

Summary of Monthly Normals  
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1890 ft. Lat: 31.3708° N Lon: 100.4944° W  
Station: **SAN ANGELO WFO, TX US USC00417944**

| 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               | 60.0      | 31.5      | 45.8 | 4.2                   | 3.0                   | 3.0                   | 22.1                | 13.7  | 6.1   | 1.3   | 0.1   | 0.0   | 308.6               | 362.3 | 447.6 | 597.7 | 0.0                 | 0.0       | 24.4      | 0.9       | 18.3      | 0.0      |
| 02               | 64.4      | 36.0      | 50.2 | 4.9                   | 2.8                   | 3.4                   | 59.3                | 41.7  | 22.4  | 6.1   | 1.2   | 0.7   | 193.7               | 232.1 | 296.8 | 420.4 | 0.0                 | 0.3       | 23.0      | 0.9       | 12.2      | 0.0      |
| 03               | 71.7      | 43.2      | 57.5 | 3.6                   | 3.5                   | 3.2                   | 161.4               | 124.7 | 78.3  | 29.2  | 5.4   | 2.2   | 85.4                | 110.7 | 157.4 | 263.2 | 0.0                 | 0.7       | 29.6      | 0.1       | 4.6       | 0.0      |
| 04               | 80.5      | 51.0      | 65.7 | 3.2                   | 2.4                   | 2.4                   | 339.6               | 286.7 | 212.8 | 113.6 | 46.6  | 30.8  | 17.1                | 24.1  | 40.3  | 91.0  | 0.3                 | 5.6       | 29.7      | 0.1       | 1.1       | 0.0      |
| 05               | 87.5      | 60.8      | 74.2 | 4.0                   | 1.9                   | 2.6                   | 594.9               | 534.0 | 444.3 | 301.4 | 176.0 | 134.2 | 1.3                 | 2.4   | 5.7   | 17.8  | 2.4                 | 13.2      | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 93.3      | 68.6      | 80.9 | 3.7                   | 1.9                   | 2.7                   | 778.3               | 718.3 | 628.3 | 478.3 | 329.1 | 270.6 | 0.0                 | 0.0   | 0.0   | 0.0   | 6.2                 | 23.2      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 96.0      | 70.6      | 83.3 | 2.8                   | 1.6                   | 2.0                   | 877.3               | 815.3 | 722.3 | 567.3 | 412.5 | 350.7 | 0.0                 | 0.0   | 0.0   | 0.0   | 8.9                 | 26.9      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 95.4      | 70.4      | 82.9 | 3.1                   | 1.5                   | 2.2                   | 864.6               | 802.6 | 709.6 | 554.5 | 399.8 | 338.6 | 0.0                 | 0.0   | 0.0   | 0.0   | 10.7                | 25.9      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 88.2      | 63.7      | 76.0 | 3.8                   | 2.2                   | 2.7                   | 628.7               | 569.0 | 479.6 | 334.4 | 202.0 | 155.0 | 0.2                 | 0.5   | 1.2   | 5.9   | 1.5                 | 14.5      | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 79.7      | 52.7      | 66.2 | 3.0                   | 2.5                   | 2.0                   | 363.5               | 309.0 | 232.8 | 123.6 | 46.7  | 27.9  | 16.4                | 23.9  | 40.7  | 86.4  | 0.1                 | 4.0       | 30.6      | 0.0       | 0.7       | 0.0      |
| 11               | 68.3      | 41.4      | 54.8 | 4.4                   | 3.4                   | 3.4                   | 112.0               | 83.5  | 49.5  | 16.0  | 2.8   | 1.3   | 116.4               | 147.8 | 203.9 | 320.3 | 0.0                 | 0.4       | 27.9      | 0.0       | 6.8       | 0.0      |
| 12               | 60.9      | 33.5      | 47.2 | 3.3                   | 2.4                   | 2.1                   | 31.0                | 19.2  | 8.8   | 1.5   | 0.0   | 0.0   | 272.6               | 322.9 | 405.4 | 553.1 | 0.0                 | 0.1       | 26.3      | 0.6       | 16.6      | 0.0      |
| Summary          | 78.8      | 51.9      | 65.4 | 3.7                   | 2.4                   | 2.6                   | 4833                | 4318  | 3595  | 2527  | 1622  | 1312  | 1012                | 1227  | 1599  | 2356  | 30.1                | 114.8     | 344.5     | 2.6       | 60.3      | 0.0      |

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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                  | 0.90   | 3.9                 | 2.0     | 0.7     | 0.2     | 0.29                                                                                                                   | 0.60  | 1.41  |  |
| 02                  | 1.17   | 4.5                 | 2.6     | 0.8     | 0.2     | 0.40                                                                                                                   | 0.70  | 1.77  |  |
| 03                  | 1.57   | 5.5                 | 2.9     | 1.5     | 0.5     | 0.65                                                                                                                   | 1.42  | 1.95  |  |
| 04                  | 1.41   | 4.7                 | 2.2     | 0.8     | 0.5     | 0.44                                                                                                                   | 1.27  | 1.98  |  |
| 05                  | 3.17   | 7.3                 | 4.6     | 2.3     | 1.2     | 1.50                                                                                                                   | 2.83  | 4.21  |  |
| 06                  | 2.28   | 5.4                 | 3.5     | 1.7     | 0.8     | 0.80                                                                                                                   | 1.83  | 3.20  |  |
| 07                  | 1.16   | 5.5                 | 3.0     | 0.8     | 0.3     | 0.61                                                                                                                   | 0.90  | 1.73  |  |
| 08                  | 2.51   | 6.2                 | 3.7     | 1.6     | 0.7     | 1.20                                                                                                                   | 2.31  | 3.39  |  |
| 09                  | 2.38   | 5.7                 | 3.3     | 1.7     | 0.9     | 0.83                                                                                                                   | 1.91  | 3.46  |  |
| 10                  | 2.33   | 5.5                 | 3.6     | 1.9     | 0.6     | 0.93                                                                                                                   | 2.06  | 3.16  |  |
| 11                  | 1.16   | 3.8                 | 2.0     | 0.7     | 0.3     | 0.07                                                                                                                   | 0.71  | 1.61  |  |
| 12                  | 0.90   | 4.3                 | 2.0     | 0.7     | 0.1     | 0.17                                                                                                                   | 0.76  | 1.23  |  |
| Summary             | 20.94  | 62.3                | 35.4    | 15.2    | 6.3     | 7.89                                                                                                                   | 17.30 | 29.10 |  |

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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         | 0.50             | 0.3                    | 0.2 | 0.0 | 0.0  | 0.0   | 0.2                      | 0.1 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.10 |
| 02         | 0.40             | 0.5                    | 0.2 | 0.0 | 0.0  | 0.0   | 0.2                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.30 |
| 03         | 0.00             | 0.1                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 04         | 0.10             | 0.1                    | 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         | 0.30             | 0.3                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.3                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| Summary    | 1.3              | 1.3                    | 0.5 | 0.0 | 0.0  | 0.0   | 0.7                      | 0.1 | 0.0 | 0.0 | 0.0                                                                                               | 0.0  | 0.4  |

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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                                      | 225.1 | 313.6 | 548.3 | 773.2 | 1058.6 | 1228.3 | 1342.3 | 1329.6 | 1078.5 | 812.8 | 453.5 | 260.1 |
| 45                                      | 125.9 | 204.7 | 404.0 | 624.3 | 903.6  | 1078.2 | 1187.3 | 1174.5 | 928.5  | 659.0 | 320.7 | 154.7 |
| 50                                      | 59.9  | 119.7 | 271.8 | 478.7 | 748.7  | 928.3  | 1032.3 | 1019.6 | 778.5  | 508.1 | 204.9 | 78.9  |
| 55                                      | 22.1  | 59.3  | 161.4 | 339.6 | 594.9  | 778.3  | 877.3  | 864.6  | 628.7  | 363.5 | 112.0 | 31.0  |
| 60                                      | 6.1   | 22.4  | 78.3  | 212.8 | 444.3  | 628.3  | 722.3  | 709.6  | 479.6  | 232.8 | 49.5  | 8.8   |
| Growing Degree Units for Corn (Monthly) |       |       |       |       |        |        |        |        |        |       |       |       |
| 50/86                                   | 182.8 | 223.8 | 360.4 | 499.8 | 685.6  | 811.3  | 873.8  | 868.4  | 713.2  | 525.9 | 297.8 | 193.3 |

| Growing Degree Units (Accumulated Monthly)          |     |     |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 40                                                  | 225 | 539 | 1087 | 1860 | 2919 | 4147 | 5489 | 6819 | 7898 | 8710 | 9164 | 9424 |
| 45                                                  | 126 | 331 | 735  | 1359 | 2262 | 3341 | 4528 | 5702 | 6631 | 7290 | 7611 | 7765 |
| 50                                                  | 60  | 180 | 451  | 930  | 1679 | 2607 | 3639 | 4659 | 5438 | 5946 | 6150 | 6229 |
| 55                                                  | 22  | 81  | 243  | 582  | 1177 | 1956 | 2833 | 3698 | 4326 | 4690 | 4802 | 4833 |
| 60                                                  | 6   | 28  | 107  | 320  | 764  | 1392 | 2114 | 2824 | 3304 | 3536 | 3586 | 3595 |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |      |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 183 | 407 | 767  | 1267 | 1952 | 2764 | 3638 | 4506 | 5219 | 5745 | 6043 | 6236 |

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.