

PRELIMINARY LOCAL CLIMATOLOGICAL DATA MONTH January YEAR 2020

LATITUDE 42° 13' N LONGITUDE 71° 07' W GROUND ELEVATION 629 FT. STANDARD TIME Eastern

| DAY | TEMPERATURE*F |         |         |                       |                        |         | PRECIPITATION (in.)      |                       | SNOW, ICE                         | WIND                   |                |           | SUNSHINE     |                     | SKY COVER<br>SUNRISE TO<br>SUNSET (Tenths) | WEATHER OCCURANCES | PEAK<br>GUST<br>(m.p.h.) | DIRECTION OF<br>PEAK GUST | AVG. STATION<br>PRESSURE (in.) | AVG. STATION<br>WIND<br>PRESSURE (in.) |
|-----|---------------|---------|---------|-----------------------|------------------------|---------|--------------------------|-----------------------|-----------------------------------|------------------------|----------------|-----------|--------------|---------------------|--|--------------------|--------------------------|---------------------------|--------------------------------|--|
|     | MAXIMUM       | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) |         | TOTAL (Water Equivalent) | SNOWFALL, ICE PELLETS | PELLETS OR ICE ON GROUND AT 0700E | AVERAGE SPEED (m.p.h.) | FASTEST MILE   |           | TOTAL (Min.) | PERCENT OF POSSIBLE |  |                    |                          |                           |                                |  |
|     |               |         |         |                       | HEATING                | COOLING |                          |                       |                                   |                        | SPEED (m.p.h.) | DIRECTION |              |                     |  |                    |                          |                           |                                |  |
| 1   | 2             | 3       | 4       | 5                     | 6a                     | 6b      | 7                        | 8                     | 9                                 | 10                     | 11             | 12        | 13           | 14                  | 15   | 16                 | 17                       | 18                        | 19                             | 20                                     |
| 1   | 38            | 30      | 34      | 7                     | 31                     | 0       | 0.00                     | 0.0                   | 0                                 | 16.4                   | 29             | W         | 400          | 73                  |  |                    | 39                       | W                         | 980                            | 4.0                                    |
| 2   | 46            | 29      | 38      | 11                    | 27                     | 0       | 0.00                     | 0.0                   | 0                                 | 12.8                   | 24             | SW        | 269          | 49                  |  |                    | 28                       | SW                        | 987                            | 3.9                                    |
| 3   | 46            | 40      | 43      | 17                    | 22                     | 0       | 0.00                     | 0.0                   | 0                                 | 8.9                    | 18             | SW        | 0            | 0                   |  |                    | 21                       | SW                        | 984                            | 6.3                                    |
| 4   | 46            | 36      | 41      | 15                    | 24                     | 0       | 0.15                     | 0.0                   | 0                                 | 6.2                    | 14             | NNW       | 0            | 0                   |  | 2                  | 16                       | NNW                       | 980                            | 8.0                                    |
| 5   | 36            | 24      | 30      | 4                     | 35                     | 0       | 0.15                     | 0.5                   | T                                 | 16.4                   | 34             | NW        | 116          | 21                  |  |                    | 43                       | NW                        | 981                            | 4                                      |
| 6   | 33            | 23      | 28      | 2                     | 37                     | 0       | T                        | T                     | T                                 | 7.7                    | 24             | W         | 133          | 24                  |  |                    | 26                       | W                         | 990                            | 4                                      |
| 7   | 38            | 29      | 34      | 8                     | 31                     | 0       | 0.01                     | 0.4                   | T                                 | 9.1                    | 18             | W         | 161          | 29                  |  |                    | 30                       | WSW                       | 991                            | 3.0                                    |
| 8   | 39            | 22      | 31      | 5                     | 34                     | 0       | 0.04                     | 0.3                   | 1                                 | 14.2                   | 39             | W         | 350          | 63                  |  |                    | 50                       | W                         | 988                            | 3.5                                    |
| 9   | 28            | 16      | 22      | -4                    | 43                     | 0       | 0.00                     | 0.0                   | T                                 | 12.3                   | 32             | WNW       | 540          | 97                  |  |                    | 43                       | WNW                       | 1012                           | 1.5                                    |
| 10  | 48            | 23      | 36      | 11                    | 29                     | 0       | 0.00                     | 0.0                   | T                                 | 18.9                   | 29             | SW        | 106          | 19                  |  |                    | 37                       | SW                        | 1008                           | 6.5                                    |
| 11  | 65            | 46      | 56      | 31                    | 9                      | 0       | 0.00                     | 0.0                   | 0                                 | 23.5                   | 40             | SSW       | 408          | 73                  |  |                    | 53                       | SSW                       | 998                            | 12.8                                   |
| 12  | 68            | 36      | 52      | 27                    | 13                     | 0       | 0.09                     | 0.0                   | 0                                 | 23.5                   | 45             | SSW       | 297          | 53                  |  | 2                  | 60                       | SSW                       | 992                            | 11.1                                   |
| 13  | 39            | 31      | 35      | 10                    | 30                     | 0       | 0.01                     | T                     | 0                                 | 6.4                    | 15             | NE        | 0            | 0                   |  | 2                  | 21                       | NE                        | 1006                           | 6.1                                    |
| 14  | 38            | 31      | 35      | 10                    | 30                     | 0       | 0.01                     | 0.0                   | 0                                 | 6.1                    | 12             | S         | 0            | 0                   |  | 6                  | 16                       | W                         | 1000                           | 6.1                                    |
| 15  | 48            | 35      | 42      | 17                    | 23                     | 0       | 0.00                     | 0.0                   | 0                                 | 9.8                    | 20             | W         | 503          | 89                  |  |                    | 24                       | W                         | 995                            | 5.9                                    |
| 16  | 42            | 24      | 33      | 8                     | 32                     | 0       | 0.06                     | 0.0                   | 0                                 | 18.3                   | 43             | W         | 142          | 25                  |  | 2,6                | 54                       | W                         | 987                            | 5.1                                    |
| 17  | 24            | 10      | 17      | -8                    | 48                     | 0       | 0.00                     | 0.0                   | 0                                 | 21.1                   | 38             | NW        | 552          | 97                  |  |                    | 50                       | NW                        | 1005                           | 1.0                                    |
| 18  | 28            | 8       | 18      | -7                    | 47                     | 0       | 0.35                     | 2.8                   | 0                                 | 8.7                    | 20             | WSW       | 0            | 0                   |  |                    | 28                       | WSW                       | 1001                           | 2.1                                    |
| 19  | 40            | 21      | 31      | 6                     | 34                     | 0       | 0.02                     | 0.2                   | 3                                 | 14.5                   | 34             | W         | 332          | 58                  |  | 2                  | 44                       | W                         | 981                            | 3.4                                    |
| 20  | 26            | 12      | 19      | -6                    | 46                     | 0       | 0.00                     | 0.0                   | 2                                 | 13.3                   | 26             | NW        | 442          | 77                  |  |                    | 33                       | NW                        | 997                            | 1.6                                    |
| 21  | 24            | 10      | 17      | -8                    | 48                     | 0       | 0.00                     | 0.0                   | 2                                 | 6.7                    | 15             | NW        | 472          | 82                  |  |                    | 22                       | NW                        | 1004                           | 1.6                                    |
| 22  | 34            | 13      | 29      | -1                    | 41                     | 0       | 0.00                     | 0.0                   | 2                                 | 6.8                    | 14             | WNW       | 566          | 98                  |  |                    | 16                       | SW                        | 1005                           | 2.3                                    |
| 23  | 46            | 26      | 36      | 11                    | 29                     | 0       | 0.00                     | 0.0                   | 2                                 | 10.5                   | 16             | SW        | 348          | 60                  |  |                    | 21                       | SW                        | 1003                           | 2.3                                    |
| 24  | 44            | 31      | 38      | 13                    | 27                     | 0       | 0.00                     | 0.0                   | 2                                 | 9.3                    | 12             | ENE       | 524          | 90                  |  |                    | 21                       | ENE                       | 1004                           | 5.1                                    |
| 25  | 50            | 36      | 43      | 18                    | 22                     | 0       | 0.57                     | 0.0                   | T                                 | 17.2                   | 28             | ESE       | 0            | 0                   |  | 1                  | 41                       | ESE                       | 994                            | 8.0                                    |
| 26  | 49            | 35      | 42      | 17                    | 23                     | 0       | 0.00                     | 0.0                   | 0                                 | 14.3                   | 26             | W         | 346          | 59                  |  |                    | 33                       | W                         | 982                            | 5.4                                    |
| 27  | 43            | 33      | 38      | 13                    | 27                     | 0       | 0.00                     | 0.0                   | 0                                 | 12.0                   | 23             | W         | 106          | 18                  |  |                    | 30                       | W                         | 979                            | 4.8                                    |
| 28  | 37            | 30      | 34      | 9                     | 31                     | 0       | T                        | 0.0                   | 0                                 | 10.3                   | 16             | NW        | 30           | 5                   |  |                    | 25                       | NW                        | 983                            | 4.1                                    |
| 29  | 38            | 23      | 31      | 6                     | 34                     | 0       | 0.00                     | 0.0                   | 0                                 | 10.2                   | 17             | N         | 522          | 88                  |  |                    | 24                       | N                         | 992                            | 2.5                                    |
| 30  | 34            | 16      | 25      | -1                    | 40                     | 0       | 0.00                     | 0.0                   | 0                                 | 6.4                    | 13             | NNW       | 547          | 92                  |  |                    | 17                       | NNW                       | 1002                           | 1.8                                    |
| 31  | 43            | 24      | 34      | 8                     | 31                     | 0       | 0.00                     | 0.0                   | 0                                 | 8.9                    | 14             | S         | 430          | 72                  |  |                    | 22                       | S                         | 1001                           | 4.0                                    |
| SUM | 1258          | 803     | -----   | -----                 | 978                    | 0       | 1.46                     | 4.2                   | -----                             | 380.7                  | -----          | -----     | 8642         | -----               | -----                                      | -----              | -----                    | -----                     | -----                          | 141.8                                  |
| AVG | 40.6          | 25.9    | -----   | -----                 | -----                  | -----   | -----                    | -----                 | -----                             | 12.3                   | FASTEST        | DIR       | POSSIBLE     | %                   | -----                                      | -----              | -----                    | -----                     | -----                          | 4.6                                    |
|     |               |         |         |                       |                        |         |                          |                       |                                   |                        | 45             | SSW       | 17639        | 49                  |  |                    | 60                       | SSW                       |                                |  |

| TEMPERATURE DATA               |      |    |      | WEATHER   |           |         |           | SYMBOLS USED IN COLUMN 16      |   |        |        |        |        |        |        |        |             |  |  |  |  |
|--------------------------------|------|----|------|---|-----------|---------|-----------|--------------------------------|---|--------|--------|--------|--------|--------|--------|--------|-------------|--|--|--|--|
| AVERAGE MONTHLY                | 33.3 |    |      | TOTAL FOR THE MONTH                                 | 1.46 IN.  |         |           | NUMBER OF DAYS -               |   |        |        |        |        |        |        |        |             |  |  |  |  |
| DEPARTURE FROM NORMAL          | +7.8 |    |      | DEPARTURE FROM NORMAL                               | -2.89 IN. |         |           | CLEAR (Scale 0-3)              | 1 = FOG REDUCING VISIBILITY TO 6 MILES OR LESS  |        |        |        |        |        |        |        |             |  |  |  |  |
| HIGHEST                        | 68   | ON | 12th | GRTST IN 24 HRS.                                    | 0.57      | ON      | 25th      | PARTLY CLOUDY (Scale 4-7)      | 2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS |        |        |        |        |        |        |        |             |  |  |  |  |
| LOWEST                         | 8    | ON | 18th | SNOWFALL, ICE PELLETS                               |           |         |           | CLOUDY (Scale 8-10)            | 3 = THUNDER                                     |        |        |        |        |        |        |        |             |  |  |  |  |
| NUMBER OF DAYS WITH -          |      |    |      | TOTAL FOR THE MONTH                                 | 4.2 IN.   |         |           | WITH 0.01 INCH OR MORE PRECIP. | 4 = ICE PELLETS                                 |        |        |        |        |        |        |        |             |  |  |  |  |
| MAX 32° OR BELOW               | 5    |    |      | GRTST IN 24 HRS.                                    | 3         | ON      | 18th-19th | WITH 0.10 INCH OR MORE PRECIP. | 5 = HAIL  |        |        |        |        |        |        |        |             |  |  |  |  |
| MAX 90° OR ABOVE               | 0    |    |      | GRTST DEPTH 07E                                     | 3         | ON      | 19th      | WITH 0.50 INCH OR MORE PRECIP. | 6 = GLAZE OR RIME                               |        |        |        |        |        |        |        |             |  |  |  |  |
| MIN 32° OR BELOW               | 23   |    |      | PRESSURE DATA                                       |           |         |           | WITH 1.00 INCH OR MORE PRECIP. | 7 = BLOWING DUST OR BLOWING SAND                |        |        |        |        |        |        |        |             |  |  |  |  |
| MIN 0° OR BELOW                | 0    |    |      | HIGHEST SEA-LEVEL                                   | 30.753    | IN. ON. | 9-Jan     |                                | 0 = REDUCING VISIBILITY TO 1/4 MILE OR LESS     |        |        |        |        |        |        |        |             |  |  |  |  |
| HEATING DEGREE DAYS (Base 65°) |      |    |      | LOWEST SEA-LEVEL                                    | 29.161    | IN. ON. | 5-Jan     |                                | 8 = SMOKE OR HAZE                               |        |        |        |        |        |        |        |             |  |  |  |  |
| TOTAL THIS MONTH               | 978  |    |      | MAXIMUM PRECIPITATION                               |           |         |           |                                | 9 = BLOWING SNOW                                |        |        |        |        |        |        |        |             |  |  |  |  |
| DEPARTURE FROM NORMAL          | -248 |    |      | At (Minutes)  | 5         | 10      | 15        | 20                             | 30  | 45     | 60     | 80     | 100    | 120    | 150    | 180    | X = TORNADO |  |  |  |  |
| SEASONAL TOTAL                 | 3229 |    |      | PRECIPITATION (inches)                              | 0.05      | 0.08    | 0.1       | 0.13                           | 0.16  | 0.19   | 0.21   | 0.27   | 0.31   | 0.34   | 0.38   | 0.41   |             |  |  |  |  |
| DEPARTURE FROM NORMAL          | -302 |    |      | ENDED: DATE   | 2150E     | 2154E   | 2200E     | 2200E                          | 2152E   | 2200E  | 2200E  | 2200E  | 2200E  | 2200E  | 2200E  | 2200E  |             |  |  |  |  |
| COOLING DEGREE DAYS (Base 65°) |      |    |      | TIME  | 25-Jan    | 25-Jan  | 25-Jan    | 25-Jan                         | 25-Jan  | 25-Jan | 25-Jan | 25-Jan | 25-Jan | 25-Jan | 25-Jan | 25-Jan |             |  |  |  |  |
| TOTAL THIS MONTH               | 0    |    |      | BAROMETRIC PRESSURE                                 |           |         |           | AVERAGE RELATIVE HUMIDITY      |   |        |        |        |        |        |        |        |             |  |  |  |  |
| DEPARTURE FROM NORMAL          | 0    |    |      | Hpc. 649 FT. MSL                                    |           |         |           | 1AM: 72% 1PM: 57%              |   |        |        |        |        |        |        |        |             |  |  |  |  |
| SEASONAL TOTAL                 | 0    |    |      | Avg Station Pressure: 29.347 in.                    |           |         |           | 7AM: 77% 7PM: 65%              |   |        |        |        |        |        |        |        |             |  |  |  |  |
| DEPARTURE FROM NORMAL          | 0    |    |      | Avg Sea Level Pressure: 30.073 in.                  |           |         |           | Pk. Gust ASOS                  |   |        |        |        |        |        |        |        |             |  |  |  |  |
|                                |      |    |      | CLIMAT 74492 9938 0184 10001 04607 00371 14421 0978 |           |         |           | PREV. WIND DIR. W 19%          |   |        |        |        |        |        |        |        |             |  |  |  |  |
|                                |      |    |      |   |           |         |           | STATION INDEX NO: 19-0736-02   |   |        |        |        |        |        |        |        |             |  |  |  |  |