

Summary of Monthly Normals  
1991-2020

Generated on 04/28/2024

Current Location: Elev: 2957 ft. Lat: 48.3042° N Lon: 114.2636° W

Station: KALISPELL GLACIER AP, MT US USC00244558

| 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               | 31.0      | 16.3      | 23.7 | 4.1                   | 5.5                   | 4.7                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 971.8               | 1033.8 | 1126.8 | 1281.8 | 0.0                 | 0.0       | 0.1       | 15.0      | 29.2      | 3.8      |
| 02               | 35.5      | 18.1      | 26.8 | 5.1                   | 5.8                   | 5.3                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 789.5               | 845.6  | 929.6  | 1069.6 | 0.0                 | 0.0       | 1.0       | 8.0       | 26.5      | 2.4      |
| 03               | 45.1      | 24.0      | 34.5 | 4.3                   | 3.4                   | 3.6                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 634.0               | 696.0  | 789.0  | 944.0  | 0.0                 | 0.0       | 9.9       | 2.3       | 26.6      | 0.4      |
| 04               | 55.0      | 30.5      | 42.7 | 3.2                   | 1.9                   | 2.3                   | 2.3                 | 1.0   | 0.1   | 0.0  | 0.0  | 0.0 | 369.8               | 428.5  | 517.6  | 667.5  | 0.0                 | 0.0       | 22.1      | 0.2       | 18.0      | 0.0      |
| 05               | 65.1      | 38.1      | 51.6 | 3.5                   | 2.0                   | 2.5                   | 41.3                | 25.2  | 10.3  | 1.3  | 0.1  | 0.0 | 146.7               | 192.6  | 270.7  | 416.8  | 0.0                 | 0.1       | 29.8      | 0.0       | 6.3       | 0.0      |
| 06               | 71.2      | 44.0      | 57.6 | 3.7                   | 1.8                   | 2.4                   | 116.3               | 80.9  | 43.5  | 11.8 | 1.9  | 0.8 | 38.2                | 62.9   | 115.4  | 233.7  | 0.0                 | 0.8       | 29.6      | 0.0       | 0.7       | 0.0      |
| 07               | 82.2      | 47.6      | 64.9 | 4.7                   | 2.1                   | 3.0                   | 310.0               | 252.7 | 174.1 | 71.8 | 17.3 | 8.0 | 3.2                 | 7.9    | 22.3   | 75.0   | 0.1                 | 6.2       | 31.0      | 0.0       | 0.1       | 0.0      |
| 08               | 81.7      | 45.7      | 63.7 | 3.1                   | 2.4                   | 2.1                   | 277.3               | 222.0 | 146.9 | 54.5 | 10.8 | 4.3 | 7.7                 | 14.4   | 32.3   | 94.8   | 0.1                 | 6.1       | 31.0      | 0.0       | 0.3       | 0.0      |
| 09               | 70.4      | 38.3      | 54.3 | 3.6                   | 2.5                   | 2.3                   | 72.7                | 48.4  | 23.4  | 4.0  | 0.1  | 0.0 | 92.3                | 127.9  | 192.9  | 323.5  | 0.0                 | 0.5       | 29.6      | 0.0       | 4.8       | 0.0      |
| 10               | 54.1      | 29.1      | 41.6 | 3.0                   | 3.1                   | 2.6                   | 2.9                 | 1.0   | 0.2   | 0.0  | 0.0  | 0.0 | 418.2               | 478.4  | 570.6  | 725.3  | 0.0                 | 0.0       | 22.3      | 0.7       | 19.7      | 0.2      |
| 11               | 39.4      | 23.5      | 31.4 | 3.5                   | 3.5                   | 3.3                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 706.5               | 766.5  | 856.5  | 1006.5 | 0.0                 | 0.0       | 3.9       | 5.6       | 25.4      | 0.5      |
| 12               | 31.0      | 17.2      | 24.1 | 3.9                   | 4.9                   | 4.3                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 957.7               | 1019.8 | 1112.8 | 1267.8 | 0.0                 | 0.0       | 0.2       | 16.3      | 29.7      | 2.4      |
| Summary          | 55.1      | 31.0      | 43.1 | 3.8                   | 3.2                   | 3.2                   | 823                 | 631   | 398   | 143  | 30   | 13  | 5136                | 5674   | 6537   | 8106   | 0.2                 | 13.7      | 210.5     | 48.1      | 187.3     | 9.7      |

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                  | 1.40   | 14.2                | 4.9     | 0.2     | 0.0     | 1.03                                                                                                                   | 1.35  | 1.74  |  |
| 02                  | 0.96   | 11.4                | 3.5     | 0.1     | 0.0     | 0.49                                                                                                                   | 1.01  | 1.28  |  |
| 03                  | 1.11   | 12.4                | 3.8     | 0.1     | 0.0     | 0.66                                                                                                                   | 0.95  | 1.53  |  |
| 04                  | 1.34   | 11.3                | 4.5     | 0.3     | 0.0     | 0.90                                                                                                                   | 1.28  | 1.67  |  |
| 05                  | 1.84   | 12.0                | 5.6     | 0.8     | 0.0     | 1.18                                                                                                                   | 1.65  | 2.35  |  |
| 06                  | 2.84   | 12.7                | 7.2     | 1.5     | 0.3     | 1.56                                                                                                                   | 2.76  | 3.57  |  |
| 07                  | 1.14   | 6.7                 | 3.2     | 0.4     | 0.1     | 0.38                                                                                                                   | 0.83  | 1.48  |  |
| 08                  | 0.76   | 6.4                 | 2.3     | 0.2     | 0.0     | 0.30                                                                                                                   | 0.70  | 1.16  |  |
| 09                  | 1.17   | 7.6                 | 3.6     | 0.4     | 0.0     | 0.57                                                                                                                   | 1.16  | 1.59  |  |
| 10                  | 1.35   | 10.5                | 4.8     | 0.4     | 0.0     | 0.83                                                                                                                   | 1.17  | 1.55  |  |
| 11                  | 1.35   | 12.2                | 4.5     | 0.3     | 0.0     | 0.68                                                                                                                   | 1.16  | 1.70  |  |
| 12                  | 1.50   | 14.3                | 5.1     | 0.2     | 0.0     | 1.00                                                                                                                   | 1.32  | 2.01  |  |
| Summary             | 16.76  | 131.7               | 53.0    | 4.9     | 0.4     | 9.58                                                                                                                   | 15.34 | 21.63 |  |

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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         | 13.90            | 10.3                   | 4.8  | 1.3 | 0.4  | 0.1   | 24.9                     | 18.4 | 14.9 | 7.6  | 10.50                                                                                             | 11.70 | 15.60 |
| 02         | 8.40             | 8.0                    | 3.5  | 0.6 | 0.3  | 0.1   | 17.4                     | 12.1 | 9.6  | 5.1  | 2.50                                                                                              | 6.20  | 10.40 |
| 03         | 5.40             | 4.0                    | 2.0  | 0.5 | 0.2  | 0.0   | 8.6                      | 6.0  | 4.7  | 3.7  | 0.90                                                                                              | 2.50  | 8.90  |
| 04         | 1.20             | 1.6                    | 0.6  | 0.0 | 0.0  | 0.0   | 0.4                      | 0.0  | 0.0  | 0.0  | 0.00                                                                                              | 0.80  | 1.30  |
| 05         | 0.20             | 0.2                    | 0.0  | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0  | 0.00                                                                                              | 0.00  | 0.00  |
| 06         | 0.30             | 0.1                    | 0.1  | 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         | 1.10             | 0.9                    | 0.4  | 0.1 | 0.0  | 0.0   | 0.8                      | 0.5  | 0.1  | 0.0  | 0.00                                                                                              | 0.00  | 1.30  |
| 11         | 8.00             | 5.5                    | 2.8  | 0.8 | 0.2  | 0.0   | 5.4                      | 2.4  | 1.5  | 0.5  | 1.90                                                                                              | 5.70  | 10.60 |
| 12         | 15.90            | 10.8                   | 5.4  | 1.5 | 0.7  | 0.1   | 17.2                     | 10.6 | 8.4  | 3.6  | 8.70                                                                                              | 14.60 | 22.10 |
| Summary    | 54.4             | 41.4                   | 19.6 | 4.8 | 1.8  | 0.3   | 74.7                     | 50.0 | 39.2 | 20.5 | 24.5                                                                                              | 41.5  | 70.2  |

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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                                      | 0.4 | 2.1 | 20.6 | 120.2 | 361.7 | 528.2 | 771.6 | 734.5 | 432.1 | 119.2 | 14.1 | 1.2 |
| 45                                      | 0.0 | 0.1 | 2.8  | 44.1  | 220.0 | 379.1 | 616.7 | 579.8 | 289.3 | 50.2  | 2.8  | 0.1 |
| 50                                      | 0.0 | 0.0 | 0.1  | 12.7  | 109.1 | 235.8 | 462.0 | 425.8 | 163.7 | 15.8  | 0.4  | 0.0 |
| 55                                      | 0.0 | 0.0 | 0.0  | 2.3   | 41.3  | 116.3 | 310.0 | 277.3 | 72.7  | 2.9   | 0.0  | 0.0 |
| 60                                      | 0.0 | 0.0 | 0.0  | 0.1   | 10.3  | 43.5  | 174.1 | 146.9 | 23.4  | 0.2   | 0.0  | 0.0 |
| Growing Degree Units for Corn (Monthly) |     |     |      |       |       |       |       |       |       |       |      |     |
| 50/86                                   | 0.1 | 2.0 | 23.2 | 96.5  | 236.8 | 321.3 | 492.2 | 481.2 | 306.7 | 97.4  | 7.0  | 0.2 |

| Growing Degree Units (Accumulated Monthly)          |   |   |    |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|---|----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 0 | 2 | 23 | 143 | 505 | 1033 | 1805 | 2539 | 2971 | 3091 | 3105 | 3106 |
| 45                                                  | 0 | 0 | 3  | 47  | 267 | 646  | 1263 | 1843 | 2132 | 2182 | 2185 | 2185 |
| 50                                                  | 0 | 0 | 0  | 13  | 122 | 358  | 820  | 1246 | 1409 | 1425 | 1425 | 1425 |
| 55                                                  | 0 | 0 | 0  | 2   | 44  | 160  | 470  | 747  | 820  | 823  | 823  | 823  |
| 60                                                  | 0 | 0 | 0  | 0   | 10  | 54   | 228  | 375  | 398  | 398  | 398  | 398  |
| Growing Degree Units for Corn (Monthly Accumulated) |   |   |    |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 0 | 2 | 25 | 122 | 359 | 680  | 1172 | 1653 | 1960 | 2057 | 2064 | 2065 |

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.