



Denver Monthly Climate Summary December 2024

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

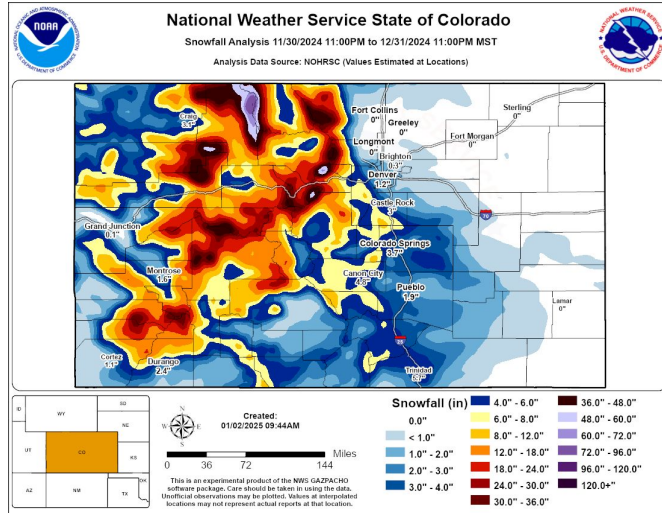
Issued: 1/2/2025



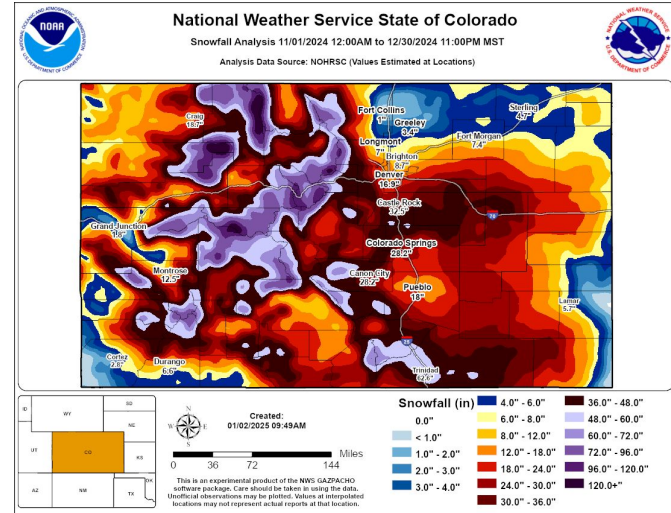
Monthly Overview

December 2024

December Snowfall 2024



November Snowfall 2024



After a wet and snowy November across much of the area, December was dry with well below normal snow, especially from the foothills across the plains. Total precipitation for Denver was .04" which was the 8th driest on record for the month of December. Temperatures were well above normal as the Monthly Mean Temperature of 39.4 degrees was the 9th Warmest on record for Denver.



Monthly Temperature Data (December)

- Temperatures were above normal in Denver this month. Denver's mean temperature was 39.4°F, which is 8.3°F above normal.
- The highest temperature for the month was 68°F on the 20th, and the lowest temperature was 11°F which occurred on the 10th.
- The only temperature record broken was the warmest minimum on the 22nd of 43°.

| Temperature | Observed | Normal | Departure |
|--------------|----------|--------|-----------|
| Average High | 53.7 | 44.0 | +9.7 |
| Average Low | 25.1 | 18.4 | +6.7 |
| Average Mean | 39.4 | 31.2 | +8.3 |

Temperature Records set this Month:

| Date | Type | Observed | Previous Record (Year) |
|------------|--------------|----------|------------------------|
| 12/22/2024 | High Minimum | 43° | 41° (2005) |





Monthly Precipitation/Snowfall (December)

- Precipitation was 0.31" below normal in Denver this month
- 1.4" of snow was observed, which is 5.2" below the normal December snowfall
- No precipitation records were observed this month

| Precipitation | Observed | Normal | Departure |
|-------------------------|----------|--------|-----------|
| Total Precipitation | 0.04" | 0.35" | -0.31" |
| # of Days w/ Measurable | 1 | 5 | -4 |

| Snowfall | Observed | Normal | Departure |
|----------------|----------|--------|-----------|
| Total Snowfall | 1.4" | 6.6" | -5.2" |

Precipitation Records set this Month:

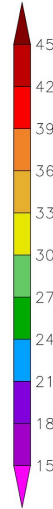
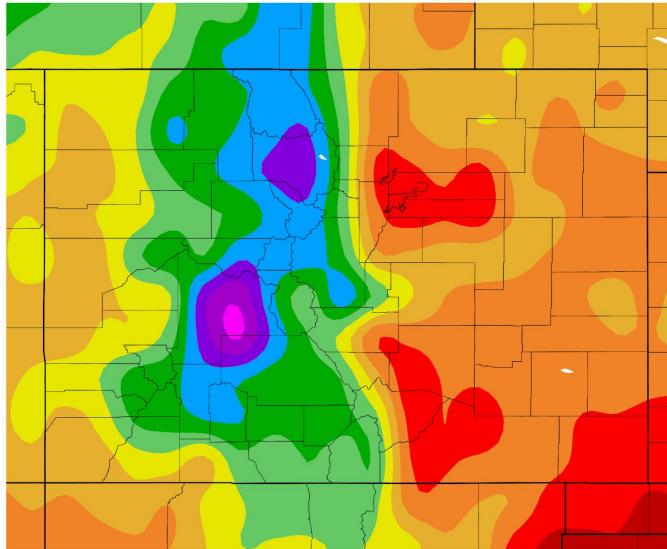
| Date | Type | Observed | Previous Record (Year) |
|---------------------------|------|----------|------------------------|
| No Records Set this Month | | | |



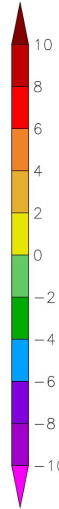
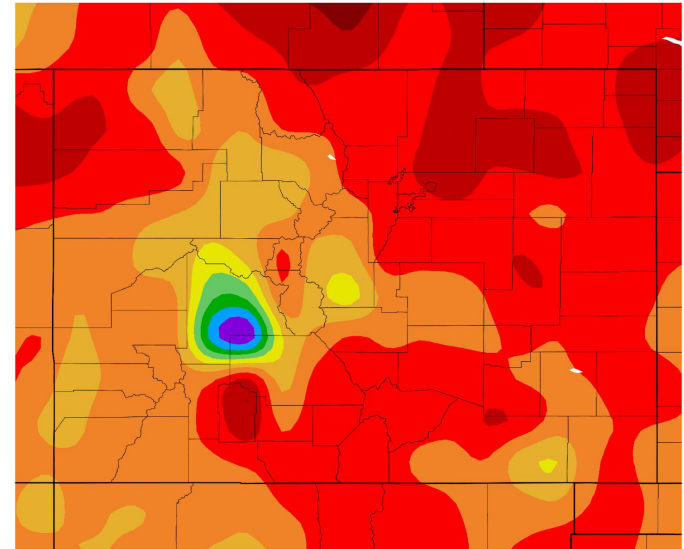


Statewide Temperature December 2024

Temperature (F)
12/1/2024 - 12/31/2024



Departure from Normal Temperature (F)
12/1/2024 - 12/31/2024



Generated 1/1/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 1/1/2025 at HPRCC using provisional data.

NOAA Regional Climate Centers





Top 10 Hi/Low Temperature Years

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

Top Ten Warmest

| Rank | Temperature (°F) | Year(s) |
|------|------------------|-------------|
| 1 | 43.8 | 1933 |
| 2 | 41.2 | 1980 |
| 3 | 40.9 | 1939 |
| 4 | 40.5 | 1889 |
| 5 | 39.7 | 1906 |
| 6 | 39.6 | 1946 |
| 7 | 39.5 | 1957 |
| | 39.5 | 1881 |
| 9 | 39.4 | 2024 |
| 10 | 39.2 | 1890 |

Top Ten Coldest

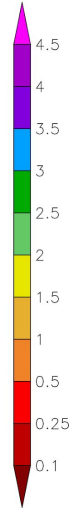
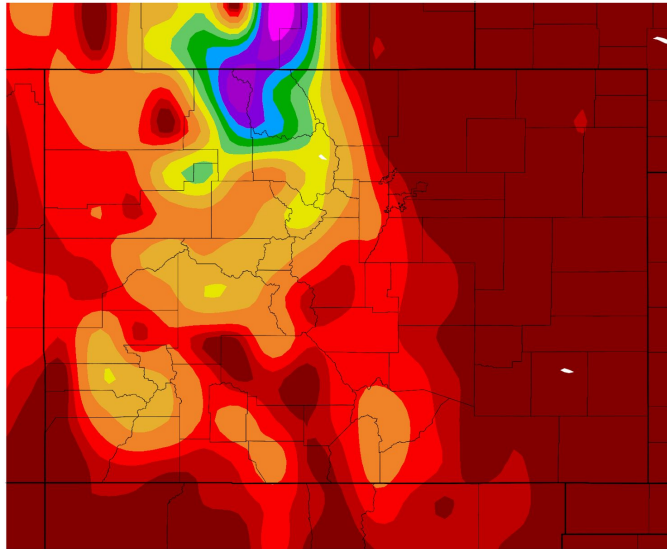
| Rank | Temperature (°F) | Year(s) |
|------|------------------|---------|
| 1 | 17.4 | 1983 |
| 2 | 21.2 | 1909 |
| 3 | 22.1 | 1878 |
| 4 | 22.7 | 1873 |
| 5 | 23.1 | 1913 |
| 6 | 23.7 | 1932 |
| 7 | 24.1 | 2009 |
| 8 | 24.3 | 1914 |
| 9 | 24.6 | 1978 |
| 10 | 24.8 | 1884 |



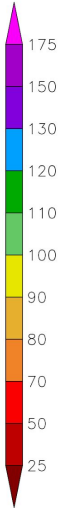
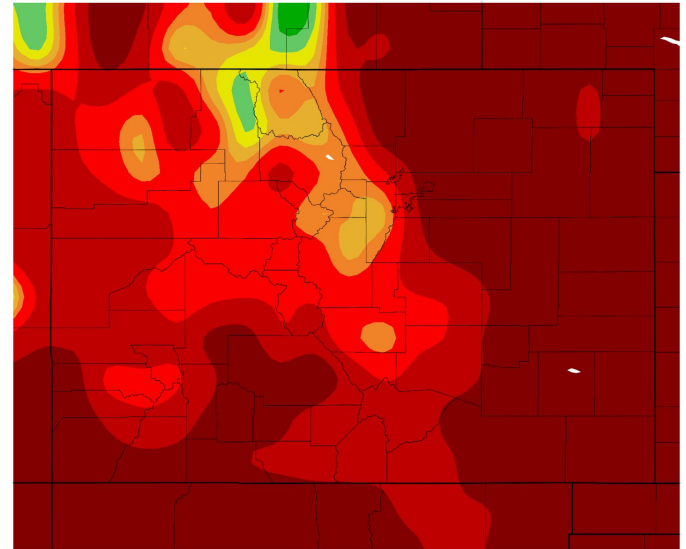


Statewide Precipitation December 2024

Precipitation (in)
12/1/2024 - 12/31/2024



Percent of Normal Precipitation (%)
12/1/2024 - 12/31/2024



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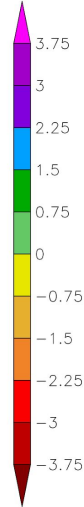
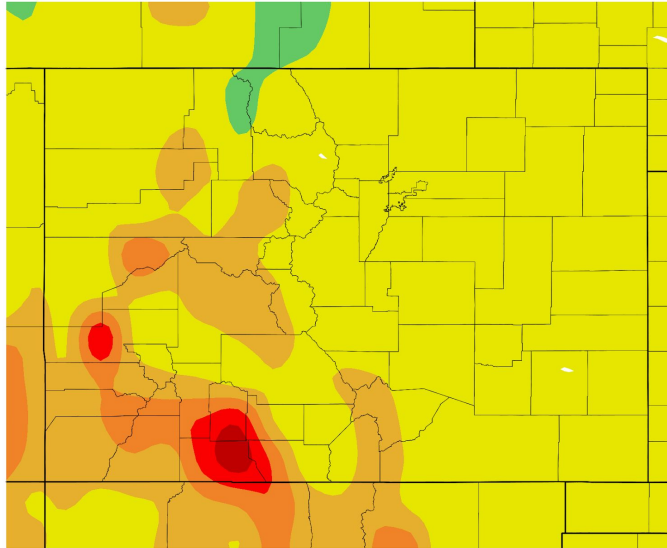
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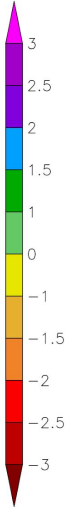
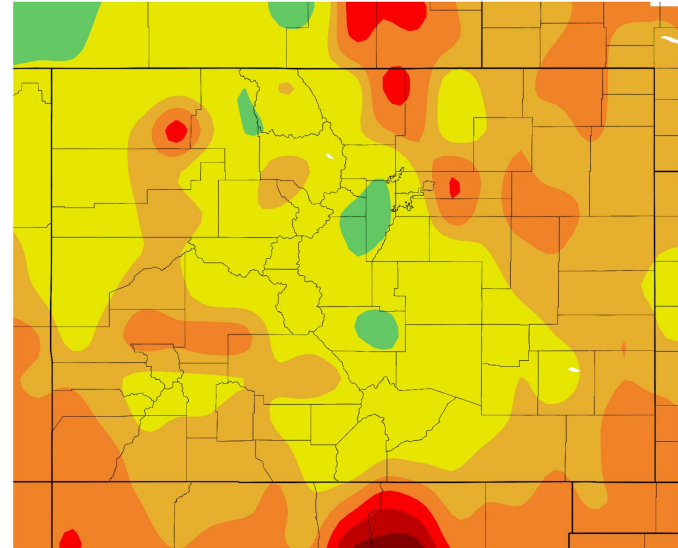


Statewide Precipitation December 2024

Departure from Normal Precipitation (in)
12/1/2024 – 12/31/2024



Monthly SPI
12/1/2024 – 12/31/2024



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Top 10 Hi/Low Precipitation Years

Precipitation during the month of December (Records since 1872)

Top Ten **Wettest**

| Rank | Precipitation (in.) | Year(s) |
|------|---------------------|---------|
| 1 | 5.21" | 1913 |
| 2 | 2.84" | 1973 |
| 3 | 2.34" | 1982 |
| 4 | 2.32" | 1883 |
| 5 | 1.70" | 1876 |
| 6 | 1.56" | 1891 |
| 7 | 1.50" | 1960 |
| 8 | 1.42" | 1924 |
| 9 | 1.40" | 1918 |
| 10 | 1.32" | 1892 |

Top Ten **Driest**

| Rank | Precipitation (in.) | Year(s) |
|----------|---------------------|-------------|
| 1 | 0.00 | 1881 |
| 2 | T | 1905 |
| 3 | 0.01" | 1906 |
| | 0.01" | 1895 |
| 5 | 0.03" | 2018 |
| | 0.03" | 1977 |
| | 0.03" | 1931 |
| 8 | 0.04" | 2024 |
| | 0.04" | 2004 |
| 10 | 0.04" | 1890 |





Top 10 Hi/Low Snowfall Years

Snowfall during the month of December (Records since 1882)

Top Ten Snowiest

| Rank | Snowfall (in.) | Year(s) |
|------|----------------|---------|
| 1 | 57.4" | 1913 |
| 2 | 30.8" | 1973 |
| 3 | 29.4" | 2006 |
| 4 | 27.1" | 1982 |
| 5 | 21.5" | 1987 |
| 6 | 20.9" | 2007 |
| 7 | 19.6" | 1918 |
| 8 | 18.4" | 1924 |
| 9 | 17.8" | 1960 |
| 10 | 17.5" | 1891 |

Top Ten Least Snowiest

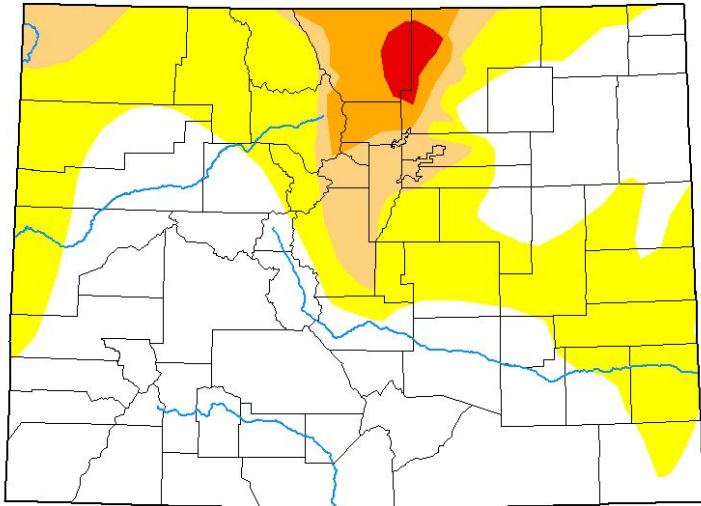
| Rank | Precipitation (in.) | Year(s) |
|------|---------------------|---------|
| 1 | T | 2002 |
| | T | 1906 |
| | T | 1905 |
| 4 | 0.1" | 1928 |
| 5 | 0.4" | 1890 |
| 6 | 0.5" | 2018 |
| | 0.5" | 1935 |
| 8 | 0.6" | 1995 |
| 9 | 0.7" | 1977 |
| 10 | 0.7" | 1895 |



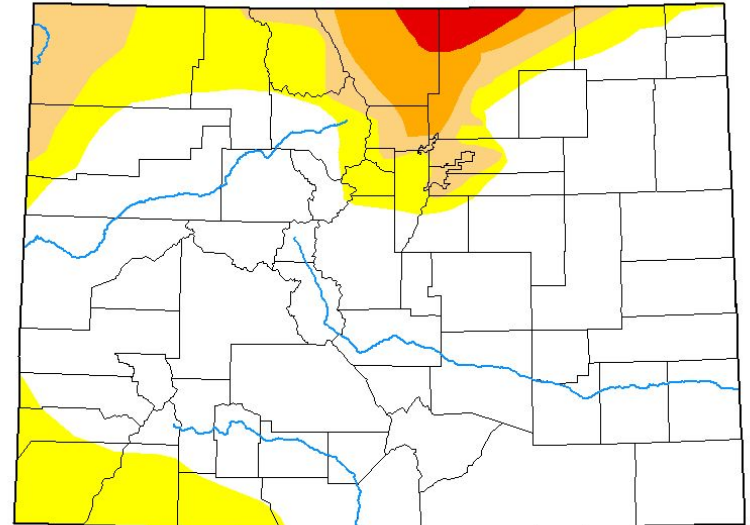


Drought Conditions Colorado

November 26, 2024



December 31, 2024



Intensity

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

Drought conditions persisted across the northern I-25 corridor, but improved over the southern Foothills, Palmer Divide and portions of the northern Mountains. As of December 31st, the worst conditions were over the plains and foothills of Larimer and Boulder counties and much of Weld county.



