

| WS FORM F-6 | | | | | | | | | | | STATION | | | | | | | |
|---------------------------------------|------|------|------|------|--------|----------------------------|------|---------------|---------------------|------------------------|------------------------------|--------------|----------|-------|--------------------|-----|--------------------|----------------|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA | | | | | | | | | | | MOUNT WASHINGTON OBSERVATORY | | | | | | | |
| | | | | | | | | | | | MONTH | | | | YEAR | | | |
| | | | | | | | | | | | JULY | | | | 2019 | | | |
| LATITUDE | | | | | | LONGITUDE | | | | | GROUND ELEVATION (H) | | | | STANDARD TIME | | | |
| 44 DEGREES 16 MINUTES NORTH | | | | | | 71 DEGREES 18 MINUTES WEST | | | | | 6280 FT | | | | EASTERN | | | |
| TEMPERATURE (°F) | | | | | | DEGREE DAYS | | | 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-7AM | AVG SPEED | FASTEST MILE | | TOTAL | % POSS | | | |
| | | | | | | | | | | | | SPEED | DIR | | | | | |
| 1 | 50 | 42 | 46 | 48 | -2 | 19 | 0 | 0.00 | 0.0 | 0 | 30.1 | 57 | 360 (N) | 235 | 25 | 9 | 12 | |
| 2 | 55 | 46 | 51 | 48 | 3 | 14 | 0 | 0.01 | 0.0 | 0 | 32.7 | 62 | 300 (NW) | 180 | 19 | 9 | 12 | |
| 3 | 59 | 47 | 53 | 48 | 5 | 12 | 0 | 0.00 | 0.0 | 0 | 25.6 | 41 | 320 (NW) | 918 | 98 | 4 | 1 | |
| 4 | 63 | 51 | 57 | 49 | 8 | 8 | 0 | 0.00 | 0.0 | 0 | 10.5 | 27 | 340 (N) | 868 | 93 | 8 | | |
| 5 | 65 | 53 | 59 | 49 | 10 | 6 | 0 | 0.00 | 0.0 | 0 | 19.0 | 44 | 270 (W) | 604 | 64 | 8 | 12 | |
| 6 | 60 | 44 | 52 | 49 | 3 | 13 | 0 | 1.09 | 0.0 | 0 | 38.4 | 69 | 310 (NW) | 6 | 1 | 10 | 123 | |
| 7 | 51 | 44 | 48 | 49 | -1 | 17 | 0 | 0.00 | 0.0 | 0 | 24.7 | 50 | 330 (NW) | 935 | 100 | 1 | | |
| 8 | 58 | 44 | 51 | 49 | 2 | 14 | 0 | 0.00 | 0.0 | 0 | 17.6 | 47 | 310 (NW) | 917 | 98 | 4 | | |
| 9 | 55 | 44 | 50 | 49 | 1 | 15 | 0 | 0.00 | 0.0 | 0 | 36.3 | 58 | 300 (NW) | 741 | 80 | 8 | | |
| 10 | 60 | 48 | 54 | 49 | 5 | 11 | 0 | 0.00 | 0.0 | 0 | 18.6 | 54 | 310 (NW) | 295 | 32 | 9 | 8 | |
| 11 | 55 | 50 | 53 | 49 | 4 | 12 | 0 | 1.69 | 0.0 | 0 | 18.3 | 39 | 200 (S) | 230 | 25 | 9 | 12 | |
| 12 | 56 | 47 | 52 | 49 | 3 | 13 | 0 | 0.69 | 0.0 | 0 | 26.2 | 51 | 300 (NW) | 55 | 6 | 10 | 12 | |
| 13 | 60 | 45 | 53 | 49 | 4 | 12 | 0 | 0.40 | 0.0 | 0 | 26.4 | 63 | 290 (W) | 725 | 78 | 5 | 12 | |
| 14 | 51 | 42 | 47 | 49 | -2 | 18 | 0 | 0.14 | 0.0 | 0 | 46.1 | 82 | 300 (NW) | 0 | 0 | 10 | 12 | |
| 15 | 52 | 41 | 47 | 49 | -2 | 18 | 0 | 0.00 | 0.0 | 0 | 33.0 | 73 | 320 (NW) | 235 | 25 | 9 | 12 | |
| 16 | 60 | 48 | 54 | 49 | 5 | 11 | 0 | 0.02 | 0.0 | 0 | 24.0 | 68 | 280 (W) | 545 | 59 | 8 | 12 | |
| 17 | 57 | 51 | 54 | 49 | 5 | 11 | 0 | 0.62 | 0.0 | 0 | 37.6 | 62 | 290 (W) | 0 | 0 | 10 | 12 | |
| 18 | 58 | 49 | 54 | 49 | 5 | 11 | 0 | 0.00 | 0.0 | 0 | 11.5 | 23 | 330 (NW) | 414 | 45 | 8 | 12 | |
| 19 | 62 | 52 | 57 | 49 | 8 | 8 | 0 | 0.02 | 0.0 | 0 | 37.3 | 68 | 280 (W) | 0 | 0 | 10 | 12 | |
| 20 | 67 | 56 | 62 | 49 | 13 | 3 | 0 | 0.09 | 0.0 | 0 | 38.2 | 72 | 300 (NW) | 470 | 51 | 8 | 12 | |
| 21 | 63 | 50 | 57 | 49 | 8 | 8 | 0 | 0.33 | 0.0 | 0 | 46.2 | 76 | 280 (W) | 0 | 0 | 10 | 12 | |
| 22 | 52 | 44 | 48 | 49 | -1 | 17 | 0 | 0.26 | 0.0 | 0 | 18.8 | 45 | 310 (NW) | 50 | 5 | 10 | 12 | |
| 23 | 48 | 43 | 46 | 49 | -3 | 19 | 0 | 0.35 | 0.0 | 0 | 14.8 | 35 | 290 (W) | 55 | 6 | 10 | 12 | |
| 24 | 55 | 42 | 49 | 49 | 0 | 16 | 0 | 0.00 | 0.0 | 0 | 20.5 | 42 | 310 (NW) | 620 | 68 | 8 | 12 | |
| 25 | 54 | 41 | 48 | 49 | -1 | 17 | 0 | 0.00 | 0.0 | 0 | 16.0 | 37 | 310 (NW) | 675 | 75 | 5 | 12 | |
| 26 | 60 | 47 | 54 | 49 | 5 | 11 | 0 | 0.00 | 0.0 | 0 | 10.2 | 25 | 290 (W) | 590 | 65 | 6 | 12 | |
| 27 | 62 | 49 | 56 | 49 | 7 | 9 | 0 | 0.13 | T | 0 | 9.9 | 39 | 270 (W) | 415 | 46 | 8 | 1235* | |
| 28 | 60 | 50 | 55 | 49 | 6 | 10 | 0 | 0.81 | 0.0 | 0 | 28.8 | 56 | 290 (W) | 165 | 18 | 10 | 123 | |
| 29 | 59 | 52 | 56 | 49 | 7 | 9 | 0 | 0.00 | 0.0 | 0 | 26.8 | 50 | 290 (W) | 370 | 41 | 9 | 12 | |
| 30 | 65 | 52 | 59 | 49 | 10 | 6 | 0 | 0.76 | T | 0 | 23.6 | 66 | 280 (W) | 450 | 50 | 8 | 1235* | |
| 31 | 58 | 47 | 53 | 49 | 4 | 12 | 0 | 0.31 | 0.0 | 0 | 26.5 | 46 | 280 (W) | 155 | 17 | 10 | 123 | |
| SUM | 1790 | 1461 | ---- | ---- | ---- | 380 | 0 | 7.72 | T | ---- | 794.2 | ---- | ---- | 11918 | ---- | 251 | ---- | |
| AVG | 57.7 | 47.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 25.6 | FASTEST | DIR | POSS | | | | |
| | | | | | | | | | | | | 82 | 300 (NW) | 28530 | 42% | 8.1 | ---- | |
| | | | | | | | | | | | MISC. -> | | | | | | ---- | |

| TEMPERATURE DATA (°F) | | PRECIPITATION DATA (IN.) | | WEATHER | | SYMBOLS USED IN COLUMN 16 | |
|---------------------------------|------------------|-----------------------------|-------------------|---------------------------|----|-------------------------------|--|
| AVERAGE MONTHLY | 52.4 | TOTAL FOR THE MONTH | 7.72 | NUMBER OF DAYS: | | 1 = FOG | |
| DEPARTURE FROM NORMAL | 3.3 | DEPARTURE FROM NORMAL | -1.05 | | | 2 = FOG REDUCING VISIBILITY | |
| HIGHEST | 67 on 20th | 24 HOUR MAX | 2.37 on 11th/12th | CLEAR (SCALE 0-3) | 1 | TO 1/4 MILE OR LESS | |
| LOWEST | 41 on 15th, 25th | | | PARTLY CLOUDY (SCALE 4-7) | 5 | 3 = THUNDER | |
| | | SNOWFALL, ICE PELLETS (IN.) | | CLOUDY (SCALE 8-10) | 25 | 4 = ICE PELLETS | |
| NUMBER OF DAYS WITH: | | | | | | 5 = HAIL | |
| MAX. 32 OR BELOW | 0 | TOTAL FOR THE MONTH | T | WITH .01" OR MORE PRECIP | 17 | 6 = GLAZE OR RIME | |
| MAX. 90 OR ABOVE | 0 | 24 HOUR MAX | T on 27th & 30th | WITH .10" OR MORE PRECIP | 13 | 7 = BLOWING DUST OR SAND | |
| MIN. 32 OR BELOW | 0 | MAX DEPTH ON GROUND | 0 on N/A | WITH .50" OR MORE PRECIP | 6 | RED. VIS. TO 1/2 MILE OR LESS | |
| MIN. 0 OR BELOW | 0 | | | WITH 1.0" OR MORE PRECIP | 2 | 8 = SMOKE OR HAZE | |
| | | PRESSURE DATA (IN.) | | | | 9 = BLOWING SNOW | |
| HEATING DEGREE DAYS (BASE 65°F) | | HIGHEST SEA-LEVEL | 30.519 on 27th | | | X = TORNADO | |
| | | LOWEST SEA-LEVEL | 29.889 on 21st | | | | |
| TOTAL THIS MONTH | 380 | AVG STATION | 23.938 | | | | |
| DEPARTURE FROM NORMAL | -115 | | | | | | |
| SEASON TOTAL | 380 | | | | | | |
| DEPARTURE FROM NORMAL | -115 | | | | | | |
| COOLING DEGREE DAYS (BASE 65°F) | | | | | | | |
| TOTAL THIS MONTH | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |
| SEASON TOTAL | 0 | | | | | | |
| DEPARTURE FROM NORMAL | 0 | | | | | | |

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| NOTES: | |
| | 27TH, 30TH: SNOWFALL FELL AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO COLLECTION |
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|--|------|------|------|------|-------|
| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR | | | | | |
| | 0600 | 1200 | 1800 | 0000 | MONTH |
| | 86 | 79 | 91 | 90 | 87 |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 308 HOURS OF PREVAILING WINDS FROM THE NW, 41% OF THE TOTAL HOURS OF THE MONTH.