

Summary of Monthly Normals  
1991-2020

Generated on 04/19/2024

Current Location: Elev: 1790 ft. Lat: 32.4106° N Lon: 99.6822° W  
Station: ABILENE RGNL AP, TX US USW00013962

| 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               | 58.8      | 33.7      | 46.3 | 3.8                   | 2.9                   | 2.9                   | 31.9                | 21.6  | 10.3  | 1.7   | 0.0   | 0.0   | 303.0               | 354.7 | 436.5 | 582.8 | 0.0                 | 0.0       | 23.3      | 1.0       | 15.3      | 0.0      |
| 02               | 62.8      | 37.4      | 50.1 | 4.6                   | 3.0                   | 3.5                   | 59.9                | 43.7  | 25.7  | 8.0   | 1.9   | 0.9   | 197.0               | 236.8 | 302.8 | 425.1 | 0.0                 | 0.2       | 22.8      | 0.7       | 9.3       | 0.0      |
| 03               | 70.9      | 45.3      | 58.1 | 3.4                   | 3.3                   | 3.1                   | 180.4               | 144.1 | 97.8  | 41.3  | 12.2  | 6.2   | 84.4                | 110.1 | 156.7 | 255.2 | 0.0                 | 0.8       | 29.4      | 0.1       | 3.8       | 0.0      |
| 04               | 79.2      | 52.8      | 66.0 | 3.4                   | 2.8                   | 2.8                   | 346.5               | 294.8 | 222.2 | 121.8 | 52.7  | 34.5  | 16.5                | 24.8  | 42.2  | 91.8  | 0.0                 | 3.3       | 29.7      | 0.0       | 0.5       | 0.0      |
| 05               | 86.3      | 61.9      | 74.1 | 4.0                   | 2.5                   | 3.0                   | 592.7               | 531.3 | 441.0 | 297.8 | 172.8 | 131.8 | 0.6                 | 1.3   | 4.0   | 15.8  | 1.1                 | 9.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 92.8      | 69.5      | 81.1 | 3.3                   | 2.0                   | 2.6                   | 784.4               | 724.4 | 634.4 | 484.6 | 335.7 | 277.2 | 0.0                 | 0.0   | 0.1   | 0.3   | 2.6                 | 20.3      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 96.4      | 73.1      | 84.7 | 2.9                   | 2.0                   | 2.4                   | 922.2               | 860.2 | 767.2 | 612.2 | 457.4 | 395.6 | 0.0                 | 0.0   | 0.0   | 0.0   | 6.3                 | 26.9      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 96.0      | 72.4      | 84.2 | 3.6                   | 2.2                   | 2.9                   | 905.0               | 843.0 | 750.0 | 595.0 | 440.3 | 378.8 | 0.0                 | 0.0   | 0.0   | 0.0   | 7.3                 | 25.2      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 88.7      | 65.0      | 76.8 | 3.6                   | 2.7                   | 2.9                   | 656.0               | 596.4 | 507.4 | 362.2 | 227.5 | 179.2 | 0.5                 | 0.9   | 1.9   | 6.7   | 1.0                 | 13.0      | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 79.3      | 54.7      | 67.0 | 3.2                   | 2.5                   | 2.4                   | 388.8               | 333.9 | 256.4 | 146.1 | 63.4  | 40.8  | 16.9                | 24.0  | 39.5  | 84.2  | 0.0                 | 2.8       | 30.5      | 0.0       | 0.4       | 0.0      |
| 11               | 67.8      | 43.3      | 55.5 | 3.8                   | 3.2                   | 3.2                   | 130.9               | 101.1 | 64.0  | 23.2  | 5.5   | 2.6   | 114.3               | 144.6 | 197.5 | 306.6 | 0.0                 | 0.1       | 27.4      | 0.1       | 5.2       | 0.0      |
| 12               | 59.4      | 35.2      | 47.3 | 3.5                   | 2.6                   | 2.5                   | 37.7                | 25.6  | 13.1  | 2.6   | 0.1   | 0.0   | 276.2               | 326.0 | 406.5 | 551.1 | 0.0                 | 0.0       | 23.9      | 0.6       | 13.0      | 0.0      |
| Summary          | 78.2      | 53.7      | 65.9 | 3.6                   | 2.6                   | 2.8                   | 5036                | 4520  | 3790  | 2696  | 1769  | 1448  | 1009                | 1223  | 1588  | 2320  | 18.3                | 102.5     | 340.0     | 2.5       | 47.5      | 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                  | 1.10   | 4.6                 | 2.1     | 0.6     | 0.3     | 0.24                                                                                                                   | 1.00  | 1.74  |  |
| 02                  | 1.29   | 5.1                 | 2.7     | 0.9     | 0.2     | 0.45                                                                                                                   | 0.85  | 2.02  |  |
| 03                  | 1.73   | 5.8                 | 3.1     | 1.2     | 0.4     | 0.84                                                                                                                   | 1.36  | 2.28  |  |
| 04                  | 1.86   | 4.7                 | 3.2     | 1.2     | 0.6     | 0.67                                                                                                                   | 1.57  | 2.44  |  |
| 05                  | 3.21   | 8.0                 | 5.2     | 2.2     | 0.9     | 1.81                                                                                                                   | 2.49  | 3.58  |  |
| 06                  | 3.44   | 6.9                 | 4.9     | 2.6     | 1.1     | 2.01                                                                                                                   | 3.23  | 4.33  |  |
| 07                  | 1.92   | 4.7                 | 2.8     | 1.0     | 0.4     | 0.31                                                                                                                   | 1.45  | 2.42  |  |
| 08                  | 2.53   | 6.0                 | 3.9     | 1.5     | 0.6     | 0.56                                                                                                                   | 1.84  | 4.10  |  |
| 09                  | 2.67   | 5.9                 | 3.7     | 1.8     | 0.8     | 1.03                                                                                                                   | 2.37  | 3.74  |  |
| 10                  | 2.83   | 6.2                 | 3.9     | 1.6     | 0.8     | 1.04                                                                                                                   | 1.87  | 3.35  |  |
| 11                  | 1.40   | 4.5                 | 2.5     | 0.9     | 0.3     | 0.29                                                                                                                   | 0.97  | 2.48  |  |
| 12                  | 1.26   | 4.8                 | 2.6     | 0.9     | 0.2     | 0.41                                                                                                                   | 1.02  | 1.39  |  |
| Summary             | 25.24  | 67.2                | 40.6    | 16.4    | 6.6     | 9.66                                                                                                                   | 20.02 | 33.87 |  |

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

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Summary of Monthly Normals  
1991-2020  
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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         | 0.70             | 0.5                    | 0.2 | 0.1 | 0.0  | 0.0   | 0.3                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.70 |
| 02         | 1.00             | 0.8                    | 0.4 | 0.1 | 0.0  | 0.0   | 0.5                      | 0.2 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 1.10 |
| 03         | 0.10             | 0.2                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 04         | 0.30             | 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             | 0.1                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.70             | 0.3                    | 0.2 | 0.1 | 0.0  | 0.0   | 0.2                      | 0.1 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.50 |
| 12         | 0.90             | 0.5                    | 0.3 | 0.1 | 0.0  | 0.0   | 0.3                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.80 |
| Summary    | 3.7              | 2.4                    | 1.1 | 0.4 | 0.0  | 0.0   | 1.3                      | 0.3 | 0.0 | 0.0 | 0.0                                                                                               | 0.0  | 3.1  |

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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                                      | 242.9 | 310.8 | 568.6 | 780.5 | 1057.1 | 1234.4 | 1387.2 | 1370.0 | 1105.5 | 837.6 | 475.3 | 265.0 |
| 45                                      | 141.9 | 202.8 | 423.9 | 631.9 | 902.1  | 1084.3 | 1232.1 | 1214.9 | 955.5  | 684.2 | 342.2 | 159.5 |
| 50                                      | 72.5  | 117.0 | 291.5 | 485.6 | 747.1  | 934.4  | 1077.1 | 1059.9 | 805.5  | 533.1 | 224.8 | 84.7  |
| 55                                      | 31.9  | 59.9  | 180.4 | 346.5 | 592.7  | 784.4  | 922.2  | 905.0  | 656.0  | 388.8 | 130.9 | 37.7  |
| 60                                      | 10.3  | 25.7  | 97.8  | 222.2 | 441.0  | 634.4  | 767.2  | 750.0  | 507.4  | 256.4 | 64.0  | 13.1  |
| Growing Degree Units for Corn (Monthly) |       |       |       |       |        |        |        |        |        |       |       |       |
| 50/86                                   | 169.3 | 204.2 | 356.5 | 500.6 | 694.9  | 825.4  | 913.2  | 899.6  | 736.2  | 542.2 | 297.5 | 175.5 |

| Growing Degree Units (Accumulated Monthly)          |     |     |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 40                                                  | 243 | 554 | 1122 | 1903 | 2960 | 4194 | 5582 | 6952 | 8057 | 8895 | 9370 | 9635 |
| 45                                                  | 142 | 345 | 769  | 1400 | 2303 | 3387 | 4619 | 5834 | 6789 | 7474 | 7816 | 7975 |
| 50                                                  | 72  | 190 | 481  | 967  | 1714 | 2648 | 3725 | 4785 | 5591 | 6124 | 6349 | 6433 |
| 55                                                  | 32  | 92  | 272  | 619  | 1211 | 1996 | 2918 | 3823 | 4479 | 4868 | 4999 | 5036 |
| 60                                                  | 10  | 36  | 134  | 356  | 797  | 1431 | 2199 | 2949 | 3456 | 3712 | 3776 | 3790 |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |      |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 169 | 374 | 730  | 1231 | 1926 | 2751 | 3664 | 4564 | 5300 | 5842 | 6140 | 6315 |

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.