



Denver Monthly Climate Summary December 2024

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

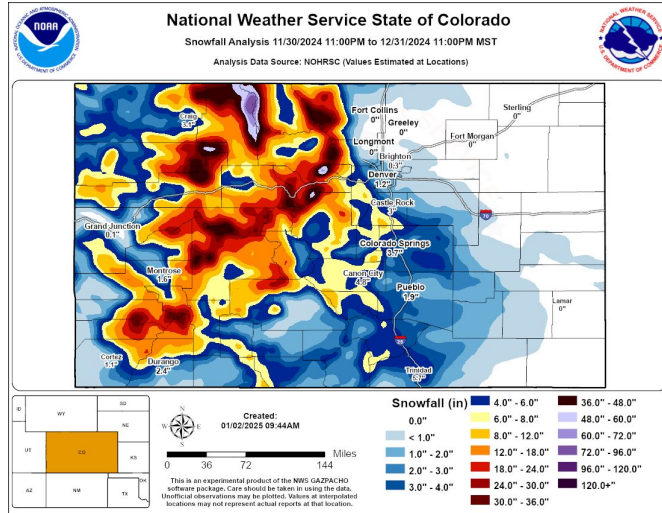
Issued: 1/2/2025



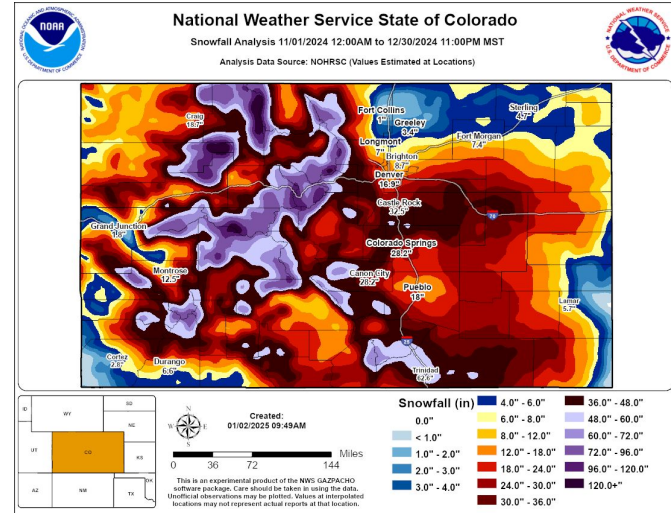
Monthly Overview

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.



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Denver/Boulder, CO



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:

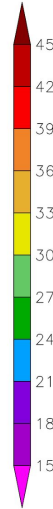
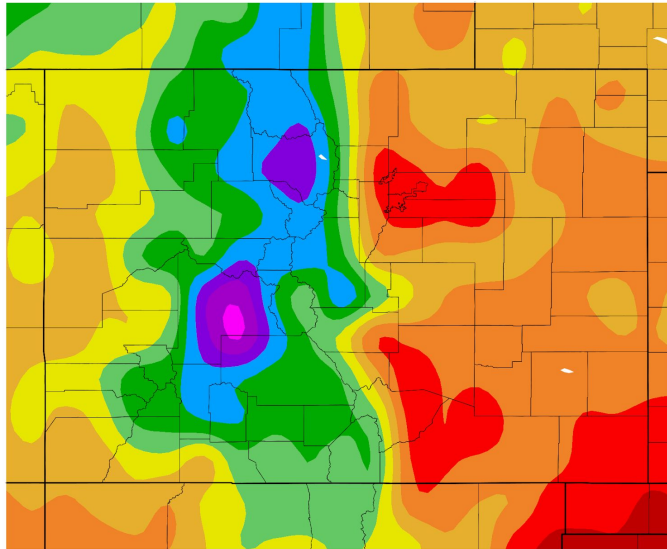
Date	Type	Observed	Previous Record (Year)
No Records Set this Month			



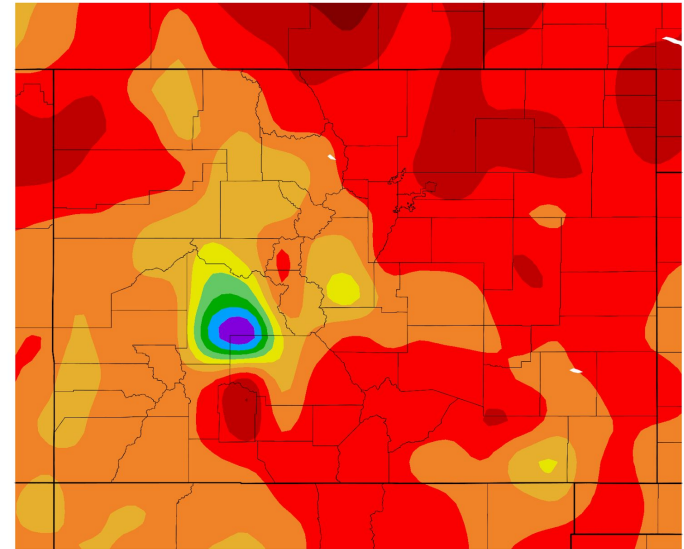


Statewide Temperature December 2024

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

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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

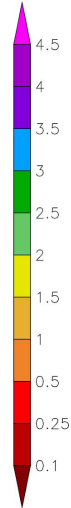
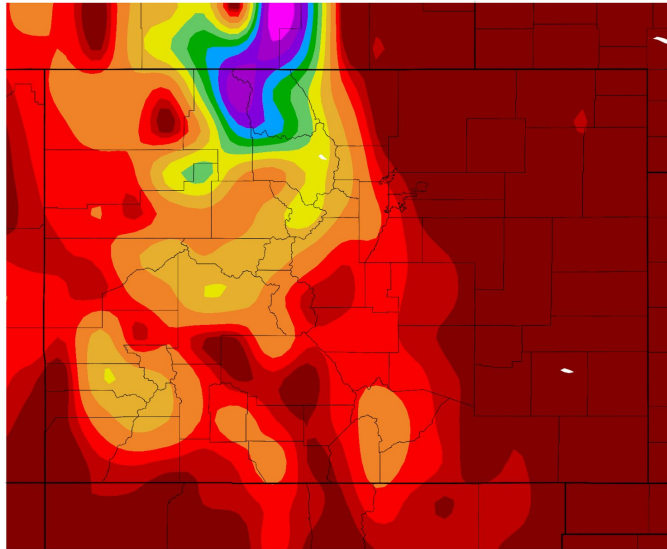
Rank	Temperature (°F)	Year(s)
1	17.4	1983
2	21.2	1909
3	22.1	1878
4	22.7	1873
5	23.1	1913
6	23.7	1932
7	24.1	2009
8	24.3	1914
9	24.6	1978
10	24.8	1884



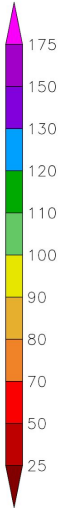
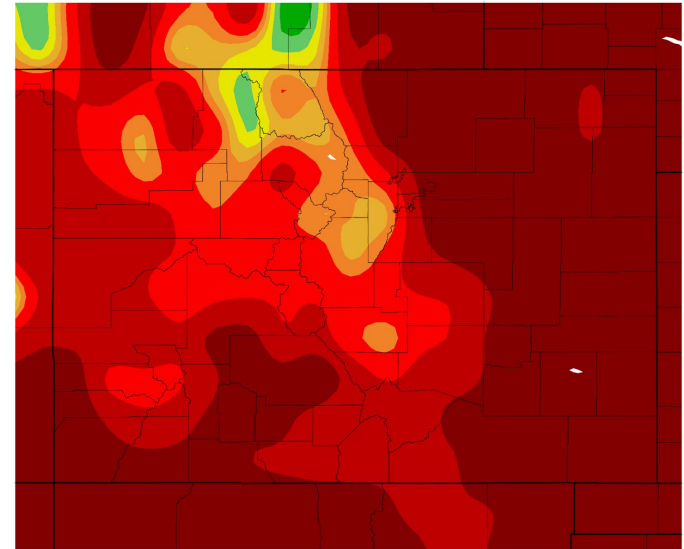


Statewide Precipitation December 2024

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



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



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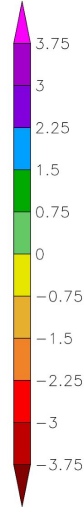
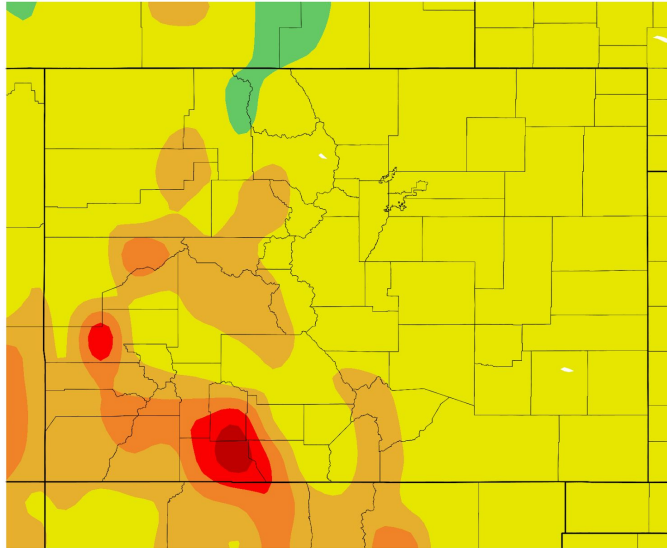
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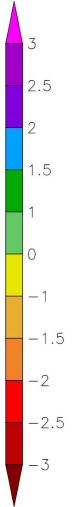
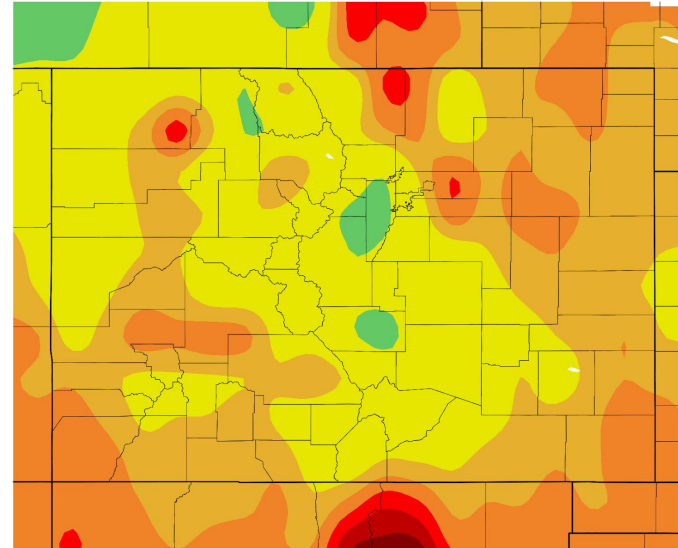


Statewide Precipitation December 2024

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

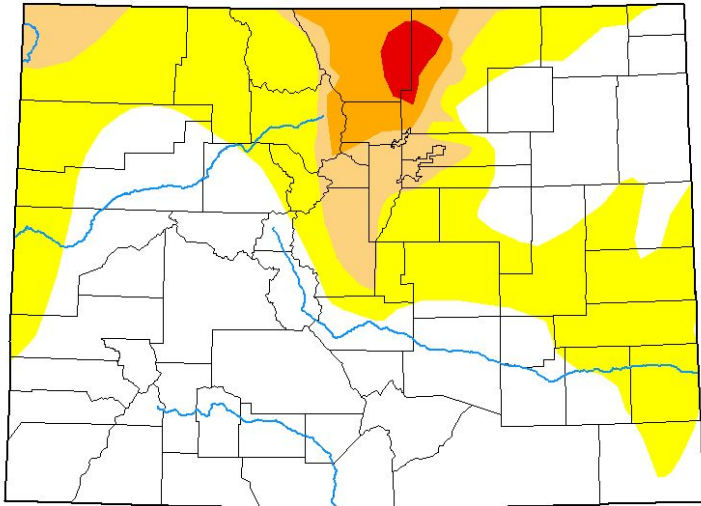
Rank	Precipitation (in.)	Year(s)
1	T	2002
	T	1906
	T	1905
4	0.1"	1928
5	0.4"	1890
6	0.5"	2018
	0.5"	1935
8	0.6"	1995
9	0.7"	1977
10	0.7"	1895



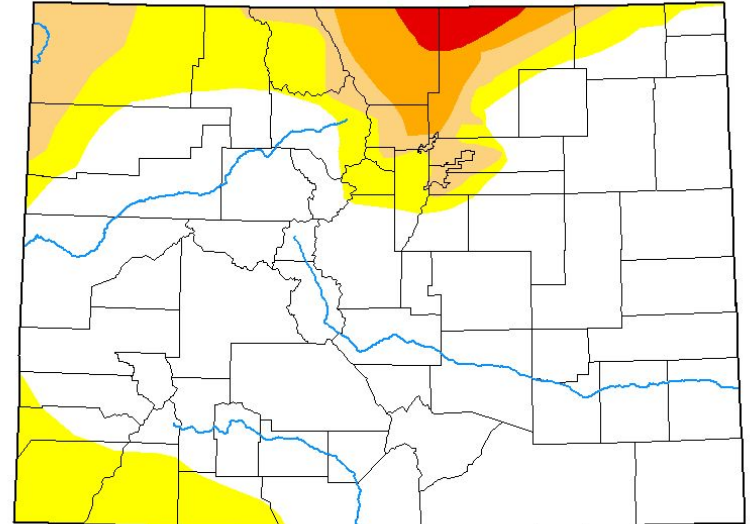


Drought Conditions Colorado

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.





Moderate to Heavy rain on Christmas Day

The only day of significant precipitation across the metro area was on Christmas Day. Moderate to heavy rain occurred west of I-25 over portions of the western and southwestern suburbs. Precipitation amounts ranged from 0.50” to 1.00” which fell mainly as rain. **(Precipitation Data courtesy of COCORAHs)**

