

Summary of Monthly Normals  
1991-2020

Generated on 06/03/2024

Current Location: Elev: 448 ft. Lat: 32.1633° N Lon: 95.8300° W

Station: ATHENS, TX US USC00410404

| 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               | 57.9      | 34.5      | 46.2 | 3.8                   | 3.4                   | 3.4                   | 31.4                | 22.1  | 12.3  | 3.5   | 0.5   | 0.1   | 303.9               | 356.6 | 439.9 | 586.1 | 0.0                 | 0.0       | 22.5      | 0.6       | 13.5      | 0.0      |
| 02               | 62.0      | 38.5      | 50.2 | 4.6                   | 3.5                   | 3.8                   | 57.7                | 41.7  | 23.6  | 7.3   | 1.8   | 0.7   | 190.6               | 230.6 | 296.6 | 420.3 | 0.0                 | 0.1       | 23.5      | 0.5       | 8.2       | 0.0      |
| 03               | 69.0      | 45.2      | 57.1 | 3.9                   | 4.7                   | 4.0                   | 153.3               | 117.8 | 73.8  | 26.3  | 5.3   | 1.9   | 88.1                | 114.7 | 163.7 | 271.2 | 0.0                 | 0.0       | 29.5      | 0.1       | 2.9       | 0.0      |
| 04               | 76.4      | 53.1      | 64.8 | 2.6                   | 3.5                   | 2.8                   | 307.0               | 254.6 | 182.3 | 86.0  | 28.1  | 15.2  | 14.5                | 22.1  | 39.8  | 93.5  | 0.0                 | 0.2       | 30.0      | 0.0       | 0.2       | 0.0      |
| 05               | 83.2      | 62.6      | 72.9 | 2.5                   | 2.4                   | 2.3                   | 555.7               | 494.5 | 403.8 | 259.8 | 136.1 | 96.3  | 0.8                 | 1.6   | 4.0   | 14.9  | 0.0                 | 3.8       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 90.1      | 70.3      | 80.2 | 2.8                   | 1.9                   | 2.0                   | 755.7               | 695.8 | 605.9 | 456.2 | 307.2 | 248.9 | 0.0                 | 0.0   | 0.0   | 0.3   | 0.3                 | 17.2      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 94.1      | 72.6      | 83.3 | 2.9                   | 1.7                   | 2.1                   | 878.8               | 816.8 | 723.8 | 568.8 | 414.0 | 352.3 | 0.0                 | 0.0   | 0.0   | 0.0   | 2.8                 | 26.1      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 95.1      | 72.3      | 83.7 | 3.6                   | 2.1                   | 2.5                   | 889.3               | 827.4 | 734.5 | 579.6 | 424.6 | 362.8 | 0.0                 | 0.0   | 0.0   | 0.0   | 5.2                 | 26.0      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 89.2      | 65.7      | 77.4 | 3.4                   | 2.4                   | 2.3                   | 673.4               | 613.5 | 523.7 | 376.1 | 238.1 | 187.0 | 0.1                 | 0.1   | 0.3   | 2.7   | 1.1                 | 15.7      | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 79.1      | 54.6      | 66.8 | 2.6                   | 2.9                   | 2.1                   | 380.4               | 324.9 | 246.9 | 135.8 | 59.4  | 38.9  | 13.0                | 19.6  | 34.6  | 78.4  | 0.0                 | 2.8       | 30.8      | 0.0       | 0.4       | 0.0      |
| 11               | 67.6      | 44.1      | 55.9 | 4.1                   | 4.1                   | 3.8                   | 132.5               | 101.4 | 63.3  | 22.9  | 6.2   | 3.1   | 106.8               | 135.7 | 187.7 | 297.4 | 0.0                 | 0.0       | 27.6      | 0.0       | 4.4       | 0.0      |
| 12               | 59.3      | 36.5      | 47.9 | 3.1                   | 3.1                   | 2.6                   | 45.7                | 33.2  | 19.4  | 6.4   | 1.2   | 0.5   | 265.5               | 315.1 | 394.3 | 536.4 | 0.0                 | 0.0       | 24.8      | 0.2       | 11.9      | 0.0      |
| Summary          | 76.9      | 54.2      | 65.5 | 3.3                   | 3.0                   | 2.8                   | 4861                | 4344  | 3613  | 2529  | 1622  | 1308  | 983                 | 1196  | 1561  | 2301  | 9.4                 | 91.9      | 341.7     | 1.4       | 41.5      | 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                  | 3.54   | 7.2                 | 5.0     | 2.5     | 1.0     | 1.58                                                                                                                   | 3.11  | 5.04  |  |
| 02                  | 3.88   | 7.5                 | 5.4     | 2.3     | 1.2     | 1.90                                                                                                                   | 3.45  | 4.85  |  |
| 03                  | 4.08   | 8.0                 | 5.7     | 2.8     | 1.4     | 2.52                                                                                                                   | 3.70  | 4.88  |  |
| 04                  | 3.82   | 6.2                 | 4.8     | 2.8     | 1.4     | 1.75                                                                                                                   | 3.20  | 5.65  |  |
| 05                  | 4.30   | 7.2                 | 5.4     | 2.8     | 1.4     | 2.12                                                                                                                   | 3.28  | 6.09  |  |
| 06                  | 4.09   | 6.7                 | 5.2     | 2.7     | 1.3     | 2.62                                                                                                                   | 3.49  | 5.84  |  |
| 07                  | 2.53   | 4.5                 | 3.0     | 1.5     | 0.7     | 0.69                                                                                                                   | 1.74  | 3.42  |  |
| 08                  | 2.64   | 4.8                 | 3.3     | 1.5     | 1.0     | 0.57                                                                                                                   | 2.51  | 3.90  |  |
| 09                  | 2.97   | 4.9                 | 3.3     | 1.7     | 0.9     | 1.04                                                                                                                   | 1.72  | 5.22  |  |
| 10                  | 5.09   | 6.5                 | 4.7     | 2.9     | 1.7     | 2.72                                                                                                                   | 3.60  | 5.99  |  |
| 11                  | 3.49   | 6.7                 | 4.7     | 2.3     | 1.2     | 1.94                                                                                                                   | 2.62  | 3.86  |  |
| 12                  | 4.32   | 7.5                 | 5.5     | 2.5     | 1.3     | 2.16                                                                                                                   | 3.83  | 6.20  |  |
| Summary             | 44.75  | 77.7                | 56.0    | 28.3    | 14.5    | 21.61                                                                                                                  | 36.25 | 60.94 |  |

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

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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                                      | 236.2 | 309.1 | 536.0 | 742.6 | 1019.9 | 1205.9 | 1343.8 | 1354.5 | 1123.4 | 832.6 | 482.0 | 275.4 |
| 45                                      | 136.9 | 200.3 | 391.5 | 593.2 | 864.9  | 1055.8 | 1188.8 | 1199.4 | 973.4  | 678.5 | 347.2 | 166.8 |
| 50                                      | 70.2  | 116.1 | 261.1 | 446.6 | 709.9  | 905.7  | 1033.8 | 1044.3 | 823.3  | 526.5 | 228.0 | 91.4  |
| 55                                      | 31.4  | 57.7  | 153.3 | 307.0 | 555.7  | 755.7  | 878.8  | 889.3  | 673.4  | 380.4 | 132.5 | 45.7  |
| 60                                      | 12.3  | 23.6  | 73.8  | 182.3 | 403.8  | 605.9  | 723.8  | 734.5  | 523.7  | 246.9 | 63.3  | 19.4  |
| Growing Degree Units for Corn (Monthly) |       |       |       |       |        |        |        |        |        |       |       |       |
| 50/86                                   | 157.6 | 198.2 | 333.1 | 478.8 | 695.9  | 834.5  | 905.8  | 899.8  | 754.0  | 542.5 | 300.1 | 175.4 |

| Growing Degree Units (Accumulated Monthly)          |     |     |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 40                                                  | 236 | 545 | 1081 | 1824 | 2844 | 4050 | 5394 | 6748 | 7871 | 8704 | 9186 | 9461 |
| 45                                                  | 137 | 337 | 729  | 1322 | 2187 | 3243 | 4431 | 5631 | 6604 | 7283 | 7630 | 7797 |
| 50                                                  | 70  | 186 | 447  | 894  | 1604 | 2510 | 3543 | 4588 | 5411 | 5938 | 6166 | 6257 |
| 55                                                  | 31  | 89  | 242  | 549  | 1105 | 1861 | 2740 | 3629 | 4302 | 4683 | 4815 | 4861 |
| 60                                                  | 12  | 36  | 110  | 292  | 696  | 1302 | 2025 | 2760 | 3284 | 3531 | 3594 | 3613 |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |      |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 158 | 356 | 689  | 1168 | 1864 | 2698 | 3604 | 4504 | 5258 | 5800 | 6100 | 6276 |

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.