

Denver Monthly Weather Summary February 2025

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

Issued: 2/1/2025



Monthly Overview

February 2025



Rime Ice on the morning of February 18th

February started out mild and dry the first week of the month as a dry zonal flow aloft was over the state. Six out of the first seven days saw above normal temperatures at DIA with no measurable precipitation. A pattern change during the middle of the month brought much colder temperatures and some snow to the Denver area. An Arctic air mass that moved across Northeastern Colorado brought very cold temperatures from the evening of the 10th through the morning of the 13th. Daytime temperatures barely climbed out of the single digits during this period with overnight sub zero temperatures. A secondary Arctic air mass brought similar conditions from the evening of the 17th through the morning of the 19th. The month turned drier and much warmer the final week of the month as upper level high pressure re established itself over the Rocky Mountain Region.





Monthly Temperature Data (February)

- Temperatures were below normal in Denver this month. Denver's mean temperature was 31.2 °F, which is 1.5 °F below normal.
- The highest temperature for the month was 70 °F on the 25th, and the lowest temperature was -7 °F which occurred on the 19th.
- The low of -7°F on February 19th set a new record low for the date. The previous record of -4 °F was set back in 2006.

| Temperature | Observed | Normal | Departure |
|--------------|----------|--------|-----------|
| Average High | 46.0 | 45.7 | 0.3 |
| Average Low | 16.4 | 19.7 | -3.3 |
| Average Mean | 31.2 | 32.7 | -1.5 |

Temperature Records set this Month:

| Date | Type | Observed | Previous Record (Year) |
|------|------|----------|------------------------|
| 2/19 | Low | -7 | 2006 |





Monthly Precipitation/Snowfall (February)

- 0.22" of precipitation was measured at Denver International Airport which is 0.22" below the normal of 0.41"
- 5.5" of snow was observed, which is -2.1" below the normal February snowfall
- 5.5" of snowfall was measured during the month which is 2.1" below the normal of 7.6"
- No precipitation records were observed this month

| Precipitation | Observed | Normal | Departure |
|----------------------------|----------|--------|-----------|
| Total Precipitation | 0.22" | 0.41" | -0.19" |
| # of Days w/ Measurable | 7 | 6 | +1 |

| Snowfall | Observed | Normal | Departure |
|----------------|----------|--------|-----------|
| Total Snowfall | 5.5" | 7.6" | -2.1" |

Precipitation Records set this Month:

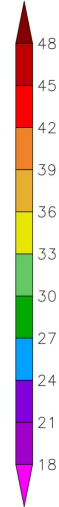
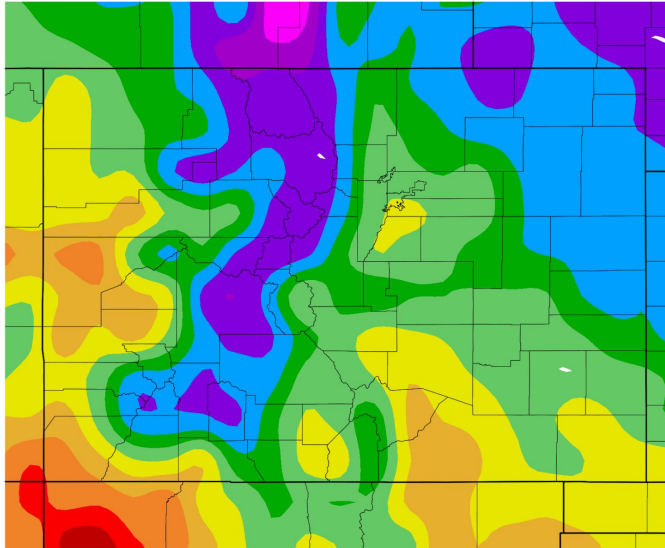
| Date | Type | Observed | Previous Record (Year) |
|---------------------------|------|----------|------------------------|
| No Records Set this Month | | | |



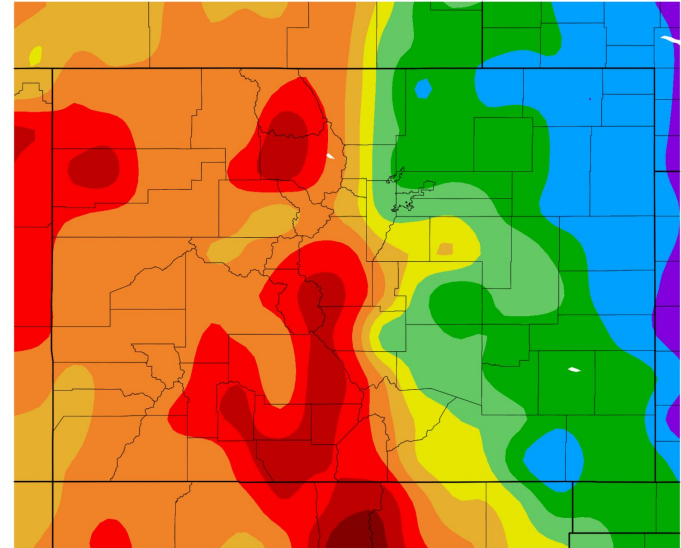


Statewide Temperature February 2025

Temperature (F)
2/1/2025 - 2/28/2025



Departure from Normal Temperature (F)
2/1/2025 - 2/28/2025



Generated 3/2/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 3/2/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers :





Top 10 Hi/Low Temperature Years

Average Temperatures for the Month of February (Records since 1872)

Top Ten Warmest

| Rank | Temperature (°F) | Year(s) |
|------|------------------|---------|
| 1 | 43.7 | 1954 |
| 2 | 42.3 | 1930 |
| 3 | 41.0 | 1925 |
| 4 | 40.7 | 1957 |
| 5 | 40.5 | 1943 |
| 6 | 40.3 | 2017 |
| | 40.3 | 1991 |
| | 40.3 | 1907 |
| 9 | 40.1 | 1992 |
| | 40.1 | 1904 |

Top Ten Coldest

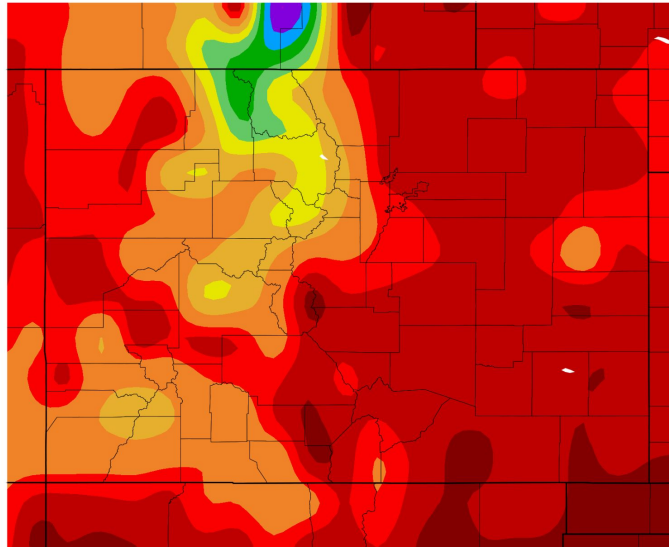
| Rank | Temperature (°F) | Year(s) |
|------|------------------|---------|
| 1 | 17.7 | 1899 |
| 2 | 21.8 | 1913 |
| 3 | 22.2 | 1883 |
| 4 | 22.3 | 1989 |
| 5 | 22.7 | 1903 |
| 6 | 23.6 | 1929 |
| 7 | 24.1 | 1942 |
| 8 | 24.8 | 1960 |
| 9 | 24.9 | 1894 |
| 10 | 25.2 | 1905 |



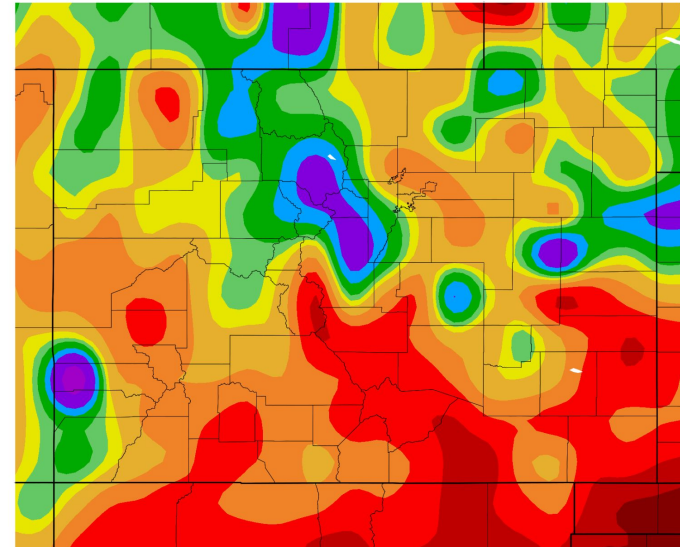


Statewide Precipitation February 2025

Precipitation (in)
2/1/2025 - 2/28/2025



Percent of Normal Precipitation (%)
2/1/2025 - 2/28/2025



Generated 3/2/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers s

Generated 3/2/2025 at HPRCC using provisional data.

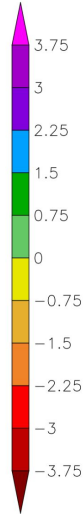
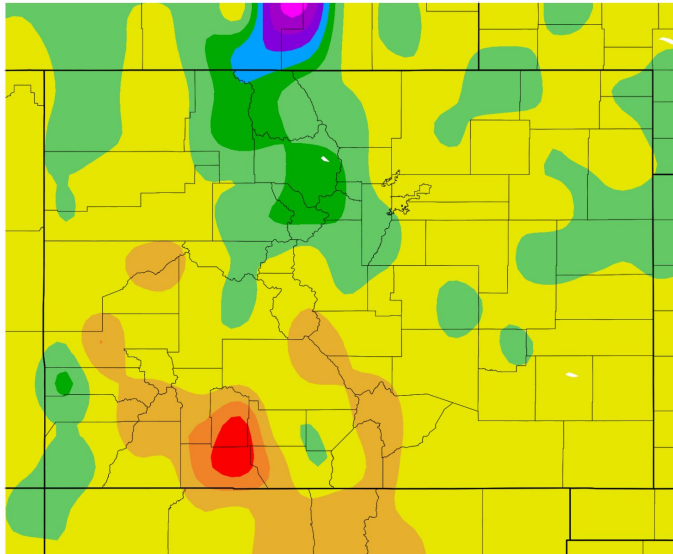
NOAA Regional Climate Centers



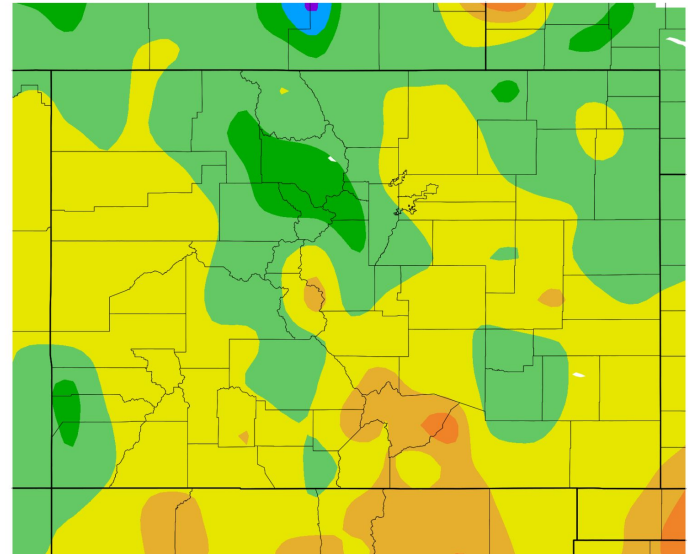


Statewide Precipitation February 2025

Departure from Normal Precipitation (in)
2/1/2025 - 2/28/2025



Monthly SPI
2/1/2025 - 2/28/2025



Generated 3/2/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 3/2/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers





Top 10 Hi/Low Precipitation Years

Precipitation during the month of February (Records since 1872)

Top Ten **Wettest**

| Rank | Precipitation (in.) | Year(s) |
|------|---------------------|---------|
| 1 | 2.01" | 1934 |
| 2 | 1.66" | 1960 |
| 3 | 1.46" | 2024 |
| 4 | 1.44" | 1942 |
| 5 | 1.39" | 1953 |
| 6 | 1.35" | 1909 |
| 7 | 1.34" | 1912 |
| 8 | 1.31" | 1959 |
| 9 | 1.28" | 1966 |
| | 1.28" | 1939 |

Top Ten **Driest**

| Rank | Precipitation (in.) | Year(s) |
|------|---------------------|---------|
| 1 | 0.01" | 1883 |
| 2 | 0.02" | 1877 |
| 3 | 0.03" | 1891 |
| 4 | 0.04" | 1949 |
| | 0.04" | 1948 |
| | 0.04" | 1962 |
| | 0.04" | 1973 |
| 8 | 0.06" | 1959 |
| | 0.06" | 1992 |
| 10 | 0.07" | 1989 |





Top 10 Hi/Low Snowfall Years

Snowfall during the month of February (Records since 1882)

Top Ten Snowiest

| Rank | Snowfall (in.) | Year(s) |
|------|----------------|---------|
| 1 | 22.4" | 2015 |
| 2 | 22.1" | 1912 |
| 3 | 20.2" | 2012 |
| 4 | 19.5" | 1942 |
| 5 | 18.3" | 1960 |
| | 18.3" | 1909 |
| 7 | 18.0" | 1931 |
| 8 | 17.5" | 1959 |
| 9 | 17.1" | 1965 |
| 10 | 16.9" | 1993 |

Top Ten Least Snowiest

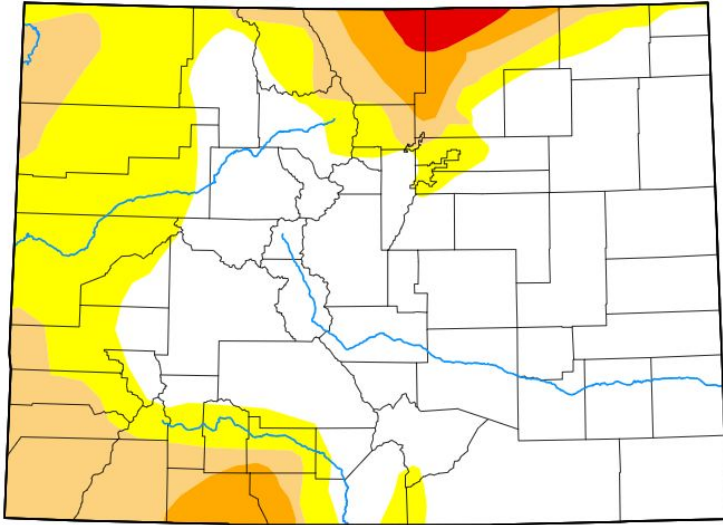
| Rank | Precipitation (in.) | Year(s) |
|------|---------------------|------------|
| 1 | T | 2009 |
| 2 | 0.3" | 1992 |
| | 0.3" | 1970 |
| 4 | 0.5" | 2005 |
| 5 | 0.6" | 1954 |
| | 0.6" | 1925 |
| 7 | 0.8" | 1991 |
| | 0.8" | 1983 |
| 9 | 1.0" | 1943 |
| 10 | 1.1" | 1908, 1906 |



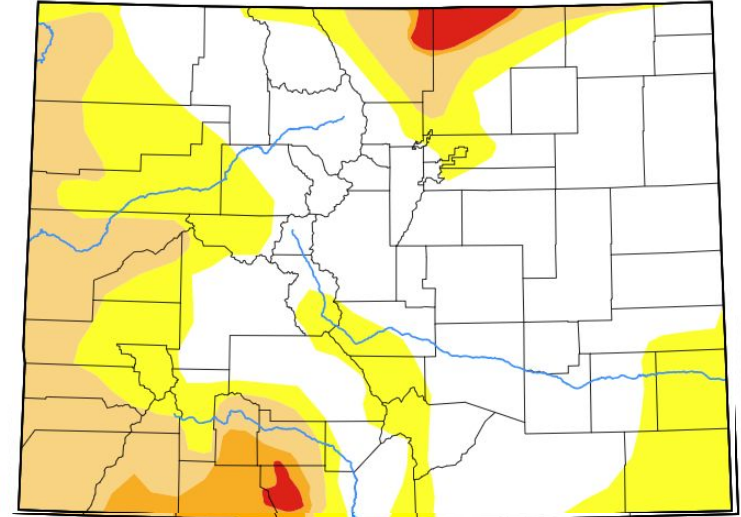


Drought Conditions Colorado

January 30, 2025



February 27, 2025



Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)

There was little change in Drought conditions across North Central & Northeastern Colorado. Drought conditions persisted across the northern I-25 corridor, but improved over portions of Metro Denver, the Foothills & the Northern Mountains. As of February 27th, the worst conditions were over the plains of Larimer & Weld counties near the Wyoming & Nebraska border.





Drastic Snowfall Gradient Between Denver and the Southern Foothills

On February 21st, there was quite the gradient in snowfall between Denver Metro and the Southern Foothills. Here's a map of all of the reports we received. A CoCoRaHS observer near Conifer reported 21", while only 0.6" was measured at the official measuring site at Denver International Airport. Only ~40 miles separates these two spots!

