

| WS FORM F-6                             |      |      |     |      |   |                     |      |               |            | STATION<br>MOUNT WASHINGTON OBSERVATORY |            |                    |          |                    |                          |                    |                |  |  |
|---|------|------|-----|------|---|---------------------|------|---------------|------------|---|------------|--------------------|----------|--------------------|--------------------------|--------------------|----------------|--|--|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA   |      |      |     |      |   |                     |      |               |            | MONTH<br>OCTOBER                        |            |                    |          |                    | YEAR<br>2020             |                    |                |  |  |
| LATITUDE<br>44 DEGREES 16 MINUTES NORTH |      |      |     |      | LONGITUDE<br>71 DEGREES 18 MINUTES WEST |                     |      |               |            | GROUND ELEVATION (H)<br>6280 FT         |            |                    |          |                    | STANDARD TIME<br>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                   | (TENTHS)           |                |  |  |
| 1                                       | 42   | 34   | 38  | 36   | 2                                       | 27                  | 0    | 0.00          | 0.0        | 0                                       | 36.5       | 75                 | 250 (W)  | 505                | 70                       | 9                  | 12             |  |  |
| 2                                       | 36   | 29   | 33  | 35   | -2                                      | 32                  | 0    | 0.46          | 0.6        | 0                                       | 28.8       | 63                 | 270 (W)  | 0                  | 0                        | 10                 | 1246           |  |  |
| 3                                       | 32   | 28   | 30  | 35   | -5                                      | 35                  | 0    | 0.09          | 0.3        | 1                                       | 16.8       | 47                 | 290 (W)  | 0                  | 0                        | 10                 | 126            |  |  |
| 4                                       | 34   | 27   | 31  | 34   | -3                                      | 34                  | 0    | 0.01          | 0.3        | 1                                       | 11.9       | 28                 | 220 (SW) | 340                | 48                       | 9                  | 126            |  |  |
| 5                                       | 38   | 29   | 34  | 34   | 0                                       | 31                  | 0    | T             | 0.0        | 0                                       | 19.3       | 46                 | 250 (W)  | 155                | 22                       | 10                 | 12             |  |  |
| 6                                       | 38   | 34   | 36  | 34   | 2                                       | 29                  | 0    | T             | 0.0        | 0                                       | 34.2       | 58                 | 240 (SW) | 0                  | 0                        | 10                 | 12             |  |  |
| 7                                       | 40   | 30   | 35  | 33   | 2                                       | 30                  | 0    | 0.35          | T          | 0                                       | 53.4       | 116                | 280 (W)  | 0                  | 0                        | 10                 | 1246           |  |  |
| 8                                       | 31   | 14   | 23  | 33   | -10                                     | 42                  | 0    | 0.57          | 1.0        | T                                       | 75.7       | 119                | 320 (NW) | 0                  | 0                        | 10                 | 126            |  |  |
| 9                                       | 37   | 13   | 25  | 32   | -7                                      | 40                  | 0    | 0.00          | 0.0        | T                                       | 54.2       | 85                 | 280 (W)  | 268                | 39                       | 8                  | 126            |  |  |
| 10                                      | 50   | 35   | 43  | 32   | 11                                      | 22                  | 0    | 1.32          | 0.0        | T                                       | 61.5       | 114                | 280 (W)  | 185                | 27                       | 9                  | 123            |  |  |
| 11                                      | 38   | 22   | 30  | 32   | -2                                      | 35                  | 0    | T             | 0.0        | 0                                       | 32.6       | 89                 | 300 (NW) | 650                | 95                       | 0                  | 126            |  |  |
| 12                                      | 42   | 35   | 39  | 31   | 8                                       | 26                  | 0    | 0.00          | 0.0        | 0                                       | 10.5       | 23                 | 140 (SE) | 684                | 100                      | 4                  |                |  |  |
| 13                                      | 45   | 35   | 40  | 31   | 9                                       | 25                  | 0    | 1.29          | 0.0        | 0                                       | 29.0       | 57                 | 160 (S)  | 20                 | 3                        | 10                 | 12             |  |  |
| 14                                      | 39   | 25   | 32  | 31   | 1                                       | 33                  | 0    | 0.08          | 0.0        | 0                                       | 45.2       | 79                 | 310 (NW) | 135                | 20                       | 9                  | 126            |  |  |
| 15                                      | 45   | 31   | 38  | 30   | 8                                       | 27                  | 0    | 0.00          | 0.0        | 0                                       | 38.5       | 73                 | 230 (SW) | 545                | 81                       | 9                  | 12             |  |  |
| 16                                      | 43   | 30   | 37  | 30   | 7                                       | 28                  | 0    | 1.12          | 0.2        | 0                                       | 29.3       | 57                 | 240 (SW) | 0                  | 0                        | 10                 | 1246           |  |  |
| 17                                      | 30   | 19   | 25  | 30   | -5                                      | 40                  | 0    | 1.94          | 13.8       | 6                                       | 48.5       | 99                 | 290 (W)  | 0                  | 0                        | 10                 | 1269           |  |  |
| 18                                      | 30   | 24   | 27  | 29   | -2                                      | 38                  | 0    | 0.00          | 0.0        | 7                                       | 30.2       | 57                 | 170 (S)  | 552                | 83                       | 9                  | 126            |  |  |
| 19                                      | 40   | 30   | 35  | 29   | 6                                       | 30                  | 0    | 0.10          | 0.0        | 3                                       | 31.0       | 57                 | 240 (SW) | 180                | 27                       | 10                 | 12             |  |  |
| 20                                      | 43   | 36   | 40  | 29   | 11                                      | 25                  | 0    | 0.25          | 0.0        | 1                                       | 40.1       | 80                 | 230 (SW) | 0                  | 0                        | 10                 | 12             |  |  |
| 21                                      | 48   | 41   | 45  | 28   | 17                                      | 20                  | 0    | 0.24          | 0.0        | 0                                       | 45.3       | 90                 | 270 (W)  | 20                 | 3                        | 10                 | 12             |  |  |
| 22                                      | 47   | 34   | 41  | 28   | 13                                      | 24                  | 0    | 0.10          | 0.0        | 0                                       | 36.8       | 80                 | 290 (W)  | 392                | 60                       | 8                  | 12             |  |  |
| 23                                      | 48   | 41   | 45  | 28   | 17                                      | 20                  | 0    | 0.05          | 0.0        | 0                                       | 36.5       | 66                 | 220 (SW) | 18                 | 3                        | 10                 | 12             |  |  |
| 24                                      | 46   | 19   | 33  | 28   | 5                                       | 32                  | 0    | 0.27          | T          | 0                                       | 38.7       | 64                 | 260 (W)  | 110                | 17                       | 9                  | 126            |  |  |
| 25                                      | 28   | 17   | 23  | 27   | -4                                      | 42                  | 0    | 0.00          | 0.0        | 0                                       | 25.5       | 57                 | 320 (NW) | 636                | 99                       | 4                  | 126            |  |  |
| 26                                      | 41   | 18   | 30  | 27   | 3                                       | 35                  | 0    | 0.26          | 0.1        | T                                       | 33.0       | 82                 | 240 (SW) | 0                  | 0                        | 10                 | 1246           |  |  |
| 27                                      | 31   | 12   | 22  | 27   | -5                                      | 43                  | 0    | 0.12          | 0.2        | 0                                       | 47.3       | 67                 | 290 (W)  | 15                 | 2                        | 10                 | 126            |  |  |
| 28                                      | 25   | 17   | 21  | 26   | -5                                      | 44                  | 0    | 0.08          | 0.5        | T                                       | 38.5       | 72                 | 280 (W)  | 0                  | 0                        | 10                 | 126            |  |  |
| 29                                      | 27   | 16   | 22  | 26   | -4                                      | 43                  | 0    | 0.39          | 4.1        | 1                                       | 27.6       | 65                 | 300 (NW) | 0                  | 0                        | 10                 | 126            |  |  |
| 30                                      | 16   | 8    | 12  | 26   | -14                                     | 53                  | 0    | 0.02          | 0.2        | 3                                       | 25.0       | 42                 | 070 (E)  | 230                | 37                       | 10                 |                |  |  |
| 31                                      | 22   | 9    | 16  | 26   | -10                                     | 49                  | 0    | 0.00          | 0.0        | 3                                       | 29.8       | 60                 | 220 (SW) | 627                | 100                      | 4                  |                |  |  |
| SUM                                     | 1152 | 792  | --- | ---  | ---                                     | 1034                | 0    | 9.11          | 21.3       | ---                                     | 1111.2     | ---                | ---      | 6267               | ---                      | 271                | ---            |  |  |
| AVG                                     | 37.2 | 25.5 | --- | ---  | ---                                     | ---                 | ---  | ---           | ---        | ---                                     | 35.8       | FASTEST            | DIR      | POSS               | ---                      | 8.7                | ---            |  |  |
|   |      |      |     |      |   |                     |      |               |            |   | MISC. ->   | 119                | 320 (NW) | 20805              | 30%                      |                    | ---            |  |  |

| TEMPERATURE DATA (°F)           |            | PRECIPITATION DATA (IN.)    |                   | WEATHER                   |    | SYMBOLS USED IN COLUMN 16     |  |
|---------------------------------|------------|-----------------------------|-------------------|---------------------------|----|-------------------------------|--|
| AVERAGE MONTHLY                 | 31.4       | TOTAL FOR THE MONTH         | 9.11              | NUMBER OF DAYS:           |    | 1 = FOG                       |  |
| DEPARTURE FROM NORMAL           | 1.2        | DEPARTURE FROM NORMAL       | -0.16             |                           |    | 2 = FOG REDUCING VISIBILITY   |  |
| HIGHEST                         | 50 on 10th | 24 HOUR MAX                 | 2.83 on 16th/17th | CLEAR (SCALE 0-3)         | 1  | TO 1/4 MILE OR LESS           |  |
| LOWEST                          | 8 on 30th  |                             |                   | PARTLY CLOUDY (SCALE 4-7) | 3  | 3 = THUNDER                   |  |
|                                 |            | SNOWFALL, ICE PELLETS (IN.) |                   | CLOUDY (SCALE 8-10)       | 27 | 4 = ICE PELLETS               |  |
| NUMBER OF DAYS WITH:            |            |                             |                   |                           |    | 5 = HAIL                      |  |
|                                 |            | TOTAL FOR THE MONTH         | 21.3              | WITH .01" OR MORE PRECIP  | 21 | 6 = GLAZE OR RIME             |  |
| MAX. 32 OR BELOW                | 10         | 24 HOUR MAX                 | 14.0 on 16th/17th | WITH .10" OR MORE PRECIP  | 15 | 7 = BLOWING DUST OR SAND      |  |
| MAX. 90 OR ABOVE                | 0          | MAX DEPTH ON GROUND         | 7 on 18th         | WITH .50" OR MORE PRECIP  | 5  | RED. VIS. TO 1/2 MILE OR LESS |  |
| MIN. 32 OR BELOW                | 22         |                             |                   | WITH 1.0" OR MORE PRECIP  | 4  | 8 = SMOKE OR HAZE             |  |
| MIN. 0 OR BELOW                 | 0          | PRESSURE DATA (IN.)         |                   |                           |    | 9 = BLOWING SNOW              |  |
|                                 |            | HIGHEST SEA-LEVEL           | 30.706 on 18th    |                           |    | X = TORNADO                   |  |
| HEATING DEGREE DAYS (BASE 65°F) |            | LOWEST SEA-LEVEL            | 29.435 on 7th     |                           |    |                               |  |
|                                 |            | AVG STATION                 | 23.822            |                           |    |                               |  |

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 12.0 INCHES OCCURRED AT 18Z ON THE 17TH.  
 2ND: SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO MELTING SHORTLY AFTER HITTING SURFACES  
 3RD, 7TH, 16TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING SHORTLY AFTER HITTING SURFACES  
 21ST: SNOW DEPTH NOTED AS SNOW AND ICE STILL EVIDENT IN A FEW SCATTERED PATCHES  
 26TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION.  
 29TH, 30TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR 1 HOUR DUE TO PITOT BEING VANED INCORRECTLY IN LOW WINDS

| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR |      |      |      |       |
|--|------|------|------|-------|
| 0600   | 1200 | 1800 | 0000 | MONTH |
| 76   | 78   | 80   | 78   | 78    |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
 THERE WERE 351 HOURS OF PREVAILING WINDS FROM THE W,  
 47% OF THE TOTAL HOURS OF THE MONTH.