 21 | -2 | 46 | 0 | 0.00 | 0.0 | 7 | 34.7 | 69 | W | 230 | 29 | 9 | 126 |
| 11 | 26 | 6 | 16 | 21 | -5 | 49 | 0 | T | T | 7 | 12.0 | 34 | NW | 295 | 37 | 10 | 126 |
| 12 | 8 | -1 | 4 | 21 | -17 | 61 | 0 | 0.26 | 3.3 | 7 | 39.6 | 86 | NW | 0 | 0 | 10 | 1269 |
| 13 | 15 | 4 | 10 | 22 | -12 | 55 | 0 | 0.04 | 0.6 | 9 | 63.1 | 99 | NW | 513 | 63 | 5 | 1269 |
| 14 | 26 | 11 | 19 | 22 | -3 | 46 | 0 | 0.00 | 0.0 | 8 | 22.0 | 53 | NW | 817 | 100 | 4 | |
| 15 | 30 | 19 | 25 | 22 | 3 | 40 | 0 | 0.00 | 0.0 | 8 | 11.1 | 26 | N | 819 | 100 | 1 | |
| 16 | 28 | 19 | 24 | 23 | 1 | 41 | 0 | 0.00 | 0.0 | 7 | 22.6 | 58 | NW | 821 | 100 | 3 | |
| 17 | 33 | 20 | 27 | 23 | 4 | 38 | 0 | 0.00 | 0.0 | 7 | 57.6 | 100 | W | 668 | 81 | 6 | |
| 18 | 26 | 18 | 22 | 24 | -2 | 43 | 0 | 0.02 | 0.2 | 6 | 36.5 | 104 | NW | 0 | 0 | 10 | 126 |
| 19 | 26 | 15 | 21 | 24 | -3 | 44 | 0 | 0.00 | 0.0 | 6 | 15.5 | 38 | NW | 831 | 100 | 3 | |
| 20 | 25 | 15 | 20 | 24 | -4 | 45 | 0 | T | T | 6 | 31.5 | 71 | SE | 607 | 73 | 9 | 126 |
| 21 | 39 | 16 | 28 | 25 | 3 | 37 | 0 | 0.58 | 1.0 | 7 | 43.5 | 86 | SE | 0 | 0 | 10 | 12469 |
| 22 | 36 | 20 | 28 | 25 | 3 | 37 | 0 | 0.81 | 7.3 | 4 | 22.6 | 57 | NW | 90 | 11 | 10 | 1269 |
| 23 | 23 | 18 | 21 | 26 | -5 | 44 | 0 | 1.25 | 6.5 | 11 | 75.1 | 118 | W | 0 | 0 | 10 | 1269 |
| 24 | 44 | 16 | 30 | 26 | 4 | 35 | 0 | 0.00 | 0.0 | 12 | 44.4 | 99 | W | 800 | 95 | 4 | 1269 |
| 25 | 56 | 39 | 48 | 27 | 21 | 17 | 0 | T | T | 10 | 39.0 | 84 | W | 505 | 59 | 6 | 124 |
| 26 | 46 | 34 | 40 | 27 | 13 | 25 | 0 | 0.32 | 0.0 | 5 | 44.5 | 91 | W | 0 | 0 | 10 | 12 |
| 27 | 56 | 33 | 45 | 27 | 18 | 20 | 0 | 0.02 | 0.0 | 3 | 37.0 | 65 | SW | 570 | 67 | 5 | 12 |
| 28 | 57 | 18 | 38 | 28 | 10 | 27 | 0 | 0.11 | 0.0 | 2 | 54.9 | 85 | W | 460 | 54 | 9 | 126 |
| 29 | 30 | 17 | 24 | 28 | -4 | 41 | 0 | 0.00 | 0.0 | 1 | 41.8 | 76 | NW | 693 | 81 | 6 | 126 |
| 30 | 43 | 25 | 34 | 29 | 5 | 31 | 0 | T | 0.0 | 1 | 24.4 | 68 | SW | 768 | 89 | 8 | 12 |
| SUM | 981 | 534 | ---- | ---- | ---- | 1183 | 0 | 4.96 | 21.5 | ---- | 1056.3 | ---- | ---- | 11077 | ---- | 231 | ---- |
| AVG | 32.7 | 17.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 35.2 | FASTEST | DIR | POSS | % | 7.7 | ---- |
| | | | | | | | | | | | MISC. -> | 118 | W | 24607 | 45% | | ---- |

| TEMPERATURE DATA (°F) | | PRECIPITATION DATA (IN.) | | WEATHER | | SYMBOLS USED IN COLUMN 16 | |
|---------------------------------|------------|-----------------------------|--------------------|---------------------------|----|-------------------------------|--|
| AVERAGE MONTHLY | 25.3 | TOTAL FOR THE MONTH | 4.96 | NUMBER OF DAYS: | | 1 = FOG | |
| DEPARTURE FROM NORMAL | 2.4 | DEPARTURE FROM NORMAL | -3.47 | | | 2 = FOG REDUCING VISIBILITY | |
| HIGHEST | 57 on 28th | 24 HOUR MAX | 1.82 on 22nd, 23rd | CLEAR (SCALE 0-3) | 3 | TO 1/4 MILE OR LESS | |
| LOWEST | -1 on 12th | | | PARTLY CLOUDY (SCALE 4-7) | 8 | | |
| NUMBER OF DAYS WITH: | | SNOWFALL, ICE PELLETS (IN.) | | CLOUDY (SCALE 8-10) | 19 | | |
| | | | | WITH .01" OR MORE PRECIP | 15 | 6 = GLAZE OR RIME | |
| MAX. 32 OR BELOW | 16 | TOTAL FOR THE MONTH | 21.5 | WITH .10" OR MORE PRECIP | 8 | 7 = BLOWING DUST OR SAND | |
| MAX. 90 OR ABOVE | 0 | 24 HOUR MAX | 12.4 on 22nd, 23rd | WITH .50" OR MORE PRECIP | 5 | RED. VIS. TO 1/2 MILE OR LESS | |
| MIN. 32 OR BELOW | 27 | MAX DEPTH ON GROUND | 13 on 23rd | WITH 1.0" OR MORE PRECIP | 1 | 8 = SMOKE OR HAZE | |
| MIN. 0 OR BELOW | 1 | | | | | 9 = BLOWING SNOW | |
| | | PRESSURE DATA (IN.) | | | | X = TORNADO | |
| HEATING DEGREE DAYS (BASE 65°F) | | HIGHEST SEA-LEVEL | 30.607 on 29th | | | | |
| | | LOWEST SEA-LEVEL | 29.142 on 7th | | | | |
| TOTAL THIS MONTH | 1183 | AVG STATION | 23.649 | | | | |
| DEPARTURE FROM NORMAL | -80 | | | | | | |
| SEASON TOTAL | 12060 | | | | | | |
| DEPARTURE FROM NORMAL | -185 | | | | | | |
| 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 |
| 78 | 76 | 82 | 83 | 80 |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 265 HOURS OF PREVAILING WINDS FROM THE W, 37% OF THE TOTAL HOURS OF THE MONTH.

