



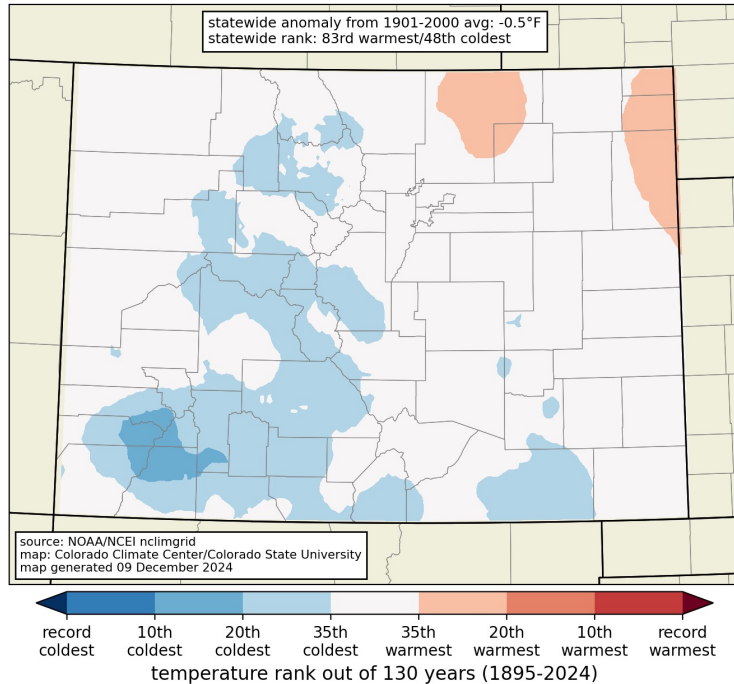
November 2024 Colorado Monthly Climate Summary



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

temperature

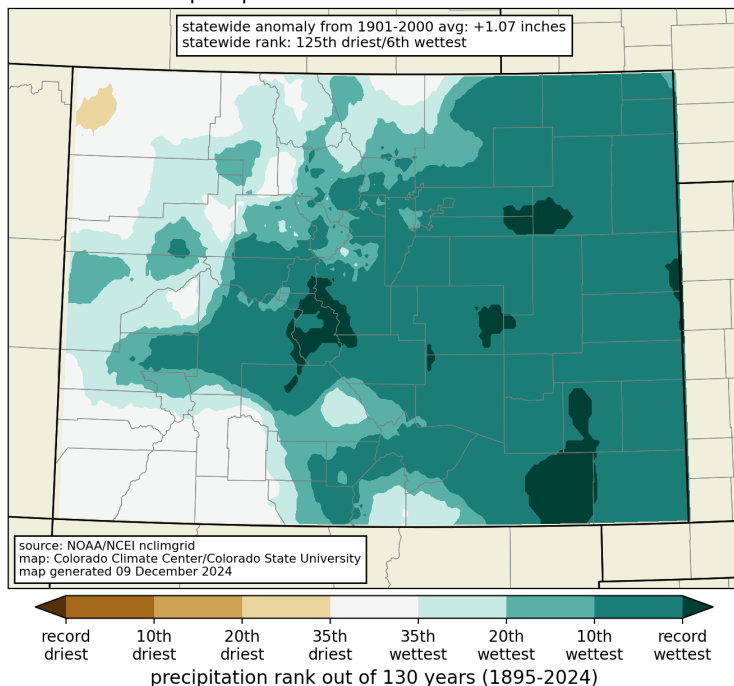
average temperature rank: November 2024



November 2024 broke the recent streak of warmer-than-average months across Colorado. The mountain areas were generally cooler than average in November, while northeastern Colorado was slightly warmer than average. The rest of the state was closer to the historical average for the month.

precipitation

precipitation rank: November 2024

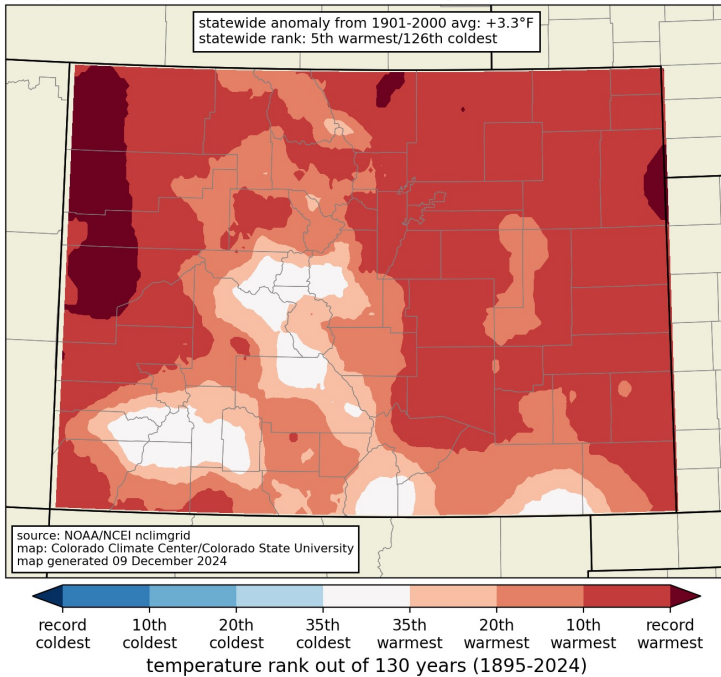


November was very wet across the central mountains and the eastern Plains. It was a top-10 wet November across nearly all of eastern Colorado, and some locations had their wettest November on record. Much of that precipitation came from a major storm early in the month (see more below!)



temperature: autumn

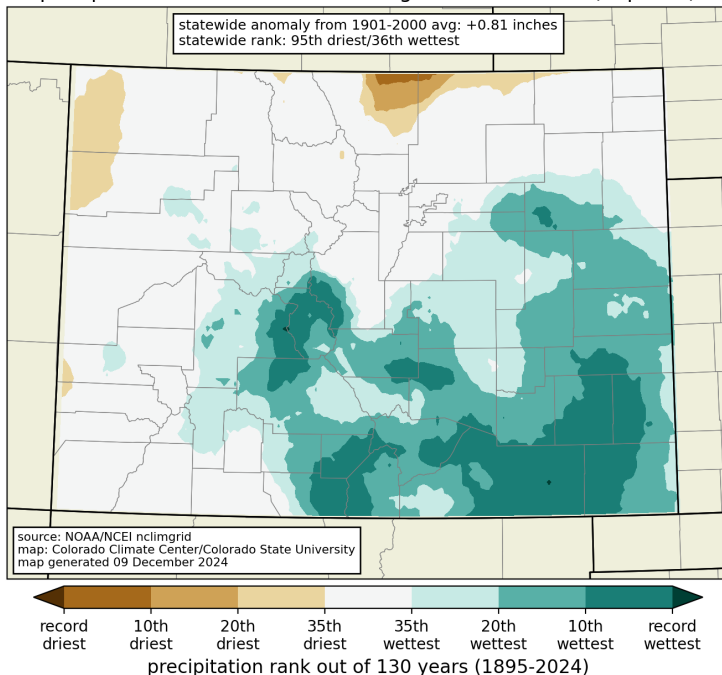
average temperature rank: 3 months ending November 2024 (Sep-Nov)



Although November was relatively cool, September and October were very warm, such that climatological autumn as a whole (September, October, November) was much warmer than average. Parts of far western and eastern Colorado experienced their warmest fall on record, while temperatures in the southern mountains were closer to average.

precipitation: autumn

precipitation rank: 3 months ending November 2024 (Sep-Nov)



Southern Colorado saw a series of storms through the fall, most notably the major November storm that put the area well above average for precipitation. Far northern Colorado missed out on these storms and had a drier-than-average climatological fall season.



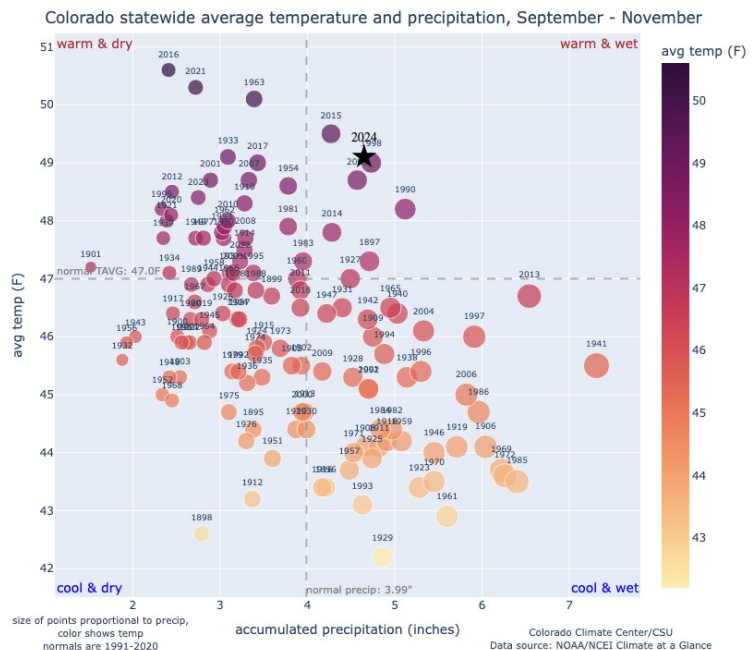
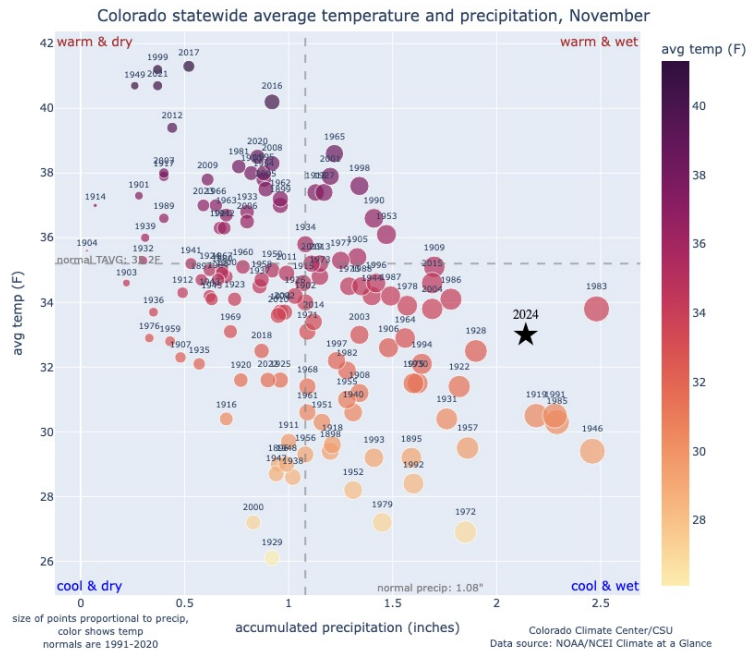
quadrant charts

Each dot plots the precipitation on the x-axis and the temperature on the y-axis. Dots are colored based on temperature and size is based on precipitation. The current year is denoted with a star. Long-term averages are denoted by the dashed lines.

Averaged across Colorado, November 2024 was in the cool and wet quadrant. Statewide it was tied for the 47th coolest/84th warmest November in the 130-year record, 2.2° F cooler than the 1991-2020 average and 0.5° F cooler than the 20th-century average. It was the 6th wettest November statewide, at 1.07” above average.

Climatological autumn fell in the somewhat unusual warm and wet quadrant. It was tied for the 5th warmest fall statewide, 2.1° F warmer than the 1991-2020 average and 3.3° F warmer than the 20th-century average. It was the 36th wettest fall on record, 0.81” above average.

[view all quadrant charts](#)

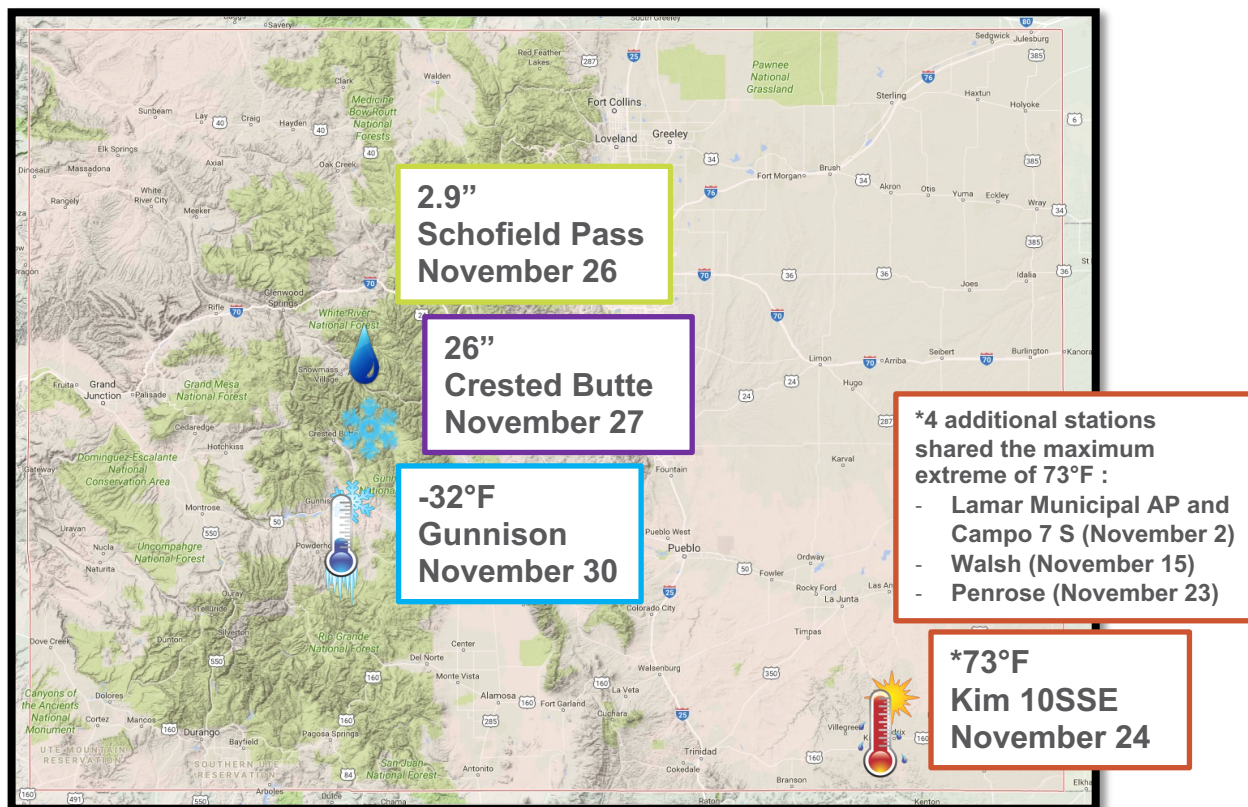


records tied and broken

	High Max	Low Max	High Min	Low Min	Precip	Snow
Daily	13/24	24/219	8/39	7/37	27/202	4/114
Monthly	0/0	0/2	0/0	0/0	4/30	1/7
All-time	0/0	0/0	0/0	0/0	0/1	1/1

Tied/Broken, from NOAA National Centers for Environmental Information

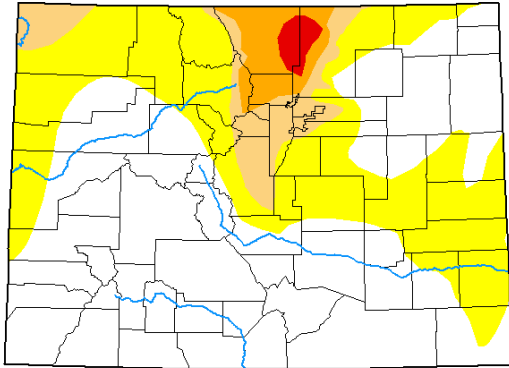
state extremes



drought & snowpack

U.S. Drought Monitor Colorado

November 26, 2024
(Released Wednesday, Nov. 27, 2024)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	58.43	41.57	10.41	4.26	0.94	0.00
Last Week 11-19-2024	58.43	41.57	10.41	4.26	0.94	0.00
3 Months Ago 08-27-2024	50.86	49.14	8.53	1.22	0.00	0.00
Start of Calendar Year 01-03-2024	34.65	65.35	29.59	8.85	2.05	0.00
Start of Winter Year 10-01-2024	48.27	51.73	24.40	4.62	0.00	0.00
One Year Ago 11-28-2023	32.94	67.06	27.27	8.32	2.05	0.00

Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

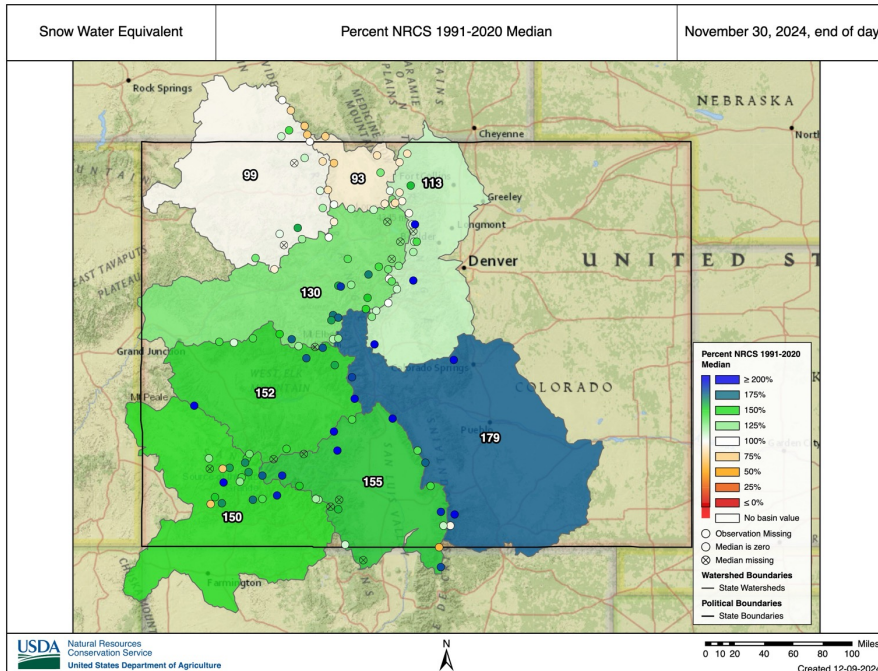
Author:
David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

The major storm across southern Colorado brought substantial drought relief in November. Parts of southeastern Colorado saw multi-category improvements, and the coverage of drought shrunk from nearly 35% in late October to just over 10% in late November. Still, northern Colorado remained entrenched in drought.

[Colorado Drought Update Page](#)

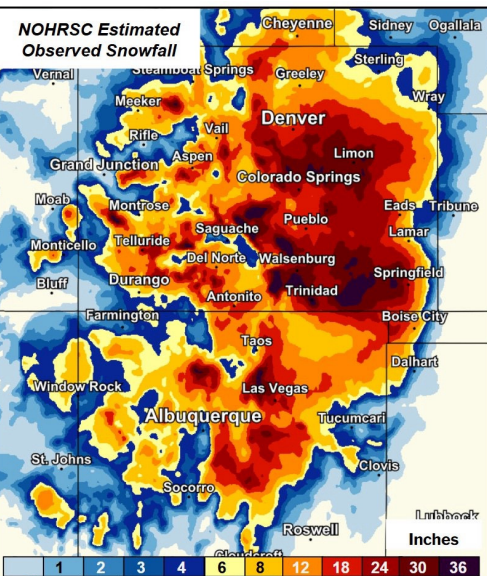


Mountain snowpack finished November above average in nearly all basins after significant storms both early and late in the month. The big winner was the Arkansas basin. In contrast, the Yampa-White and North Platte basins were slightly below average at the end of November.



significant events

The most significant weather event in November by far was the major snowstorm in eastern Colorado from around the 4th through the 10th. This storm brought up to 5 feet of snow to the Sangre de Cristo Mountains, and reports of over 40 inches on the eastern Plains



Preliminary Selected Snowfall Reports

Valid 11/5- 11/9

Colorado		New Mexico	
Fort Garland 12.9 miles ENE	53.3"	Angel Fire	40.0"
Trinidad 1.9 miles ENE	44.0"	Las Vegas	38.2"
Beulah	41.2"	Rociada	36.0"
Hugo	34.5"	Los Alamos 6 miles W	29.0"
Colorado Springs 1.1 miles NE	24.2"	Clayton 2 miles ENE	22.0"
Denver Intl Airport	19.2"	Santa Fe 2.4 miles N	16.0"

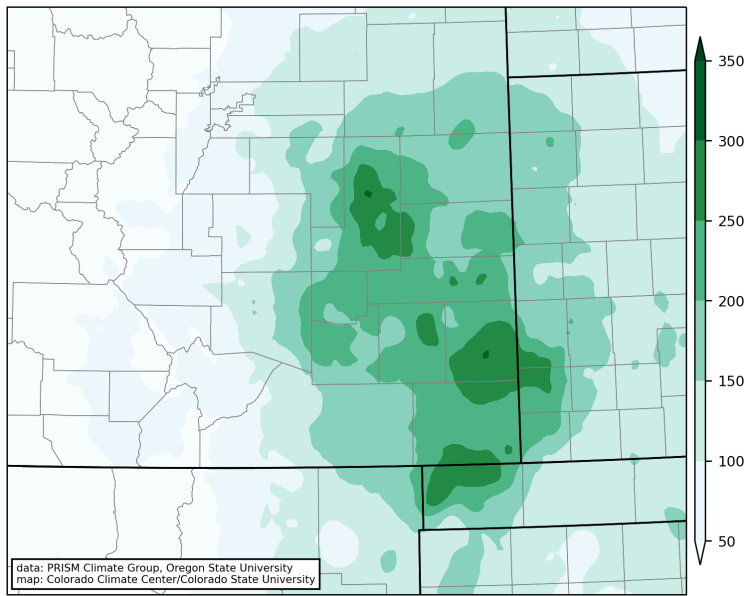
Oklahoma		Texas	
Boise City	26.0"	Texline	24.0"

Graphic from NOAA's Weather Prediction Center showing snow totals across Colorado and neighboring states

NATIONAL WEATHER SERVICE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 WEATHER PREDICTION CENTER
 Issued 11/9/2024 11 AM EDT

For much of southeastern Colorado, this storm was surpassed only by the historic November 1946 storm in terms of snowfall totals. And it was wet snow: in this one storm, many areas got more than twice their average precipitation for the entire November through February period!

percent of Nov through Feb average precipitation that fell during 5-11 Nov 2024



Percent of the average November through February precipitation that fell during the week from November 5-11, 2024. Data source: PRISM.



CCC in the news

- ❑ **November 8, 2024:** [The first winter storm of the season brings drought relief to southeast Colorado](#)
Featuring Russ Schumacher in The Colorado Sun.
- ❑ **November 29, 2024:** [Record-setting November snowstorm brings some drought relief to Colorado](#)
Featuring Russ Schumacher in the Denver Gazette.

[Read more about the historic November snowstorm in our blog \(and subscribe to get new blog posts in your inbox if you're interested!\)](#)

