

.....February 2023 Climate Summary for the Denver Area.....



February 2023 saw a progressive weather pattern with a series of upper troughs and ridges moving across Colorado. Due to a lack of moisture, very little precipitation fell across the forecast area the first half of the month. On the 15th, a stronger storm brought snow and colder temperatures to North Central and Northeastern Colorado. The heaviest snow fell across the foothills with amounts ranging between 4 and 10 inches with lighter amounts across the Front Range Urban Corridor. The official measurement site at Denver International Airport measured 3.6 inches of snow. The cold temperatures lingered through the 16th with a warmup the few days following with the temperature rising to 60 degrees on the afternoon of the 21st. From the 22nd and 23rd, a large upper level trough and Arctic front moved across the Rocky Mountain Region. This system brought record low temperatures and light snow to many plains locations on the 22nd and 23rd. Mild weather returned the last few days of the month with above normal temperatures along with breezy to windy conditions.

TEMPERATURES:

The average temperature at Denver International Airport for the month of February was 31.1 degrees F which is 1.6 degrees below the normal of 32.7 degrees. The warmest temperature of the month occurred on the 26th with a reading of 62 degrees. In contrast, the 23rd was the coldest day of the month with a low of -11 degrees and a high of only 7 degrees. Both of these readings set new records for the date which were last set in 2022 and 1874 respectively. In addition, the low temperature of -7 degrees on the 22nd also set a new record minimum temperature for the date.

TEN WARMEST FEBRUARY AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872: DEGREES F

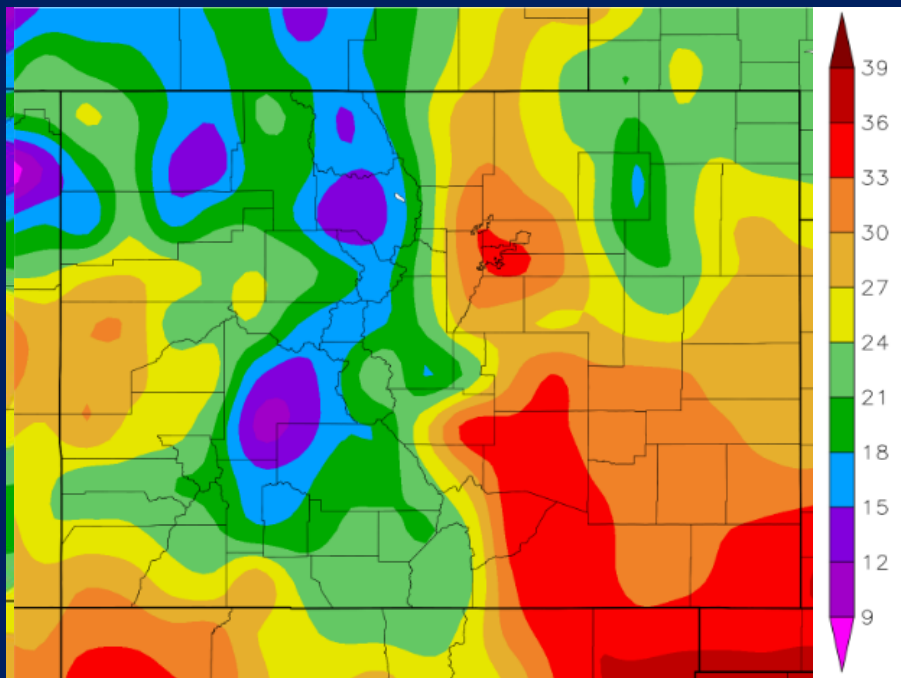
43.7 – 1954
42.3 - 1930
41.0 – 1925
40.7 – 1957
40.5 – 1943
40.3 - 2017, 1991, 1907
40.1 - 1992, 1904

TEN COLDEST FEBRUARY AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872: DEGREES F

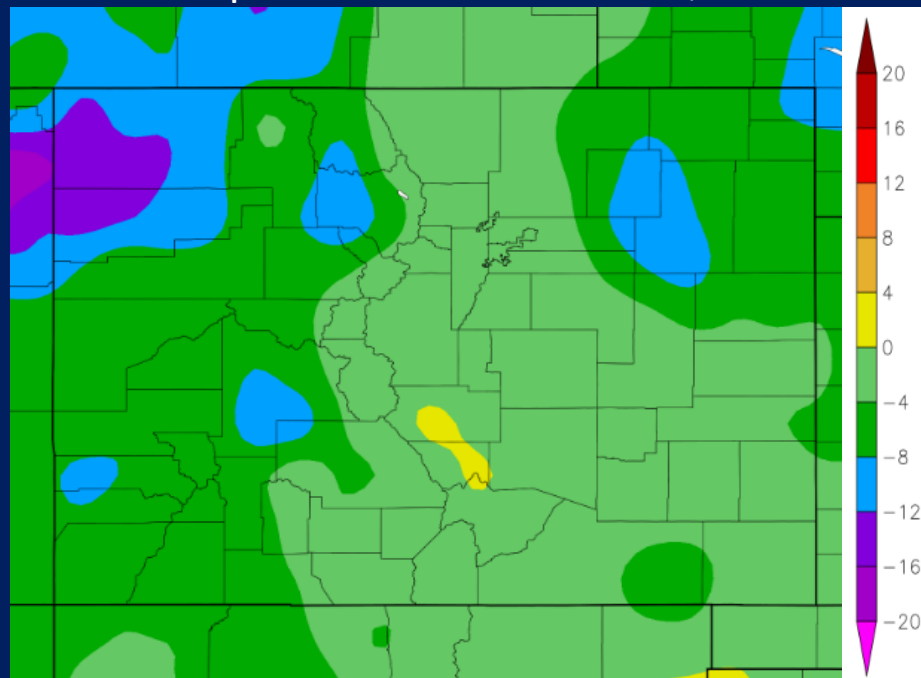
17.7 – 1899
21.8 – 1913
22.2 – 1883
22.3 – 1989
22.7 – 1903
23.6 – 1929
24.1 – 1942
24.8 – 1960
24.9 – 1894
25.2 - 1905

Location	New Record Min Temperature Set February 23rd °F	Previous Record	Year Last Set
Boulder	-13	-5	1899
Brighton	-10	-3	2022
Buckhorn Mountain	-18	-14	2022
Denver	-11	-7	2022
Holyoke	-13	-10	1899
Lomgmont 2ESE	-11	-8	1955
Loveland 2N	-15	-4	2022
Northglenn	-11	-4	2022
Ralston Reservoir	-12	-5	2022
Sedgwick 5S	-13	-6	2022
Virginia Dale	-23	-12	2022
Wheat Ridge	-8	-3	2022

Average Temperature
February 2023 (°F)



February 2023 Temperature
Departure from Normal (°F)



Graphics generated by HPRCC using provisional data

PRECIPITATION:

Denver received 0.25 inches of precipitation during the month. This is 0.16 inches below the average of 0.41 inches. The highest daily precipitation amount of 0.22 inches was measured on the 15th. February in Denver typically ranks As the 3rd driest month of the year with only December and January averaging drier conditions over the official NCEI 1991-2020 period.

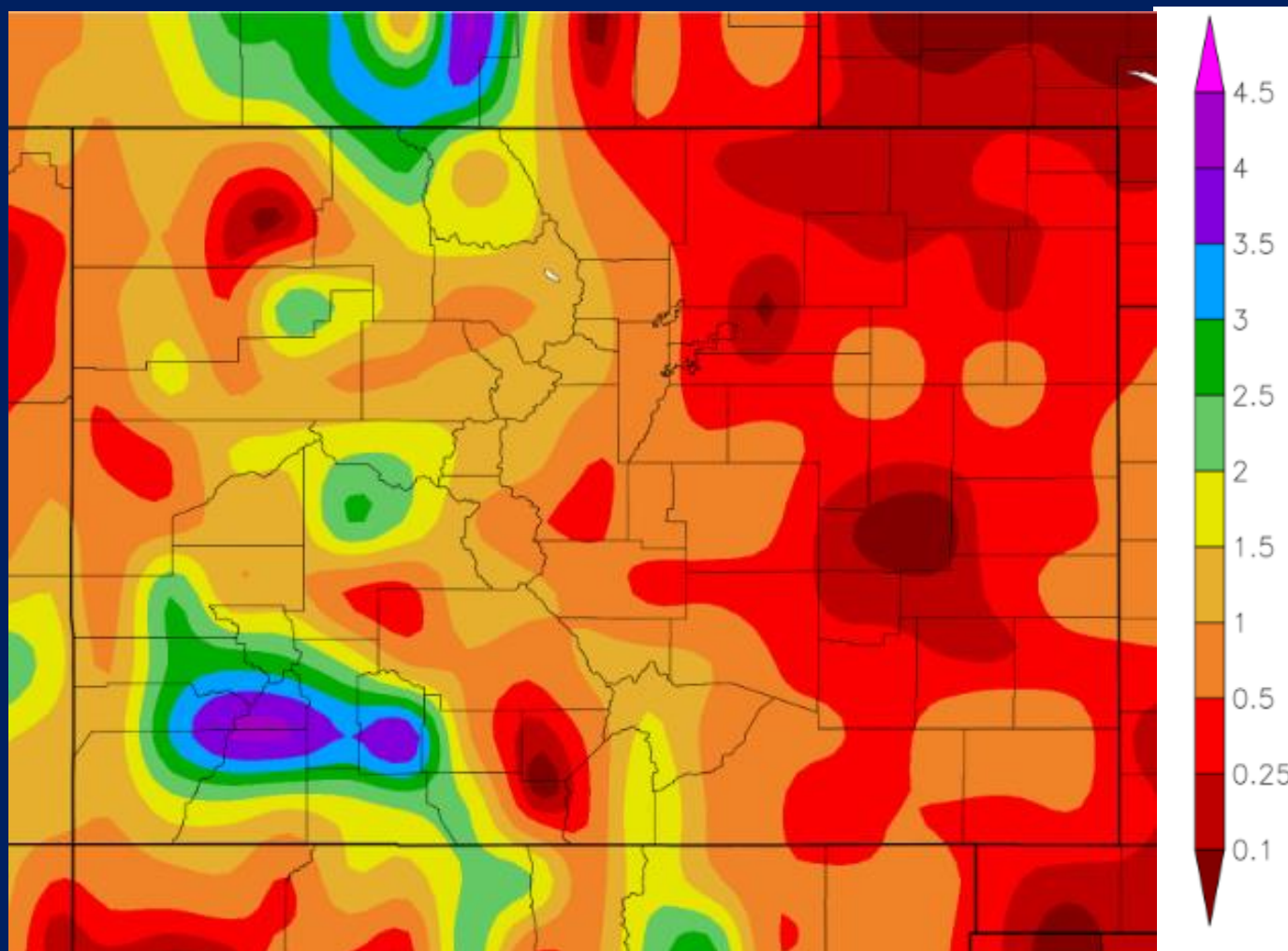
TEN WETTEST FEBRUARY PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

- 2.01 – 1934
- 1.66 – 1960
- 1.44 – 1942
- 1.39 – 1953
- 1.35 – 1909
- 1.34 – 1912
- 1.31 – 1959
- 1.28 - 1966, 1939
- 1.27 – 1965

TEN DRIEST FEBRUARY PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

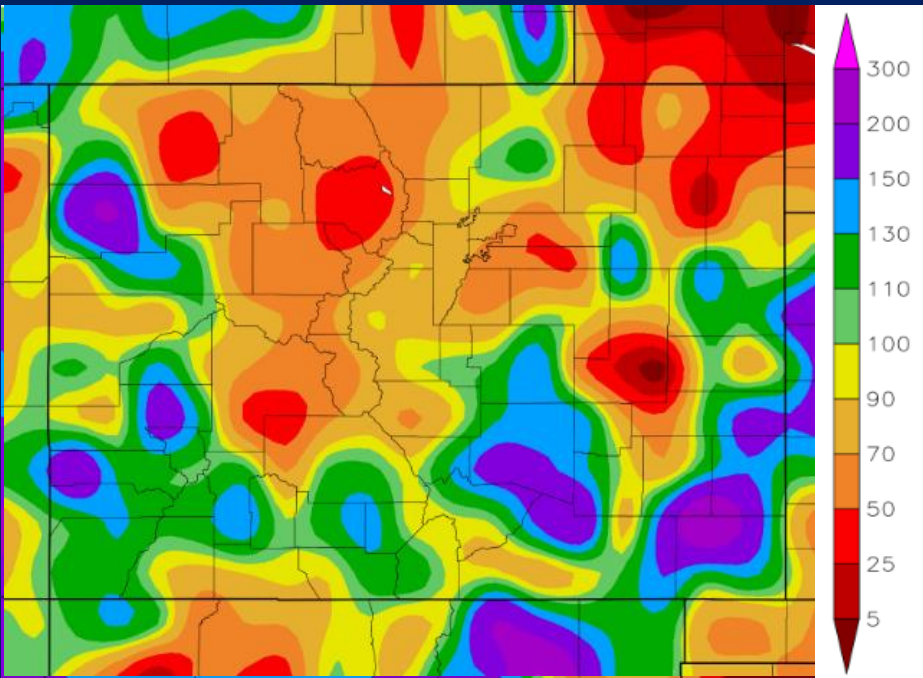
- 0.01 – 1970
- 0.02 – 2005
- 0.03 – 1916
- 0.04 - 2009, 1954, 1925, 1908
- 0.06 - 1906, 1901
- 0.07 - 1983

February 2023 Precipitation (Inches)

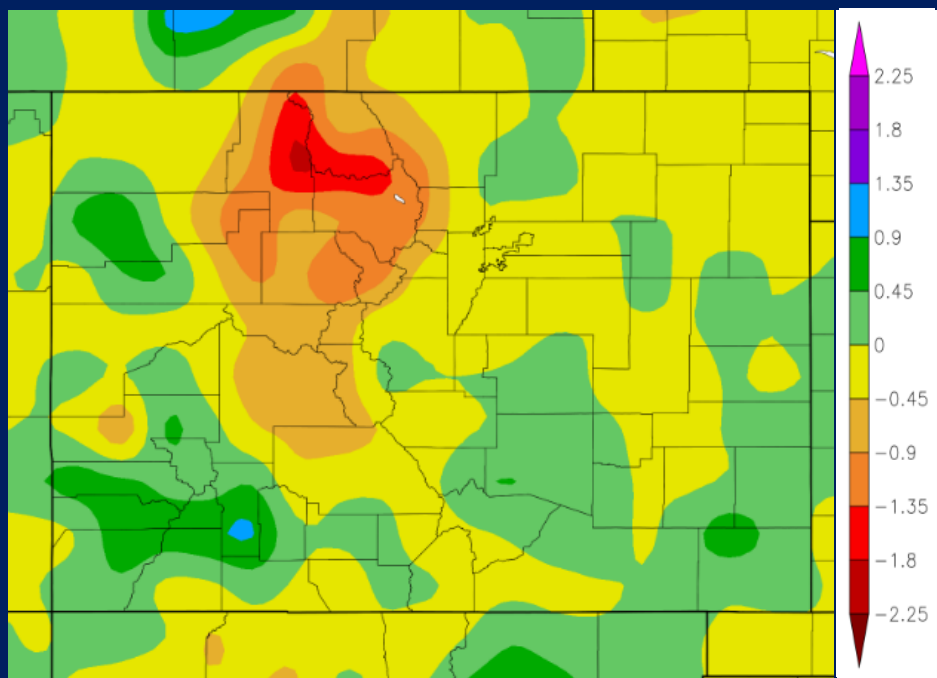


Graphic generated by HPRCC using provisional data

Percent of normal Precipitation (%)
February 2023



Departure from Normal Precipitation
February 2023 (Inches)



Graphics generated by HPRCC using provisional data

SNOWFALL:

4.7 inches of snow fell during February 2023 which is 2.9 inches below the average of 7.6 inches. The majority of February`s snowfall (3.6 inches) fell from the evening of the the15th.

TWELVE SNOWIEST FEBRUARYS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

- 22.4 – 2015
- 22.1 – 1912
- 20.2 – 2012
- 19.5 – 1942
- 18.3 - 1960, 1909
- 18.0 – 1931
- 17.5 – 1959
- 17.1 – 1965
- 16.9 – 1993
- 16.5 - 2020, 1953

TEN LEAST SNOWIEST FEBRUARYS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

- TRACE – 2009
- 0.1 – 1992
- 0.2 – 1970
- 0.3 – 1954
- 0.4 – 1925
- 0.5 – 2005
- 0.8 – 1991
- 0.9 – 1983
- 1.0 - 1943, 1908

No thunder or dense fog were observed at Denver International Airport in February 2023. A peak wind of 58 mph from the west was recorded on the 19th.



3HR Peak Winds (mph)

February 27th

Sunshine

Boulder County 7349 feet

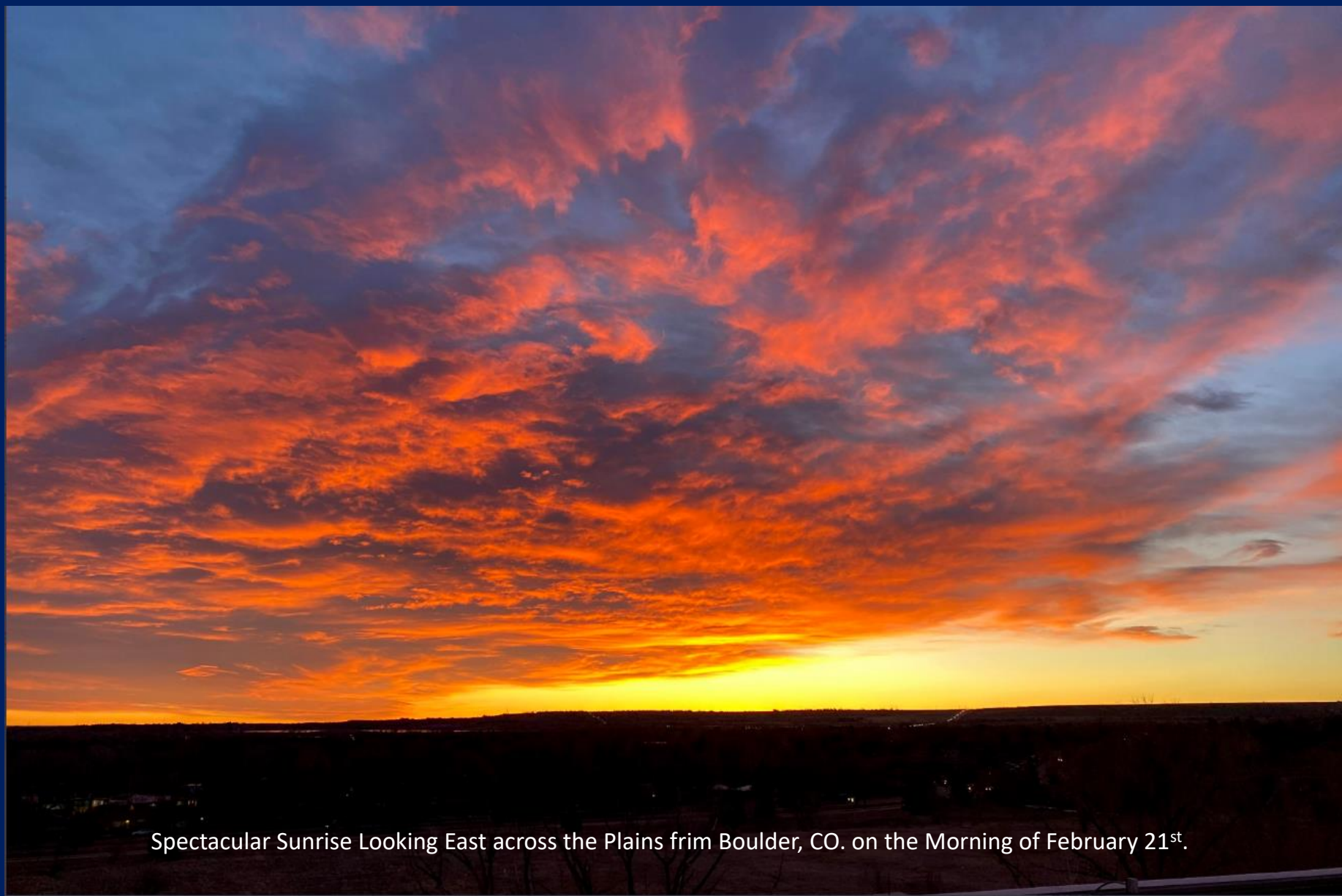
69

Livermore	68	Coal Creek Canyon	68
Dakota Hill	64	Berthoud Pass	63
US 85 Wyoming Border	63	Rocky Flats Hwy 93 and 72	63
I-70 Floyd Hill	62	Red Feather RAWS	58
I-70 Dumont	58	I-70 at C470	58
Virginia Dale	57	Christman Field Ft Collins	56
I-25 and Buckeye Rd	52	Boulder	49
Nunn	48	I-76 Julesburg	48
I-25 Berthoud	45	Broomfield Rocky Mtn Metro Airport	44

Akron

44

valid as of Mon Feb 27th 02:51 am - NWS Denver/Boulder



Spectacular Sunrise Looking East across the Plains from Boulder, CO. on the Morning of February 21st.



**Sunrise illuminating the Flatirons and Clouds Near Boulder, CO.
Photo taken from the rooftop of the David Skaggs Research Center**