

Summary of Monthly Normals  
1991-2020

Generated on 04/27/2024

Current Location: Elev: 14 ft. Lat: 19.2833° N Lon: 166.6500° E  
Station: WAKE ISLAND, UM WQ WQW00041606

| Temperature (°F) |           |           |      |                       |                       |                       |                     |       |       |       |       |       |                     |     |     |     |                     |           |           |           |           |          |
|------------------|-----------|-----------|------|-----------------------|-----------------------|-----------------------|---------------------|-------|-------|-------|-------|-------|---------------------|-----|-----|-----|---------------------|-----------|-----------|-----------|-----------|----------|
| Mean             |           |           |      |                       |                       |                       | Cooling Degree Days |       |       |       |       |       | Heating Degree Days |     |     |     | Mean Number of Days |           |           |           |           |          |
|                  |           |           |      |                       |                       |                       | Base (above)        |       |       |       |       |       | Base (above)        |     |     |     |                     |           |           |           |           |          |
| Month            | Daily Max | Daily Min | Mean | Long Term Max Std Dev | Long Term Min Std Dev | Long Term Avg Std Dev | 55                  | 57    | 60    | 65    | 70    | 72    | 55                  | 57  | 60  | 65  | Max >= 100          | Max >= 90 | Max >= 50 | Max <= 32 | Min <= 32 | Min <= 0 |
| 01               | 83.2      | 74.2      | 78.7 | 1.4                   | 1.9                   | 1.4                   | 734.7               | 672.7 | 579.7 | 424.7 | 269.7 | 207.7 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 02               | 83.3      | 73.3      | 78.3 | 1.7                   | 0.9                   | 1.1                   | 652.4               | 596.4 | 512.4 | 372.4 | 232.4 | 176.4 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.3       | 28.0      | 0.0       | 0.0       | 0.0      |
| 03               | 84.0      | 73.4      | 78.7 | 1.6                   | 1.2                   | 0.9                   | 734.7               | 672.7 | 579.7 | 424.7 | 269.7 | 207.9 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.2       | 31.0      | 0.0       | 0.0       | 0.0      |
| 04               | 85.4      | 74.5      | 80.0 | 1.4                   | 2.1                   | 1.1                   | 748.5               | 688.5 | 598.5 | 448.5 | 298.5 | 238.5 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.4       | 30.0      | 0.0       | 0.0       | 0.0      |
| 05               | 86.8      | 76.0      | 81.4 | 1.7                   | 1.7                   | 1.3                   | 818.4               | 756.4 | 663.4 | 508.4 | 353.4 | 291.4 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 2.7       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 88.8      | 77.9      | 83.3 | 1.0                   | 1.7                   | 1.0                   | 850.5               | 790.5 | 700.5 | 550.5 | 400.5 | 340.5 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 9.1       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 89.1      | 77.7      | 83.4 | 0.8                   | 2.2                   | 1.2                   | 880.4               | 818.4 | 725.4 | 570.4 | 415.4 | 353.4 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 12.6      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 89.4      | 78.0      | 83.7 | 0.8                   | 2.4                   | 1.3                   | 889.7               | 827.7 | 734.7 | 579.7 | 424.7 | 362.7 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 18.2      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 89.1      | 77.7      | 83.4 | 0.9                   | 2.7                   | 1.4                   | 852.0               | 792.0 | 702.0 | 552.0 | 402.0 | 342.0 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 14.5      | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 88.1      | 77.4      | 82.8 | 1.0                   | 2.3                   | 1.2                   | 860.2               | 798.2 | 705.2 | 550.2 | 395.2 | 333.2 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 6.1       | 31.0      | 0.0       | 0.0       | 0.0      |
| 11               | 86.0      | 76.5      | 81.3 | 1.3                   | 2.1                   | 1.3                   | 787.5               | 727.5 | 637.5 | 487.5 | 337.5 | 277.5 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.1       | 30.0      | 0.0       | 0.0       | 0.0      |
| 12               | 84.4      | 75.3      | 79.9 | 1.4                   | 1.6                   | 1.1                   | 770.4               | 708.4 | 615.4 | 460.4 | 305.4 | 243.4 | 0.0                 | 0.0 | 0.0 | 0.0 | 0.0                 | 0.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| Summary          | 86.5      | 76.0      | 81.2 | 1.3                   | 1.9                   | 1.2                   | 9579                | 8849  | 7754  | 5929  | 4104  | 3375  | 0                   | 0   | 0   | 0   | 0.0                 | 64.2      | 365.0     | 0.0       | 0.0       | 0.0      |

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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| Precipitation (in.) |        |                     |         |         |         |                                                                                                                        |       |       |
|---------------------|--------|---------------------|---------|---------|---------|------------------------------------------------------------------------------------------------------------------------|-------|-------|
|                     | Totals | Mean Number of Days |         |         |         | Precipitation Probabilities<br>Probability that precipitation will be<br>equal to or less than<br>the indicated amount |       |       |
|                     | Means  | Daily Precipitation |         |         |         | Monthly Precipitation<br>vs. Probability Levels                                                                        |       |       |
| Month               | Mean   | >= 0.01             | >= 0.10 | >= 0.50 | >= 1.00 | 0.25                                                                                                                   | 0.50  | 0.75  |
| 01                  | 1.64   | 9.6                 | 4.0     | 0.6     | 0.3     | 0.65                                                                                                                   | 1.60  | 1.94  |
| 02                  | 1.48   | 8.6                 | 3.2     | 0.4     | 0.2     | 0.45                                                                                                                   | 0.87  | 1.11  |
| 03                  | 2.07   | 11.9                | 5.5     | 0.9     | 0.4     | 0.87                                                                                                                   | 1.92  | 2.22  |
| 04                  | 1.50   | 13.2                | 4.1     | 0.4     | 0.1     | 0.93                                                                                                                   | 1.15  | 1.42  |
| 05                  | 2.03   | 13.2                | 5.1     | 0.7     | 0.5     | 1.06                                                                                                                   | 1.28  | 2.63  |
| 06                  | 1.78   | 13.5                | 5.6     | 0.7     | 0.1     | 1.44                                                                                                                   | 1.58  | 1.83  |
| 07                  | 4.10   | 18.0                | 8.3     | 1.7     | 0.9     | 1.99                                                                                                                   | 3.37  | 4.53  |
| 08                  | 4.38   | 18.4                | 9.4     | 2.5     | 1.0     | 2.59                                                                                                                   | 3.32  | 6.02  |
| 09                  | 5.91   | 19.6                | 10.5    | 2.9     | 1.3     | 3.80                                                                                                                   | 5.28  | 6.47  |
| 10                  | 5.18   | 18.4                | 10.3    | 2.8     | 1.0     | 2.64                                                                                                                   | 4.94  | 6.52  |
| 11                  | 2.39   | 14.4                | 6.2     | 1.2     | 0.5     | 1.39                                                                                                                   | 1.81  | 3.21  |
| 12                  | 2.14   | 13.4                | 4.8     | 0.8     | 0.3     | 1.41                                                                                                                   | 1.80  | 2.16  |
| Summary             | 34.60  | 172.2               | 77.0    | 15.6    | 6.6     | 19.22                                                                                                                  | 28.92 | 40.06 |

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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Station: **WAKE ISLAND, UM WQ WQW00041606**

Summary of Monthly Normals  
1991-2020  
Generated on 04/27/2024

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

| Snow (in.) |                  |                        |     |     |      |       |                          |     |     |     |                                                                                                   |      |      |
|------------|------------------|------------------------|-----|-----|------|-------|--------------------------|-----|-----|-----|---------------------------------------------------------------------------------------------------|------|------|
|            | Totals           | Mean Number of Days    |     |     |      |       |                          |     |     |     | Snow Probabilities<br>Probability that snow will be equal to<br>or less than the indicated amount |      |      |
|            | Means            | Snowfall >= Thresholds |     |     |      |       | Snow Depth >= Thresholds |     |     |     | Monthly Snow vs. Probability Levels<br>Values derived from the<br>incomplete gamma distribution.  |      |      |
| Month      | Snowfall<br>Mean | 0.01                   | 1.0 | 3.0 | 5.00 | 10.00 | 1                        | 3   | 5   | 10  | .25                                                                                               | .50  | .75  |
| 01         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 02         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 03         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 04         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 05         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 06         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 07         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 08         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 09         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 10         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 12         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| Summary    | 0.0              | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.0                                                                                               | 0.0  | 0.0  |

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| Growing Degree Units (Monthly)          |        |        |        |        |        |        |        |        |        |        |        |        |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base                                    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
| Growing Degree Units (Monthly)          |        |        |        |        |        |        |        |        |        |        |        |        |
| Base                                    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
| 40                                      | 1199.7 | 1072.4 | 1199.7 | 1198.5 | 1283.4 | 1300.5 | 1345.4 | 1354.7 | 1302.0 | 1325.2 | 1237.5 | 1235.4 |
| 45                                      | 1044.7 | 932.4  | 1044.7 | 1048.5 | 1128.4 | 1150.5 | 1190.4 | 1199.7 | 1152.0 | 1170.2 | 1087.5 | 1080.4 |
| 50                                      | 889.7  | 792.4  | 889.7  | 898.5  | 973.4  | 1000.5 | 1035.4 | 1044.7 | 1002.0 | 1015.2 | 937.5  | 925.4  |
| 55                                      | 734.7  | 652.4  | 734.7  | 748.5  | 818.4  | 850.5  | 880.4  | 889.7  | 852.0  | 860.2  | 787.5  | 770.4  |
| 60                                      | 579.7  | 512.4  | 579.7  | 598.5  | 663.4  | 700.5  | 725.4  | 734.7  | 702.0  | 705.2  | 637.5  | 615.4  |
| Growing Degree Units for Corn (Monthly) |        |        |        |        |        |        |        |        |        |        |        |        |
| 50/86                                   | 888.5  | 790.1  | 886.4  | 891.2  | 952.9  | 957.8  | 986.6  | 990.7  | 954.2  | 980.2  | 927.2  | 922.8  |

| Growing Degree Units (Accumulated Monthly)          |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------------------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 40                                                  | 1200 | 2272 | 3472 | 4670 | 5954 | 7254 | 8600 | 9954 | 11256 | 12582 | 13819 | 15054 |
| 45                                                  | 1045 | 1977 | 3022 | 4070 | 5199 | 6349 | 7540 | 8739 | 9891  | 11062 | 12149 | 13229 |
| 50                                                  | 890  | 1682 | 2572 | 3470 | 4444 | 5444 | 6480 | 7524 | 8526  | 9542  | 10479 | 11404 |
| 55                                                  | 735  | 1387 | 2122 | 2870 | 3689 | 4539 | 5420 | 6309 | 7161  | 8022  | 8809  | 9579  |
| 60                                                  | 580  | 1092 | 1672 | 2270 | 2934 | 3634 | 4360 | 5094 | 5796  | 6502  | 7139  | 7754  |
| Growing Degree Units for Corn (Monthly Accumulated) |      |      |      |      |      |      |      |      |       |       |       |       |
| 50/86                                               | 888  | 1679 | 2565 | 3456 | 4409 | 5367 | 6354 | 7344 | 8298  | 9279  | 10206 | 11129 |

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.  
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.