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|---|------|-----|------|------|---|---------------------|------|---------------|------------|------------------------|---|--------------------|----------|--------------------------|--------|--------------------|----------------|
| WS FORM F-6 | | | | | | | | | | | STATION MOUNT WASHINGTON OBSERVATORY | | | | | | |
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA | | | | | | | | | | | MONTH MARCH | | | YEAR 2018 | | | |
| 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. |
| DAY | MAX | MIN | AVG | NORM | DEPART | HEAT | COOL | TOTAL (EQUIV) | SNOW & ICE | SNOW/ICE ON GROUND-7AM | AVG SPEED | FASTEST MILE SPEED | DIR | TOTAL | % POSS | | |
| 1 | 28 | 17 | 23 | 9 | 14 | 42 | 0 | 0.07 | 0.6 | 3 | 22.3 | 55 | 290 (W) | 310 | 45 | 8 | 126 |
| 2 | 27 | 16 | 22 | 9 | 13 | 43 | 0 | 0.78 | 6.1 | 3 | 55.0 | 98 | 070 (E) | 0 | 0 | 10 | 1269 |
| 3 | 22 | 10 | 16 | 9 | 7 | 49 | 0 | 0.00 | 0.0 | 5 | 43.7 | 77 | 050 (NE) | 225 | 33 | 9 | 126 |
| 4 | 17 | 8 | 13 | 9 | 4 | 52 | 0 | 0.09 | 1.4 | 5 | 19.6 | 37 | 010 (N) | 238 | 34 | 8 | 126 |
| 5 | 21 | 8 | 15 | 10 | 5 | 50 | 0 | 0.01 | 0.6 | 6 | 25.5 | 46 | 050 (NE) | 404 | 58 | 8 | 126 |
| 6 | 22 | 12 | 17 | 10 | 7 | 48 | 0 | 0.00 | 0.0 | 5 | 15.7 | 30 | 060 (NE) | 675 | 97 | 1 | 1 |
| 7 | 17 | 5 | 11 | 10 | 1 | 54 | 0 | 0.36 | 3.8 | 5 | 33.8 | 75 | 060 (NE) | 25 | 4 | 10 | 1269 |
| 8 | 16 | 5 | 11 | 10 | 1 | 54 | 0 | 0.63 | 8.1 | 8 | 32.8 | 66 | 070 (E) | 0 | 0 | 10 | 1269 |
| 9 | 17 | 4 | 11 | 11 | 0 | 54 | 0 | 0.17 | 2.4 | 11 | 21.8 | 74 | 290 (W) | 55 | 8 | 10 | 1269 |
| 10 | 9 | 5 | 7 | 11 | -4 | 58 | 0 | 0.76 | 9.1 | 10 | 59.9 | 93 | 300 (NW) | 0 | 0 | 10 | 1269 |
| 11 | 12 | 6 | 9 | 11 | -2 | 56 | 0 | 0.17 | 3.5 | 10 | 37.2 | 82 | 290 (W) | 0 | 0 | 10 | 1269 |
| 12 | 14 | 7 | 11 | 11 | 0 | 54 | 0 | 0.02 | 0.5 | 11 | 18.2 | 56 | 080 (E) | 323 | 45 | 8 | 126 |
| 13 | 10 | 5 | 8 | 12 | -4 | 57 | 0 | 0.87 | 9.4 | 11 | 43.5 | 66 | 060 (NE) | 0 | 0 | 10 | 1269 |
| 14 | 16 | 7 | 12 | 12 | 0 | 53 | 0 | 0.90 | 10.6 | 16 | 28.2 | 61 | 290 (W) | 0 | 0 | 10 | 1269 |
| 15 | 11 | 4 | 8 | 12 | -4 | 57 | 0 | 0.75 | 7.3 | 21 | 65.0 | 98 | 280 (W) | 0 | 0 | 10 | 1269 |
| 16 | 5 | -7 | -1 | 13 | -14 | 66 | 0 | 0.18 | 1.8 | 23 | 66.0 | 111 | 290 (W) | 0 | 0 | 10 | 1269 |
| 17 | -1 | -14 | -7 | 13 | -20 | 72 | 0 | 0.03 | 0.5 | 20 | 63.2 | 122 | 290 (W) | 224 | 31 | 8 | 1269 |
| 18 | -3 | -15 | -9 | 13 | -22 | 74 | 0 | 0.00 | 0.0 | 18 | 54.2 | 90 | 300 (NW) | 734 | 100 | 1 | 1 |
| 19 | 0 | -15 | -7 | 14 | -21 | 72 | 0 | 0.00 | 0.0 | 18 | 63.9 | 94 | 320 (NW) | 432 | 59 | 5 | 126 |
| 20 | 17 | -2 | 8 | 14 | -6 | 57 | 0 | 0.00 | 0.0 | 17 | 32.1 | 69 | 310 (NW) | 740 | 100 | 1 | 126 |
| 21 | 19 | 11 | 15 | 14 | 1 | 50 | 0 | 0.00 | 0.0 | 17 | 27.4 | 52 | 050 (NE) | 60 | 8 | 10 | 126 |
| 22 | 22 | 10 | 16 | 15 | 1 | 49 | 0 | 0.00 | 0.0 | 17 | 38.8 | 64 | 050 (NE) | 53 | 7 | 10 | 126 |
| 23 | 17 | 8 | 13 | 15 | -2 | 52 | 0 | T | 0.1 | 17 | 23.0 | 61 | 330 (NW) | 485 | 65 | 9 | 126 |
| 24 | 14 | 8 | 11 | 15 | -4 | 54 | 0 | 0.02 | 1.1 | 16 | 17.0 | 40 | 050 (NE) | 50 | 7 | 10 | 126 |
| 25 | 10 | 3 | 7 | 16 | -9 | 58 | 0 | 0.04 | 0.5 | 17 | 29.1 | 44 | 050 (NE) | 184 | 24 | 9 | 126 |
| 26 | 24 | 5 | 15 | 16 | -1 | 50 | 0 | 0.00 | 0.0 | 17 | 12.9 | 35 | 070 (E) | 758 | 100 | 0 | |
| 27 | 27 | 19 | 23 | 16 | 7 | 42 | 0 | 0.00 | 0.0 | 17 | 23.9 | 47 | 170 (S) | 600 | 79 | 8 | |
| 28 | 33 | 19 | 26 | 17 | 9 | 39 | 0 | 0.14 | 1.2 | 16 | 26.5 | 53 | 240 (SW) | 370 | 48 | 9 | 1246 |
| 29 | 38 | 27 | 33 | 17 | 16 | 32 | 0 | 0.14 | 0.0 | 16 | 35.1 | 73 | 210 (SW) | 395 | 51 | 9 | 12 |
| 30 | 41 | 8 | 25 | 18 | 7 | 40 | 0 | 0.61 | 0.0 | 7 | 45.6 | 95 | 230 (SW) | 60 | 8 | 10 | 126 |
| 31 | 22 | 2 | 12 | 18 | -6 | 53 | 0 | 0.00 | 0.0 | 7 | 45.2 | 85 | 300 (NW) | 680 | 88 | 4 | 126 |
| SUM | 544 | 186 | ---- | ---- | ---- | 1641 | 0 | 6.74 | 68.6 | ---- | 1126.1 | ---- | ---- | 8080 | ---- | 245 | ---- |
| AVG | 17.5 | 6.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 36.3 | FASTEST | DIR | POSS | 36% | 7.9 | ---- |
| | | | | | | | | | | | MISC. -> | 122 | 290 (W) | 22568 | | | ---- |

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|---------------------------------|------------------|---------------------------------|-------------------|---------------------------|----|---|--|
| <u>TEMPERATURE DATA (°F)</u> | | <u>PRECIPITATION DATA (IN.)</u> | | <u>WEATHER</u> | | <u>SYMBOLS USED IN COLUMN 16</u> | |
| AVERAGE MONTHLY | 11.8 | TOTAL FOR THE MONTH | 6.74 | NUMBER OF DAYS: | | 1 = FOG | |
| DEPARTURE FROM NORMAL | -1.0 | DEPARTURE FROM NORMAL | -0.93 | CLEAR (SCALE 0-3) | 4 | 2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS | |
| HIGHEST | 41 on 30th | 24 HOUR MAX | 1.12 on 14th/15th | PARTLY CLOUDY (SCALE 4-7) | 2 | 3 = THUNDER | |
| LOWEST | -15 on 18th,19th | SNOWFALL, ICE PELLETS (IN.) | | CLOUDY (SCALE 8-10) | 25 | 4 = ICE PELLETS | |
| NUMBER OF DAYS WITH: | | TOTAL FOR THE MONTH | 68.6 | WITH .01" OR MORE PRECIP | 20 | 5 = HAIL | |
| MAX. 32 OR BELOW | 28 | 24 HOUR MAX | 11.9 on 13th/14th | WITH .10" OR MORE PRECIP | 13 | 6 = GLAZE OR RIME | |
| MAX. 90 OR ABOVE | 0 | MAX DEPTH ON GROUND | 23 on 16th | WITH .50" OR MORE PRECIP | 7 | 7 = BLOWING DUST OR SAND | |
| MIN. 32 OR BELOW | 31 | | | WITH 1.0" OR MORE PRECIP | 0 | 8 = SMOKE OR HAZE | |
| MIN. 0 OR BELOW | 5 | <u>PRESSURE DATA (IN.)</u> | | | | 9 = BLOWING SNOW | |
| HEATING DEGREE DAYS (BASE 65°F) | | HIGHEST SEA-LEVEL | 30.848 on 26th | | | X = TORNADO | |
| TOTAL THIS MONTH | 1641 | LOWEST SEA-LEVEL | 29.233 on 15th | | | | |
| DEPARTURE FROM NORMAL | 24 | AVG STATION | 23.468 | | | | |
| SEASON TOTAL | 10468 | | | | | | |
| DEPARTURE FROM NORMAL | -495 | | | | | | |
| 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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| <u>NOTES:</u> | | | | | |
| 6TH, 15TH, 17TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE BLOWING SNOW IN CAN | | | | | |
| 13TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN FROM HIGH WINDS | | | | | |
| 16TH: PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO EXCESSIVE BLOWING SNOW IN CAN | | | | | |
| 24TH: AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR PERIOD DUE TO PITOT BEING VANED INCORRECTLY IN LOW WINDS | | | | | |

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|---|------|------|------|-------|--|
| <u>AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR</u> | | | | | |
| 0600 | 1200 | 1800 | 0000 | MONTH | |
| 79 | 87 | 82 | 78 | 81 | |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 179 HOURS OF PREVAILING WINDS FROM THE W, 24% OF THE TOTAL HOURS OF THE MONTH.