

Summary of Monthly Normals  
1991-2020

Generated on 06/03/2024

Current Location: Elev: 3267 ft. Lat: 31.5678° N Lon: 111.0497° W

Station: TUMACACORI NM, AZ US USC00028865

| 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               | 63.3      | 32.0      | 47.7 | 3.5                   | 2.5                   | 2.2                   | 8.8                 | 3.5   | 0.9   | 0.0   | 0.0   | 0.0   | 236.7               | 293.4 | 383.7 | 537.9 | 0.0                 | 0.0       | 29.7      | 0.0       | 16.9      | 0.0      |  |
| 02               | 65.7      | 33.8      | 49.7 | 4.0                   | 2.9                   | 2.9                   | 17.4                | 8.5   | 2.8   | 0.2   | 0.0   | 0.0   | 164.4               | 211.4 | 289.7 | 427.2 | 0.0                 | 0.0       | 27.2      | 0.0       | 11.9      | 0.0      |  |
| 03               | 71.8      | 38.0      | 54.9 | 3.6                   | 2.4                   | 2.6                   | 83.7                | 54.1  | 23.1  | 3.4   | 0.2   | 0.0   | 86.8                | 119.2 | 181.2 | 316.5 | 0.0                 | 0.3       | 30.9      | 0.0       | 6.3       | 0.0      |  |
| 04               | 78.2      | 42.5      | 60.4 | 2.9                   | 2.0                   | 2.2                   | 186.2               | 140.7 | 83.9  | 23.2  | 2.6   | 0.7   | 25.7                | 40.2  | 73.4  | 162.7 | 0.0                 | 2.4       | 30.0      | 0.0       | 1.8       | 0.0      |  |
| 05               | 86.0      | 49.1      | 67.6 | 3.2                   | 2.7                   | 2.7                   | 391.7               | 332.4 | 247.1 | 125.0 | 44.4  | 26.0  | 2.6                 | 5.2   | 13.0  | 46.0  | 0.7                 | 13.1      | 31.0      | 0.0       | 0.2       | 0.0      |  |
| 06               | 95.1      | 59.0      | 77.1 | 2.3                   | 2.9                   | 2.3                   | 661.4               | 601.4 | 511.5 | 362.5 | 218.9 | 166.6 | 0.0                 | 0.0   | 0.1   | 1.0   | 10.3                | 26.9      | 30.0      | 0.0       | 0.0       | 0.0      |  |
| 07               | 93.4      | 66.8      | 80.1 | 2.6                   | 1.4                   | 1.5                   | 778.0               | 716.0 | 623.1 | 468.1 | 313.4 | 252.1 | 0.0                 | 0.0   | 0.0   | 0.0   | 7.8                 | 25.4      | 31.0      | 0.0       | 0.0       | 0.0      |  |
| 08               | 91.2      | 65.8      | 78.5 | 2.3                   | 1.3                   | 1.5                   | 728.5               | 666.5 | 573.5 | 418.5 | 264.1 | 203.4 | 0.0                 | 0.0   | 0.0   | 0.0   | 3.1                 | 23.2      | 31.0      | 0.0       | 0.0       | 0.0      |  |
| 09               | 88.5      | 59.8      | 74.1 | 2.1                   | 1.8                   | 1.5                   | 574.5               | 514.5 | 424.7 | 277.1 | 140.5 | 94.8  | 0.1                 | 0.1   | 0.2   | 2.6   | 0.4                 | 17.5      | 30.0      | 0.0       | 0.0       | 0.0      |  |
| 10               | 81.1      | 47.9      | 64.5 | 3.2                   | 2.4                   | 2.2                   | 305.8               | 250.1 | 172.6 | 69.6  | 14.1  | 5.5   | 11.2                | 17.6  | 33.1  | 85.1  | 0.0                 | 6.2       | 31.0      | 0.0       | 0.8       | 0.0      |  |
| 11               | 71.3      | 38.2      | 54.7 | 4.1                   | 3.0                   | 3.2                   | 86.7                | 58.4  | 28.0  | 4.8   | 0.3   | 0.0   | 94.2                | 125.9 | 185.5 | 312.3 | 0.0                 | 0.0       | 29.8      | 0.0       | 6.1       | 0.0      |  |
| 12               | 62.7      | 31.8      | 47.2 | 3.1                   | 2.1                   | 2.1                   | 8.4                 | 3.2   | 0.6   | 0.0   | 0.0   | 0.0   | 248.5               | 305.3 | 395.8 | 550.2 | 0.0                 | 0.0       | 29.2      | 0.0       | 16.3      | 0.0      |  |
| Summary          | 79.0      | 47.1      | 63.0 | 3.1                   | 2.3                   | 2.2                   | 3831                | 3349  | 2692  | 1752  | 998   | 749   | 870                 | 1118  | 1556  | 2442  | 22.3                | 115.0     | 360.8     | 0.0       | 60.3      | 0.0      |  |

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

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1991-2020  
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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                  | 1.15   | 3.6                 | 2.1     | 0.5     | 0.1     | 0.08                                                                                                                   | 0.62  | 1.46  |  |
| 02                  | 1.07   | 3.9                 | 2.8     | 0.7     | 0.2     | 0.36                                                                                                                   | 0.90  | 1.45  |  |
| 03                  | 0.81   | 2.7                 | 1.9     | 0.4     | 0.1     | 0.28                                                                                                                   | 0.60  | 1.06  |  |
| 04                  | 0.31   | 1.5                 | 0.9     | 0.2     | 0.0     | 0.00                                                                                                                   | 0.09  | 0.35  |  |
| 05                  | 0.17   | 0.7                 | 0.5     | 0.1     | 0.0     | 0.00                                                                                                                   | 0.00  | 0.31  |  |
| 06                  | 0.47   | 1.8                 | 1.2     | 0.2     | 0.1     | 0.00                                                                                                                   | 0.13  | 0.75  |  |
| 07                  | 3.79   | 11.4                | 7.7     | 2.9     | 0.9     | 2.65                                                                                                                   | 3.66  | 4.76  |  |
| 08                  | 3.35   | 10.1                | 6.6     | 2.2     | 0.8     | 2.46                                                                                                                   | 3.27  | 4.53  |  |
| 09                  | 1.83   | 5.0                 | 3.6     | 1.2     | 0.3     | 0.97                                                                                                                   | 1.65  | 2.48  |  |
| 10                  | 1.09   | 2.5                 | 1.8     | 0.6     | 0.2     | 0.01                                                                                                                   | 0.41  | 1.34  |  |
| 11                  | 0.89   | 2.1                 | 1.3     | 0.3     | 0.2     | 0.15                                                                                                                   | 0.47  | 1.20  |  |
| 12                  | 1.02   | 3.7                 | 2.3     | 0.6     | 0.2     | 0.24                                                                                                                   | 0.63  | 1.62  |  |
| Summary             | 15.95  | 49.0                | 32.7    | 9.9     | 3.1     | 7.20                                                                                                                   | 12.43 | 21.31 |  |

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Summary of Monthly Normals  
1991-2020  
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| 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         | 0.10             | 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    | 0.1              | 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                                      | 253.1 | 281.8 | 463.0 | 610.6 | 854.1 | 1111.4 | 1243.0 | 1193.5 | 1024.4 | 759.6 | 445.1 | 242.1 |
| 45                                      | 132.5 | 161.1 | 315.4 | 461.5 | 699.2 | 961.4  | 1088.0 | 1038.5 | 874.4  | 605.4 | 305.3 | 124.3 |
| 50                                      | 48.1  | 68.6  | 184.7 | 316.9 | 544.7 | 811.4  | 933.0  | 883.5  | 724.4  | 453.2 | 181.7 | 45.1  |
| 55                                      | 8.8   | 17.4  | 83.7  | 186.2 | 391.7 | 661.4  | 778.0  | 728.5  | 574.5  | 305.8 | 86.7  | 8.4   |
| 60                                      | 0.9   | 2.8   | 23.1  | 83.9  | 247.1 | 511.5  | 623.1  | 573.5  | 424.7  | 172.6 | 28.0  | 0.6   |
| Growing Degree Units for Corn (Monthly) |       |       |       |       |       |        |        |        |        |       |       |       |
| 50/86                                   | 209.1 | 223.2 | 339.9 | 423.5 | 543.7 | 676.0  | 812.4  | 794.5  | 672.8  | 497.5 | 321.8 | 201.8 |

| Growing Degree Units (Accumulated Monthly)          |     |     |     |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| 40                                                  | 253 | 535 | 998 | 1608 | 2463 | 3574 | 4817 | 6010 | 7035 | 7794 | 8240 | 8482 |
| 45                                                  | 132 | 294 | 609 | 1070 | 1770 | 2731 | 3819 | 4858 | 5732 | 6337 | 6643 | 6767 |
| 50                                                  | 48  | 117 | 301 | 618  | 1163 | 1974 | 2907 | 3791 | 4515 | 4968 | 5150 | 5195 |
| 55                                                  | 9   | 26  | 110 | 296  | 688  | 1349 | 2127 | 2856 | 3430 | 3736 | 3823 | 3831 |
| 60                                                  | 1   | 4   | 27  | 111  | 358  | 869  | 1492 | 2066 | 2491 | 2663 | 2691 | 2692 |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |     |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 209 | 432 | 772 | 1196 | 1739 | 2415 | 3228 | 4022 | 4695 | 5193 | 5514 | 5716 |

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.