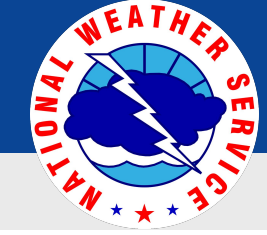


2023 Denver Annual Climate Summary

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

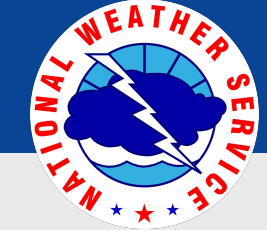


2023 Denver Temperature Data

January 1, 2024
12:42 AM

Month	Average High (°F)	Average Low (°F)	Mean Temperature (°F)	Departure from Normal (°F)	Highest Temp (Date)	Lowest Temp (Date)
January	34.3	15.7	25.0	-6.7	59 (1/14)	-10 (1/30)
February	43.3	19.0	31.1	-1.6	62 (2/26)	-11 (2/23)
March	49.1	22.7	35.9	-5.7	71 (3/15)	13 (3/28)
April	63.3	32.2	47.8	0.0	85 (4/12)	11 (4/05)
May	71.7	47.0	59.4	2.0	82 (5/29)	38 (5/01)
June	75.6	52.7	64.2	-4.0	92 (6/27)	47 (6/17)
July	88.0	59.8	73.9	-1.2	98 (7/25)	52 (7/21)
August	88.3	60.1	74.2	1.3	99 (8/16, 8/21)	49 (8/14)
September	83.7	52.3	68.0	3.2	99 (9/01)	40 (9/24)
October	67.5	37.5	52.5	1.4	86 (10/20)	11 (10/30)
November	57.6	28.9	43.2	3.8	78 (11/05)	10 (11/27)
December	50.5	24.3	37.4	6.2	71 (12/06)	8 (12/25)
Annual	64.4	37.7	51.0	-0.2	99	-11



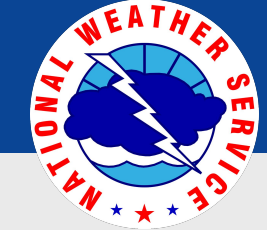


2023 Denver Precipitation Data

January 1, 2024
12:42 AM

Month	Total Precipitation	Precip. Departure	Daily Max (Date)	Total Snowfall	Departure (using DEN-Central Park normals)	Daily Max (Date)
January	1.25	0.87	0.44 (1/18)	13.0	6.6	4.8 (1/17)
February	0.25	-0.16	0.22 (2/15)	4.7	-2.9	3.6 (2/15)
March	0.49	-0.37	0.16 (3/15)	5.1	-3.7	2.2 (3/25)
April	0.80	-0.88	0.31 (4/25)	2.2	-4.0	1.3 (4/22)
May	5.53	3.37	2.92 (5/11)	0.0	-1.4	-
June	6.10	4.16	1.85 (6/21)	0.0	0.0	-
July	2.10	-0.04	0.77 (7/04)	0.0	0.0	-
August	0.93	-0.65	0.60 (8/03)	0.0	0.0	-
September	0.67	-0.68	0.40 (9/14)	0.0	-0.8	-
October	0.52	-0.47	0.39 (10/28)	7.5	3.6	5.3 (10/28)
November	0.18	-0.46	0.09 (11/28)	2.9	-4.4	1.9 (11/24)
December	0.12	-0.23	0.07 (12/13)	1.4	-5.2	1.0 (12/13)
Annual	18.94"	4.46"	2.92"	36.8"	-12.2"	5.3"

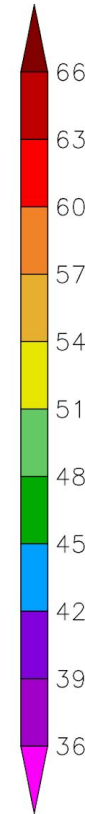
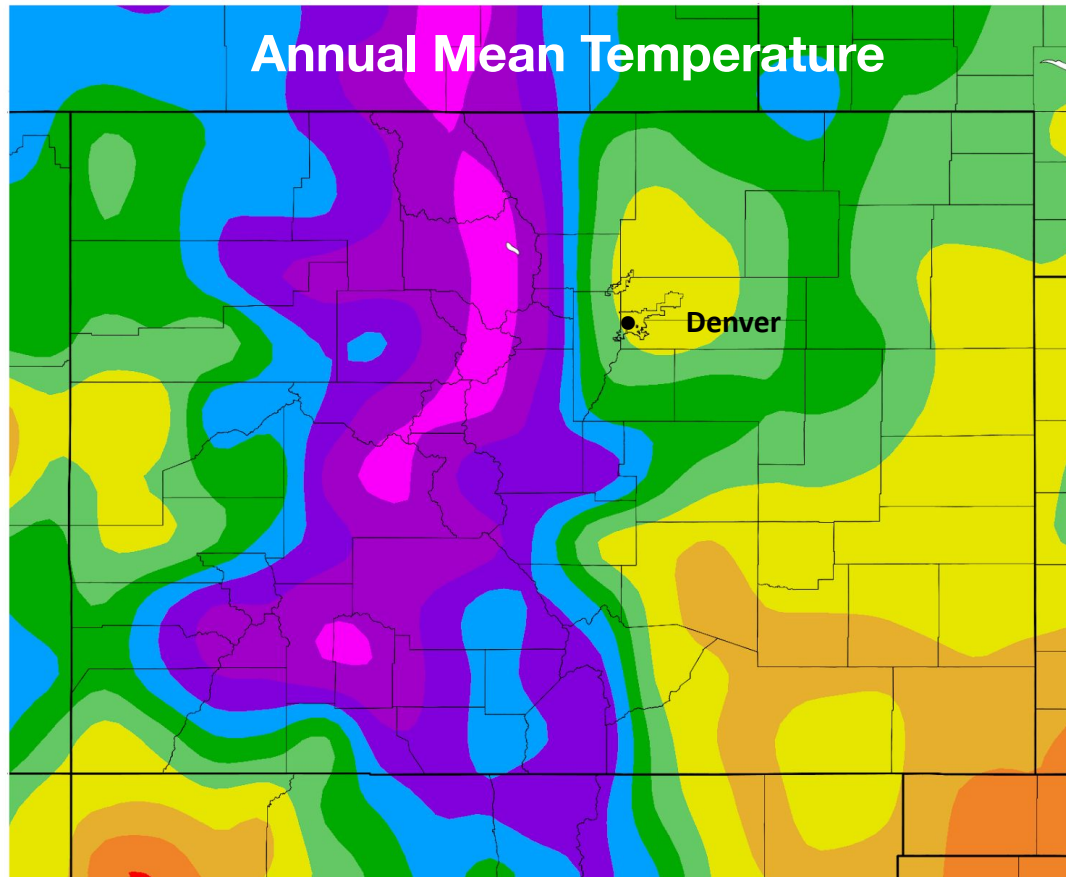




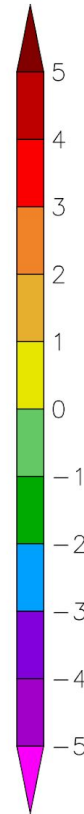
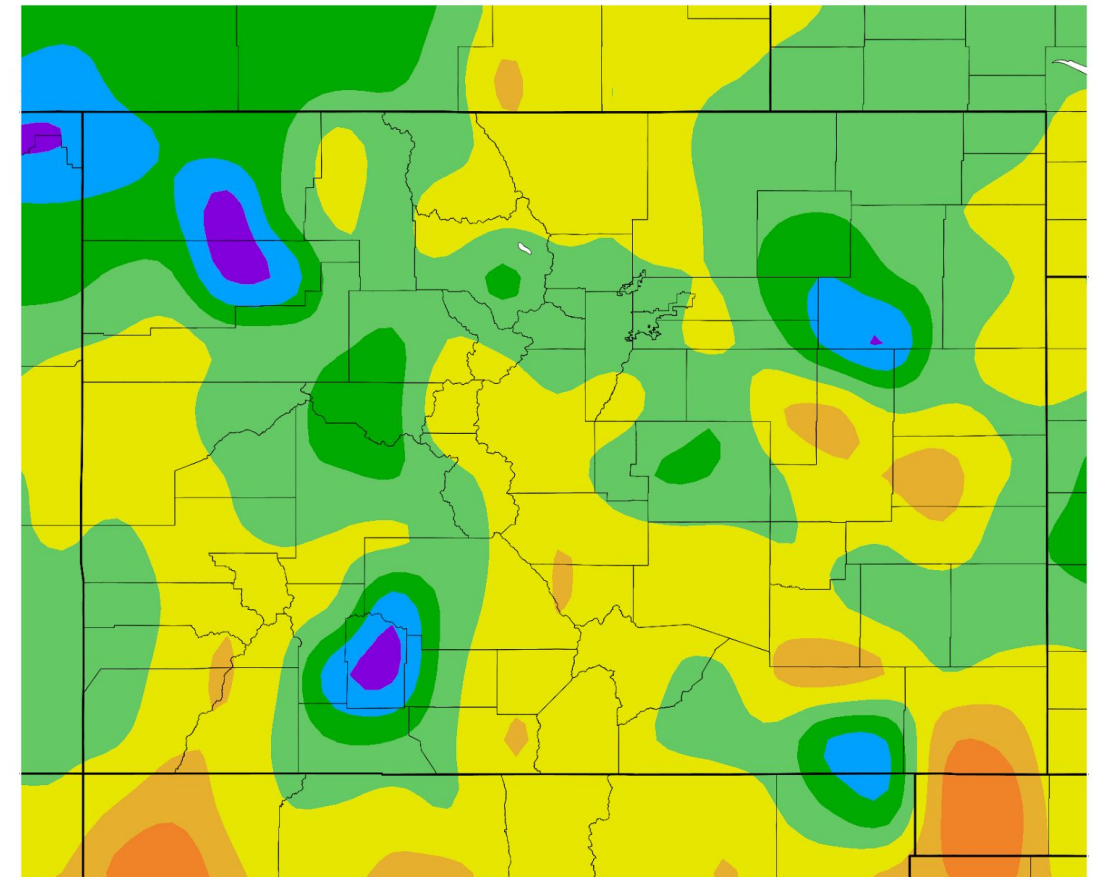
Statewide Temperature 2023

January 1, 2024
12:42 AM

Temperature (F)
1/1/2023 - 12/31/2023



Departure from Normal Temperature (F)
1/1/2023 - 12/31/2023



Generated 1/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

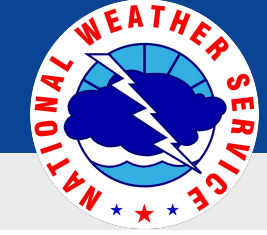
Generated 1/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers



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

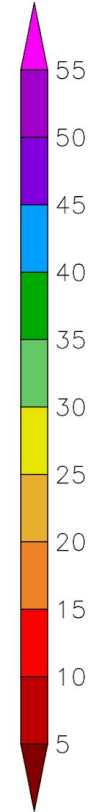
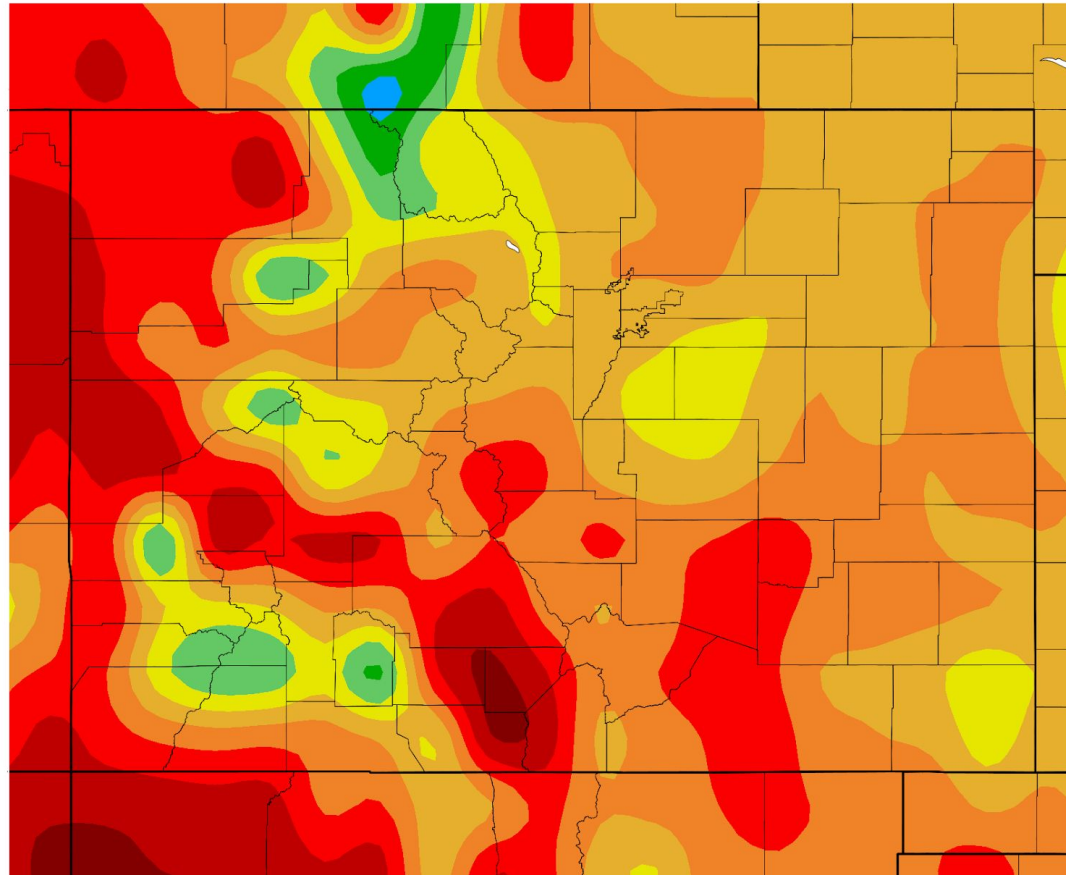
National Weather Service
Denver/Boulder, CO



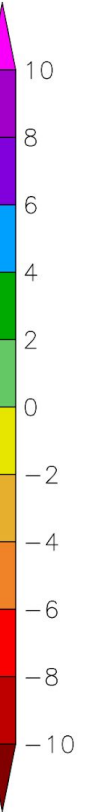
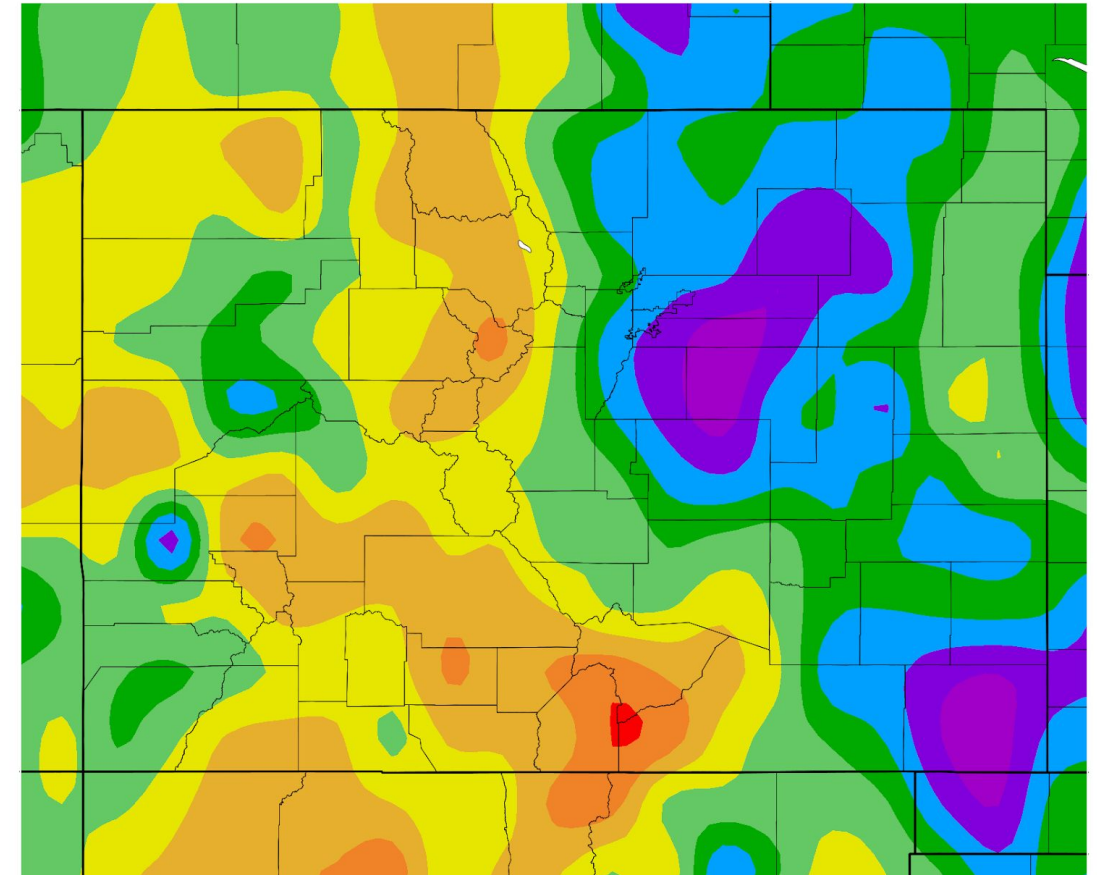
Statewide Precipitation

January 1, 2024
12:42 AM

Precipitation (in)
1/1/2023 - 12/31/2023



Departure from Normal Precipitation (in)
1/1/2023 - 12/31/2023



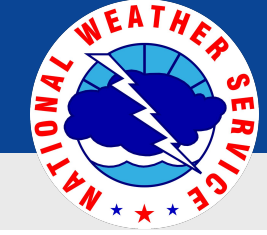
Generated 1/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 1/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

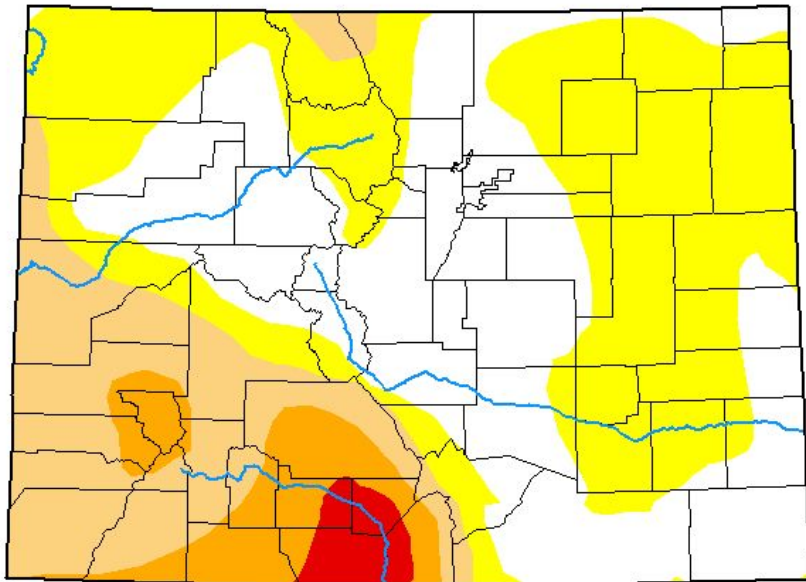




Drought Conditions

January 1, 2024
12:42 AM

U.S. Drought Monitor Colorado



December 26, 2023

(Released Thursday, Dec. 28, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	36.69	63.31	25.85	8.85	2.05	0.00
Last Week 12-19-2023	35.09	64.91	26.18	8.85	2.05	0.00
3 Months Ago 09-26-2023	65.71	34.29	17.43	2.77	0.00	0.00
Start of Calendar Year 01-03-2023	39.97	60.03	33.83	12.28	1.91	0.01
Start of Water Year 09-26-2023	65.71	34.29	17.43	2.77	0.00	0.00
One Year Ago 12-27-2022	13.75	86.25	42.37	30.79	3.23	0.53

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>

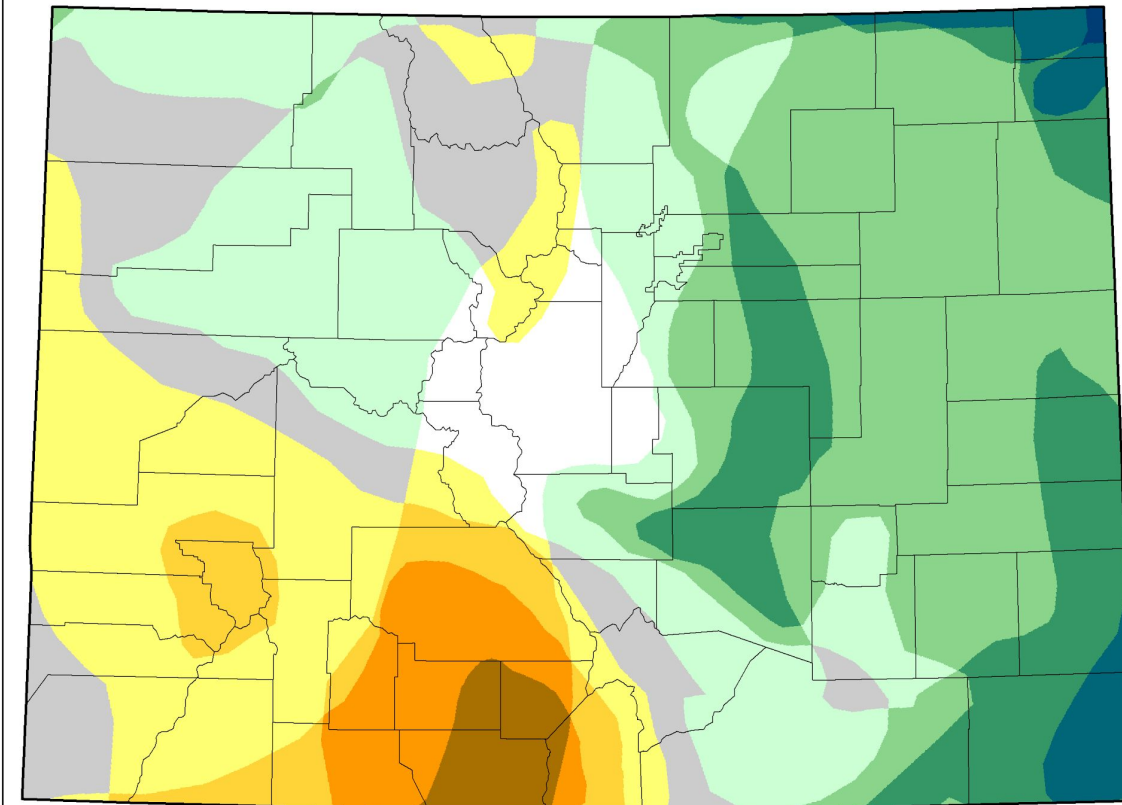
Author:

Rocky Bilotta
NCEI/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor Class Change - Colorado 52 Week



December 26, 2023
compared to
December 27, 2022

droughtmonitor.unl.edu



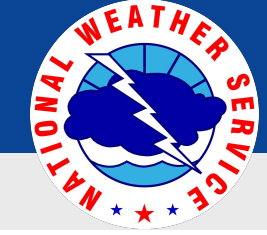
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Denver/Boulder, CO



Noteworthy Events of 2023

January 1, 2024
12:42 AM

June 21 - Historic Tornado Outbreak

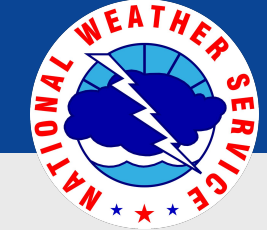
Logan and Washington counties

Several tornadoes along with large hail occurred across portions of Logan and Washington counties on June 21, 2023. After thorough analysis of videos, chaser and spotter reports, up to **36** tornadoes occurred. Most weak and short lived (under a minute), however, a few did attain EF2 intensity and were of longer duration over portions of Washington county. Fortunately, most of these were over open areas, with just a few locations experiencing damage. 27 of the tornadoes were produced by one slow moving supercell thunderstorm over Washington county.

This is by far the most tornadoes confirmed on a calendar day in the state of Colorado. The previous high marks:

- **5/17/2000: 27**
- **5/28/2018: 21**
- **6/4/2015: 21**
- **4/22/2010: 20**

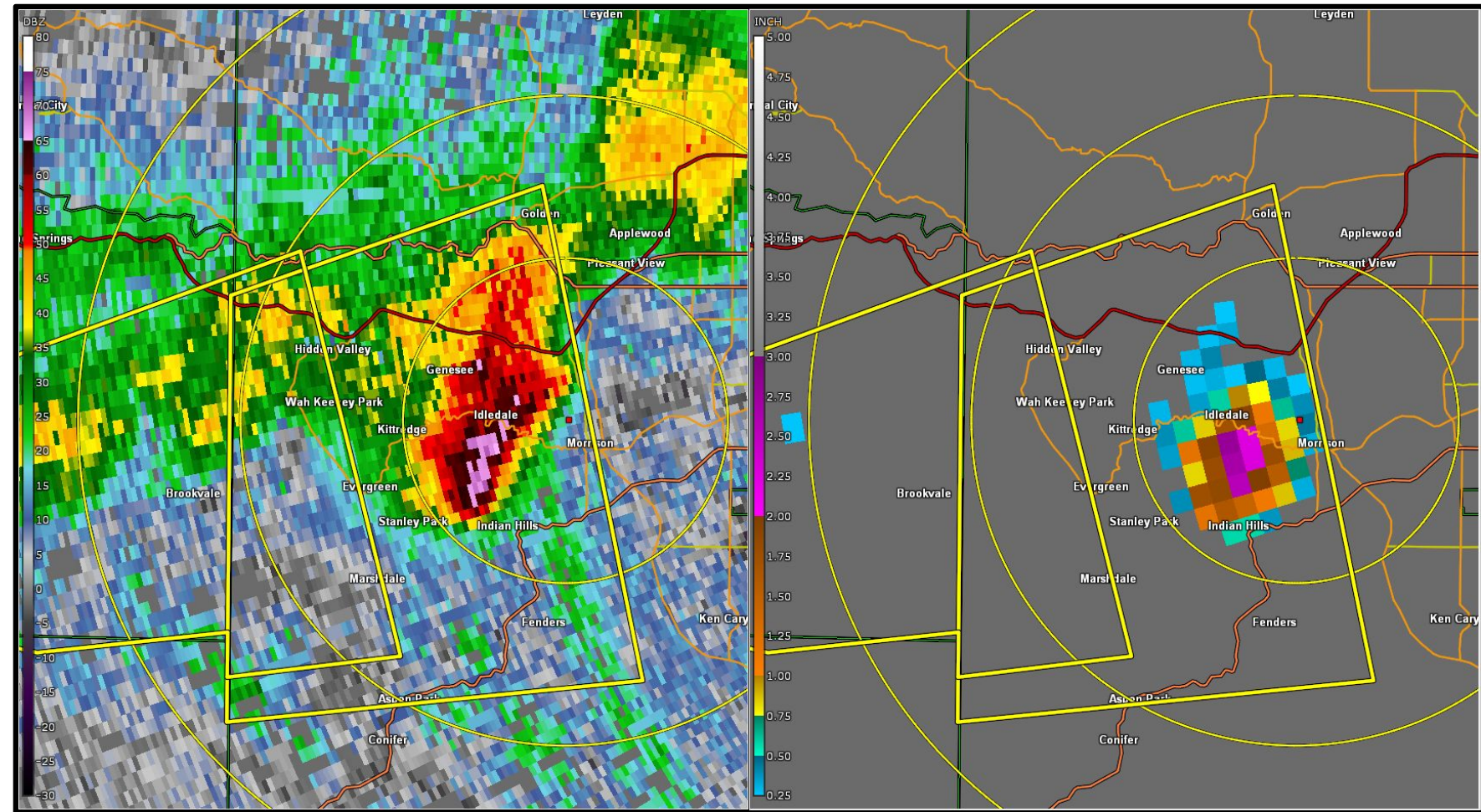


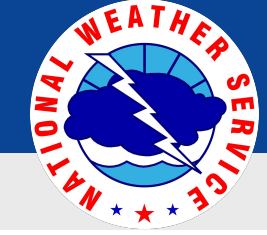


June 21 - Red Rocks Hail Event

Red Rocks Amphitheater

A severe thunderstorm with 2" hail struck Red Rocks Amphitheater around 9:20 PM MDT that same evening. The hail injured nearly 100 concert-goers, with many requiring hospitalization. This was one of the worst hailstorms in Colorado regarding human injuries in a long time.





Noteworthy Events of 2023

January 1, 2024
12:42 AM

June 22 - Highlands Ranch/Douglas County Tornado

A tornado touched down just south of CO-470 in Douglas County, west of Lucent Blvd, impacting the city of Highlands Ranch. The tornado traveled east-south across Highlands Ranch, lifting just west of I-25 in Lone Tree, CO. It was rated as an EF1 with maximum estimated winds up to 105 mph.

