

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 4906 ft. Lat: 38.1678° N Lon: -109.7597° W
Station: **CANYONLANDS THE NEEDLES, UT US USC00421168**

Summary of Monthly Normals
1981-2010
Generated on 02/28/2018

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

| 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 | 42.3 | 17.5 | 29.9 | 4.9 | 4.6 | 4.6 | 0 | 0 | 0 | 0 | 0 | 0 | 778 | 840 | 933 | 1088 | 0.0 | 0.0 | 5.2 | 3.3 | 29.5 | 1.0 |
| 02 | 48.8 | 23.4 | 36.1 | 3.6 | 3.4 | 3.1 | -7777 | -7777 | -7777 | 0 | 0 | 0 | 529 | 585 | 669 | 809 | 0.0 | 0.0 | 12.7 | 0.5 | 24.1 | 0.3 |
| 03 | 58.7 | 30.5 | 44.6 | 3.7 | 2.3 | 2.7 | 8 | 4 | 1 | -7777 | 0 | 0 | 330 | 389 | 479 | 632 | 0.0 | 0.0 | 25.5 | 0.1 | 18.9 | 0.0 |
| 04 | 67.2 | 37.3 | 52.3 | 3.7 | 2.6 | 3.0 | 60 | 40 | 19 | 4 | 1 | -7777 | 143 | 183 | 252 | 387 | 0.0 | 0.0 | 28.8 | 0.0 | 7.9 | 0.0 |
| 05 | 78.2 | 47.5 | 62.8 | 3.3 | 2.3 | 2.6 | 266 | 217 | 152 | 68 | 22 | 12 | 23 | 36 | 64 | 135 | -7777 | 2.1 | 31.0 | 0.0 | 0.6 | 0.0 |
| 06 | 89.0 | 56.5 | 72.7 | 3.0 | 2.4 | 2.6 | 534 | 475 | 388 | 252 | 136 | 98 | 1 | 3 | 6 | 20 | 1.0 | 15.3 | 30.0 | 0.0 | -7777 | 0.0 |
| 07 | 95.1 | 63.6 | 79.4 | 2.8 | 2.0 | 2.0 | 755 | 693 | 600 | 445 | 292 | 233 | 0 | 0 | -7777 | 1 | 6.2 | 25.8 | 31.0 | 0.0 | 0.0 | 0.0 |
| 08 | 92.0 | 61.6 | 76.8 | 2.3 | 1.9 | 1.9 | 676 | 614 | 521 | 366 | 216 | 161 | 0 | -7777 | -7777 | 1 | 2.0 | 21.1 | 31.0 | 0.0 | 0.0 | 0.0 |
| 09 | 83.1 | 51.6 | 67.3 | 2.7 | 2.4 | 2.0 | 377 | 321 | 242 | 127 | 46 | 26 | 6 | 11 | 22 | 56 | -7777 | 5.4 | 30.0 | 0.0 | 0.2 | 0.0 |
| 10 | 69.6 | 38.9 | 54.2 | 3.7 | 2.1 | 2.5 | 83 | 56 | 28 | 6 | 1 | -7777 | 106 | 141 | 206 | 339 | 0.0 | 0.0 | 30.1 | 0.0 | 5.4 | 0.0 |
| 11 | 54.5 | 27.7 | 41.1 | 3.7 | 2.2 | 2.6 | 3 | 1 | -7777 | 0 | 0 | 0 | 420 | 478 | 567 | 717 | 0.0 | 0.0 | 20.5 | 0.2 | 21.3 | 0.0 |
| 12 | 42.8 | 19.0 | 30.9 | 3.2 | 3.5 | 2.9 | -7777 | 0 | 0 | 0 | 0 | 0 | 747 | 809 | 902 | 1057 | 0.0 | 0.0 | 4.4 | 2.0 | 29.6 | 0.3 |
| Summary | 68.4 | 39.6 | 54.0 | 3.4 | 2.6 | 2.7 | 2762 | 2421 | 1951 | 1268 | 714 | 530 | 3083 | 3475 | 4100 | 5242 | 9.2 | 69.7 | 280.2 | 6.1 | 137.5 | 1.6 |

-7777: a non-zero value that would round to zero
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 Probability that precipitation will be equal to or less than the indicated amount | | |
| | Means | Daily Precipitation | | | | Monthly Precipitation vs. Probability Levels | | |
| Month | Mean | >= 0.01 | >= 0.10 | >= 0.50 | >= 1.00 | 0.25 | 0.50 | 0.75 |
| 01 | 0.49 | 4.0 | 2.0 | 0.1 | -7777 | 0.28 | 0.45 | 0.75 |
| 02 | 0.53 | 4.2 | 1.8 | 0.1 | -7777 | 0.18 | 0.40 | 0.78 |
| 03 | 0.80 | 6.5 | 3.0 | 0.3 | -7777 | 0.35 | 0.72 | 1.11 |
| 04 | 0.71 | 4.7 | 2.2 | 0.2 | 0.0 | 0.24 | 0.42 | 1.17 |
| 05 | 0.58 | 4.8 | 1.9 | 0.1 | -7777 | 0.25 | 0.40 | 0.65 |
| 06 | 0.35 | 3.1 | 1.1 | 0.1 | 0.0 | 0.08 | 0.23 | 0.55 |
| 07 | 0.77 | 5.3 | 2.6 | 0.4 | 0.0 | 0.26 | 0.63 | 1.22 |
| 08 | 1.04 | 6.5 | 3.1 | 0.7 | -7777 | 0.61 | 1.04 | 1.65 |
| 09 | 0.91 | 5.9 | 3.2 | 0.2 | 0.1 | 0.36 | 0.66 | 1.48 |
| 10 | 1.10 | 5.3 | 2.9 | 0.5 | 0.1 | 0.27 | 0.74 | 1.67 |
| 11 | 0.67 | 4.2 | 1.8 | 0.3 | 0.0 | 0.32 | 0.69 | 1.02 |
| 12 | 0.47 | 4.0 | 1.7 | -7777 | 0.0 | 0.19 | 0.49 | 0.59 |
| Summary | 8.42 | 58.5 | 27.3 | 3.0 | 0.2 | 3.39 | 6.87 | 12.64 |

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| Snow (in.) | | | | | | | | | | | | | |
|------------|------------------|------------------------|-----|-------|------|-------|--------------------------|-------|-------|-----|---|-----|------|
| | Totals | Mean Number of Days | | | | | | | | | Snow Probabilities Probability that snow will be equal to or less than the indicated amount | | |
| | Means | Snowfall >= Thresholds | | | | | Snow Depth >= Thresholds | | | | Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution. | | |
| Month | Snowfall Mean | 0.01 | 1.0 | 3.0 | 5.00 | 10.00 | 1 | 3 | 5 | 10 | .25 | .50 | .75 |
| 01 | 3.9 | 1.9 | 1.4 | 0.4 | 0.1 | 0.0 | 8.2 | 2.6 | 0.7 | 0.0 | 1.2 | 3.0 | 5.4 |
| 02 | 3.3 | 1.6 | 1.1 | 0.4 | 0.2 | 0.0 | 2.2 | 0.6 | -7777 | 0.0 | 0.0 | 0.5 | 5.5 |
| 03 | 2.1 | 1.3 | 0.8 | 0.4 | 0.1 | 0.1 | 1.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.5 | 2.5 |
| 04 | 0.3 | 0.2 | 0.1 | -7777 | 0.0 | 0.0 | 0.1 | -7777 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 05 | 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 |
| 06 | 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 |
| 07 | 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 |
| 08 | 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 |
| 09 | 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 |
| 10 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 1.4 | 0.9 | 0.6 | 0.2 | 0.0 | 0.0 | 1.0 | 0.4 | -7777 | 0.0 | 0.0 | 0.2 | 2.5 |
| 12 | 3.1 | 2.0 | 1.3 | 0.5 | 0.1 | 0.0 | 3.7 | 1.3 | 0.4 | 0.0 | 0.0 | 1.0 | 5.5 |
| Summary | 14.3 | 8.1 | 5.4 | 1.9 | 0.5 | 0.1 | 16.3 | 5.3 | 1.2 | 0.0 | 1.2 | 5.2 | 21.4 |

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| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|---|-----|-------|-----|-----|-----|-----|------|------|-----|-----|-------|-------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 7 | 33 | 177 | 373 | 708 | 983 | 1220 | 1141 | 820 | 446 | 113 | 10 |
| 45 | 1 | 9 | 84 | 241 | 554 | 832 | 1065 | 986 | 670 | 303 | 48 | 2 |
| 50 | 0 | 1 | 30 | 134 | 405 | 683 | 910 | 831 | 521 | 176 | 14 | -7777 |
| 55 | 0 | -7777 | 8 | 60 | 266 | 534 | 755 | 676 | 377 | 83 | 3 | -7777 |
| 60 | 0 | -7777 | 1 | 19 | 152 | 388 | 600 | 521 | 242 | 28 | -7777 | 0 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 9 | 36 | 149 | 264 | 460 | 624 | 765 | 731 | 531 | 310 | 98 | 10 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|---|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 7 | 40 | 217 | 590 | 1298 | 2281 | 3501 | 4642 | 5462 | 5908 | 6021 | 6031 |
| 45 | 1 | 10 | 94 | 335 | 889 | 1721 | 2786 | 3772 | 4442 | 4745 | 4793 | 4795 |
| 50 | 0 | 1 | 31 | 165 | 570 | 1253 | 2163 | 2994 | 3515 | 3691 | 3705 | 3705 |
| 55 | 0 | 0 | 8 | 68 | 334 | 868 | 1623 | 2299 | 2676 | 2759 | 2762 | 2762 |
| 60 | 0 | 0 | 1 | 20 | 172 | 560 | 1160 | 1681 | 1923 | 1951 | 1951 | 1951 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 9 | 45 | 194 | 458 | 918 | 1542 | 2307 | 3038 | 3569 | 3879 | 3977 | 3987 |

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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