

Summary of Monthly Normals  
1991-2020

Generated on 05/20/2024

Current Location: Elev: 5 ft. Lat: 30.2492° N Lon: 85.6606° W  
Station: PANAMA CITY 5N, FL US USC00086842

| 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               | 64.4      | 42.6      | 53.5 | 3.3                   | 4.6                   | 3.9                   | 94.5                | 70.3  | 41.8  | 12.8  | 1.7   | 0.5   | 140.7               | 178.6 | 243.1 | 369.2 | 0.0                 | 0.0       | 28.7      | 0.0       | 7.5       | 0.0      |
| 02               | 67.4      | 46.0      | 56.7 | 4.5                   | 4.4                   | 4.2                   | 119.4               | 89.2  | 52.8  | 15.8  | 2.4   | 0.8   | 71.7                | 97.6  | 145.1 | 248.2 | 0.0                 | 0.0       | 26.9      | 0.0       | 3.0       | 0.0      |
| 03               | 72.9      | 51.5      | 62.2 | 3.4                   | 4.3                   | 3.6                   | 248.7               | 200.0 | 136.0 | 55.3  | 12.2  | 4.6   | 25.5                | 38.8  | 67.8  | 142.1 | 0.0                 | 0.0       | 30.8      | 0.0       | 0.8       | 0.0      |
| 04               | 78.7      | 57.8      | 68.2 | 2.1                   | 3.2                   | 2.6                   | 399.4               | 341.5 | 258.0 | 135.1 | 47.4  | 25.9  | 1.8                 | 3.9   | 10.4  | 37.5  | 0.0                 | 0.0       | 30.0      | 0.0       | 0.0       | 0.0      |
| 05               | 85.3      | 65.6      | 75.5 | 2.0                   | 2.4                   | 1.9                   | 633.9               | 572.0 | 479.3 | 326.9 | 183.9 | 133.5 | 0.0                 | 0.1   | 0.4   | 3.0   | 0.0                 | 3.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 89.3      | 72.9      | 81.1 | 1.5                   | 1.4                   | 1.2                   | 782.8               | 722.9 | 632.9 | 482.9 | 333.0 | 273.3 | 0.0                 | 0.0   | 0.0   | 0.0   | 0.1                 | 11.7      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 91.1      | 75.0      | 83.0 | 1.6                   | 0.9                   | 1.1                   | 869.5               | 807.5 | 714.5 | 559.5 | 404.5 | 342.6 | 0.0                 | 0.0   | 0.0   | 0.0   | 0.1                 | 18.0      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 90.9      | 74.7      | 82.8 | 2.1                   | 1.2                   | 1.4                   | 861.7               | 799.7 | 706.8 | 551.8 | 396.8 | 334.8 | 0.0                 | 0.0   | 0.0   | 0.0   | 0.1                 | 19.0      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 89.0      | 71.1      | 80.1 | 1.9                   | 1.6                   | 1.6                   | 751.2               | 691.3 | 601.4 | 451.4 | 303.6 | 245.8 | 0.0                 | 0.0   | 0.0   | 0.1   | 0.0                 | 13.0      | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 82.2      | 61.2      | 71.7 | 1.7                   | 2.8                   | 2.1                   | 519.5               | 459.3 | 371.4 | 234.9 | 118.6 | 81.4  | 1.9                 | 3.6   | 8.7   | 27.2  | 0.0                 | 2.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 11               | 73.3      | 50.1      | 61.7 | 3.0                   | 3.5                   | 3.1                   | 232.6               | 187.8 | 128.7 | 55.3  | 17.4  | 9.5   | 31.4                | 46.6  | 77.5  | 154.2 | 0.0                 | 0.0       | 29.9      | 0.0       | 1.0       | 0.0      |
| 12               | 66.5      | 45.1      | 55.8 | 3.1                   | 4.1                   | 3.5                   | 129.7               | 99.6  | 62.5  | 20.9  | 3.3   | 1.3   | 104.8               | 136.7 | 192.6 | 306.1 | 0.0                 | 0.0       | 29.2      | 0.0       | 4.1       | 0.0      |
| Summary          | 79.2      | 59.5      | 69.4 | 2.5                   | 2.9                   | 2.5                   | 5643                | 5041  | 4186  | 2903  | 1825  | 1454  | 378                 | 506   | 746   | 1288  | 0.3                 | 67.3      | 359.5     | 0.0       | 16.4      | 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                  | 4.79   | 8.7                 | 6.5     | 2.9     | 1.4     | 2.40                                                                                                                   | 4.22  | 6.02  |
| 02                  | 4.95   | 7.6                 | 5.9     | 3.2     | 1.8     | 3.10                                                                                                                   | 4.19  | 5.85  |
| 03                  | 5.03   | 6.9                 | 5.6     | 3.0     | 1.7     | 3.04                                                                                                                   | 4.78  | 7.61  |
| 04                  | 4.09   | 6.0                 | 4.6     | 2.4     | 1.4     | 1.65                                                                                                                   | 3.36  | 5.14  |
| 05                  | 3.31   | 5.4                 | 4.2     | 2.1     | 1.0     | 1.63                                                                                                                   | 2.37  | 4.73  |
| 06                  | 5.82   | 10.8                | 8.6     | 3.7     | 1.9     | 4.49                                                                                                                   | 5.31  | 7.42  |
| 07                  | 7.41   | 12.4                | 9.4     | 4.8     | 2.7     | 4.94                                                                                                                   | 6.21  | 9.45  |
| 08                  | 7.44   | 13.6                | 10.5    | 5.5     | 2.5     | 4.62                                                                                                                   | 7.23  | 9.28  |
| 09                  | 6.98   | 9.6                 | 7.4     | 3.6     | 1.8     | 4.74                                                                                                                   | 6.18  | 7.54  |
| 10                  | 3.45   | 5.6                 | 4.1     | 2.3     | 1.1     | 2.07                                                                                                                   | 3.19  | 4.54  |
| 11                  | 3.70   | 5.7                 | 4.2     | 2.3     | 1.3     | 2.35                                                                                                                   | 3.41  | 4.56  |
| 12                  | 4.30   | 7.9                 | 6.1     | 2.8     | 1.2     | 2.97                                                                                                                   | 3.60  | 5.65  |
| Summary             | 61.27  | 100.2               | 77.1    | 38.6    | 19.8    | 38.00                                                                                                                  | 54.05 | 77.79 |

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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         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 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    | 0.0              | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.0                                                                                               | 0.0  | 0.0  |

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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                                      | 426.5 | 469.4 | 688.5 | 847.5 | 1098.9 | 1233.0 | 1334.5 | 1326.8 | 1201.5 | 982.7 | 651.1 | 493.8 |
| 45                                      | 290.5 | 335.9 | 534.8 | 697.6 | 943.9  | 1082.9 | 1179.5 | 1171.8 | 1051.4 | 827.8 | 502.6 | 351.4 |
| 50                                      | 177.4 | 215.1 | 384.8 | 547.6 | 788.9  | 932.9  | 1024.5 | 1016.7 | 901.3  | 673.1 | 359.9 | 227.0 |
| 55                                      | 94.5  | 119.4 | 248.7 | 399.4 | 633.9  | 782.8  | 869.5  | 861.7  | 751.2  | 519.5 | 232.6 | 129.7 |
| 60                                      | 41.8  | 52.8  | 136.0 | 258.0 | 479.3  | 632.9  | 714.5  | 706.8  | 601.4  | 371.4 | 128.7 | 62.5  |
| Growing Degree Units for Corn (Monthly) |       |       |       |       |        |        |        |        |        |       |       |       |
| 50/86                                   | 255.9 | 277.5 | 427.3 | 557.2 | 768.0  | 876.9  | 942.2  | 936.5  | 843.5  | 669.5 | 409.1 | 297.0 |

| Growing Degree Units (Accumulated Monthly)          |     |     |      |      |      |      |      |      |      |      |       |       |
|-----------------------------------------------------|-----|-----|------|------|------|------|------|------|------|------|-------|-------|
| 40                                                  | 426 | 896 | 1584 | 2432 | 3531 | 4764 | 6098 | 7425 | 8627 | 9609 | 10260 | 10754 |
| 45                                                  | 290 | 626 | 1161 | 1859 | 2803 | 3886 | 5065 | 6237 | 7288 | 8116 | 8619  | 8970  |
| 50                                                  | 177 | 392 | 777  | 1325 | 2114 | 3047 | 4071 | 5088 | 5989 | 6662 | 7022  | 7249  |
| 55                                                  | 94  | 214 | 463  | 862  | 1496 | 2279 | 3148 | 4010 | 4761 | 5281 | 5513  | 5643  |
| 60                                                  | 42  | 95  | 231  | 489  | 968  | 1601 | 2315 | 3022 | 3624 | 3995 | 4124  | 4186  |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |      |      |      |      |      |      |      |      |       |       |
| 50/86                                               | 256 | 533 | 961  | 1518 | 2286 | 3163 | 4105 | 5042 | 5885 | 6554 | 6964  | 7261  |

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