

# March 2021 Climate Summary for the Denver Area

April 2021, in Denver saw below normal temperatures and slightly above normal precipitation. After a wet and snowy March, April started out dry and very warm as upper level high pressure dominated the Rocky Mountain Region. Temperatures the first 5 days of the month were in the 70s and low 80s with record to near record temperatures from the 3<sup>rd</sup> through the 5<sup>th</sup>.

An upper level trough of low pressure which moved across Colorado brought cooler temperatures along with some precipitation and light snow to Denver on the 6<sup>th</sup>. Dry weather returned on the 7<sup>th</sup> and continued through the 14<sup>th</sup> as Colorado was under the influence of dry northwesterly flow aloft. Temperatures fluctuated between above normal and below normal values during this period as occasional cold fronts moved across the area.

Denver experienced colder unsettled weather from the 15<sup>th</sup> through the 22<sup>nd</sup> as a series of storm systems moved across the state. During this time, Denver received all of its measurable monthly snowfall in three events.

Warm and drier weather returned on the 24<sup>th</sup> and continued through the 26<sup>th</sup> as upper level high pressure rebuilt over the Rocky Mountain Region. A potent storm system moving across the Southern and Central Rockies produced ample precipitation to North Central and Northeastern Colorado from the 27<sup>th</sup> through the 28<sup>th</sup>. Most of the precipitation from this system fell from the afternoon of the 27<sup>th</sup> into the early morning of the 28<sup>th</sup> with numerous location measuring over one inch of precipitation. Areas northeast of Denver saw the heaviest rainfall along with some severe weather with rainfall amounts over three inches in some locations. The heaviest rain occurred over southwestern Phillips County where 8 inches was measured. The official measurement site at Denver International Airport measured just under an inch. Snow fell across the higher elevations with some foothill and mountain locations measuring over one foot of snow with this system.

The month ended as it started with dry weather and temperatures in the upper.



## TEMPERATURES:

The average temperature at Denver International Airport for the month of April was 46.2 degrees F. which is 1.2 degrees below the normal of 47.4 degrees. Temperatures ranged from a high of 81 degrees on the 5<sup>th</sup> to a low of 15 degrees on the 20<sup>th</sup>. On April 3<sup>rd</sup> and 4<sup>th</sup>, the temperatures climbed to 78 and 80 degrees respectively which tied and set new records for the day.

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

56.4 – 1981  
56.3 – 1946  
55.5 – 1930  
55.3 – 1943  
54.8 – 1992  
53.8 – 1881  
53.6 – 1954  
53.3 - 2012, 1888  
53.2 - 1948

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

38.8 – 1920  
40.5 – 1997  
41.0 – 1983  
41.1 – 1873  
41.4 – 1957  
41.7 – 2013  
42.2 – 1945  
42.3 – 1984  
42.5 – 1899  
42.6 - 1918

# Record Breaking High Temperatures on April 4<sup>th</sup> 2021

Location	High Today	Start of Records
Antero Reservoir	63	1961
Buckhorn Mountain	67	1988
Evergreen	71	1961
Georgetown	64	1893
Denver	80	1872
Lake George	64	1960
Loveland	81	1989
Roxborough State Park	75	1995
Wheat Ridge	79	1981
Williams Fork Dam	64	1982

PRECIPITATION:

Denver received 2.02 inches of precipitation April 2021. This is 0.31 inches above the monthly average of 1.71 inches. The highest daily precipitation amount of 0.73 inches occurred on the 27th.

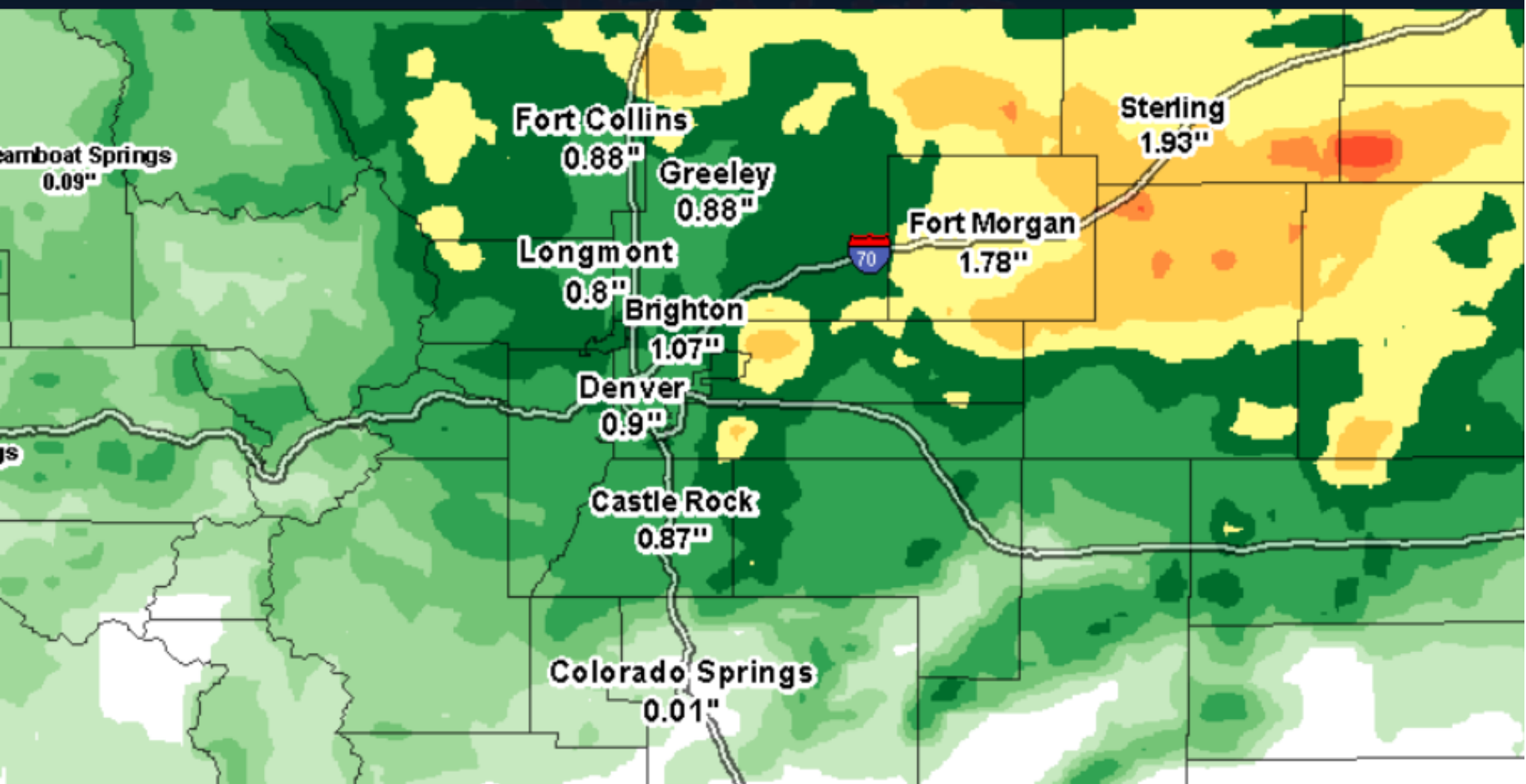
TEN WETTEST APRIL TOTALS IN DENVER WEATHER HISTORY  
SINCE 1872: INCHES:

- 8.24 – 1900
- 5.86 – 1999
- 4.95 – 1905
- 4.94 – 1885
- 4.13 – 1957
- 4.09 – 1933
- 4.07 – 1935
- 4.01 – 1942
- 3.95 – 1967
- 3.75 - 1914

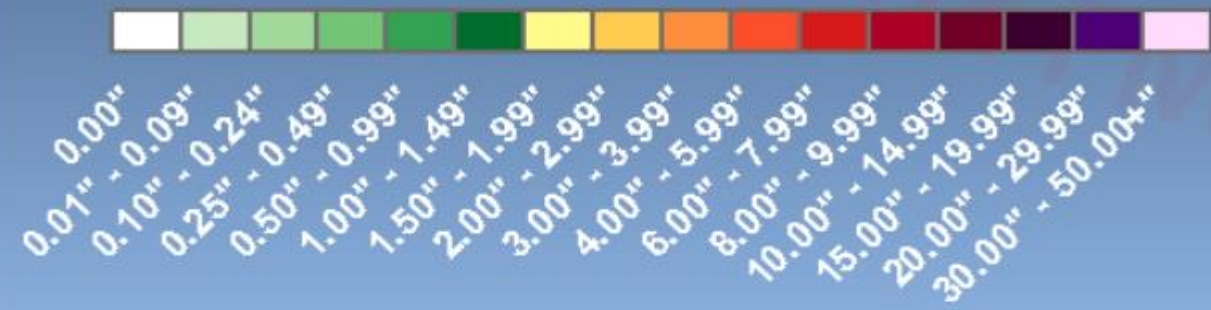
TEN DRIEST APRIL TOTALS IN DENVER WEATHER HISTORY  
SINCE 1872: INCHES:

- 0.03 – 1963
- 0.05 – 1878
- 0.23 – 2002
- 0.31 – 1880
- 0.32 – 2008
- 0.33 – 1996
- 0.34 – 1982
- 0.39 – 1908
- 0.40 – 1925
- 0.48 - 1955

# Rainfall Analysis 04/27/2021 06:00AM MDT to 04/29/2021 06:00AM MDT



## Rainfall Analysis 0" - 50"





# Rainfall Reports (in)

Afternoon April 27th – Morning of April 28th

2 W Highland Center	8.00	1 Sw St Petersburg	6.50
3 Sse Highland Center	4.33	5 E St Petersburg	4.00
Platner	3.76	5 N Pawnee Buttes	3.71
4 S Keenesburg	3.62	1 S Atwood	3.62
2 Nnw St Petersburg	3.22	New Raymer	3.19
Akron	3.00	3 Nne Akron	2.80
1 Ssw Union	2.80	5 E Antelope Springs	2.50
1 E Gary	2.24	1 E Gary	2.24
3 Ssw Hillrose	2.20	5 N Pawnee Pass	2.18
6 N Hyde	2.14	1 S Sterling	2.10

## SNOWFALL:

12.6 inches of snow fell during April 2021 which is 5.8 inches above the average of 6.8 inches. There were 4 days with measureable Snowfall during the month with the greatest daily snowfall of 4.2 inches measured on the 14<sup>th</sup>.

## TEN HIGHEST SNOW TOTALS FOR APRILS IN DENVER WEATHER HISTORY: INCHES

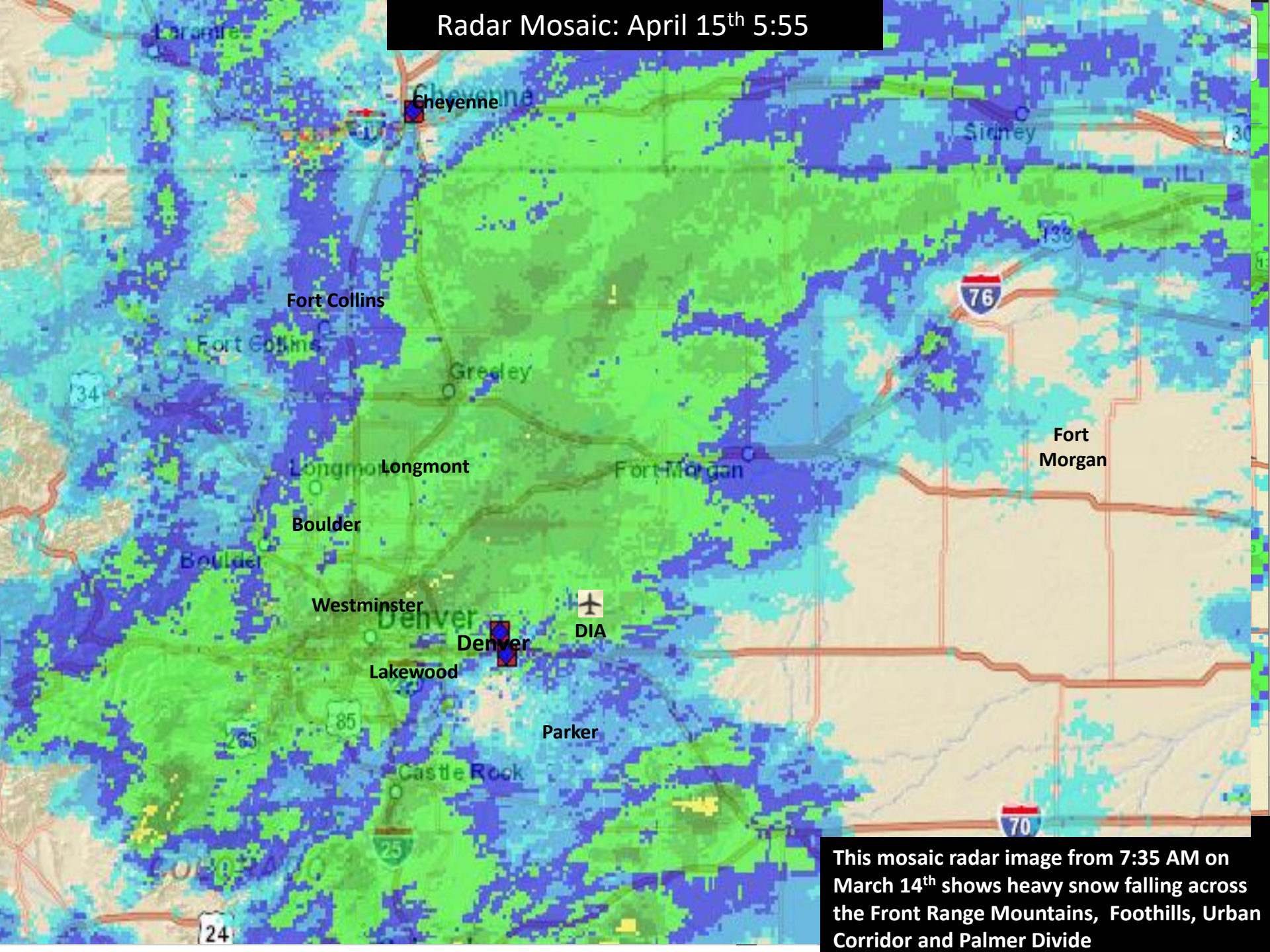
33.8 – 1933  
32.0 – 1885  
28.3 – 1920  
28.2 – 1954  
25.5 – 1957  
25.4 – 1909  
25.0 – 1907  
24.8 – 1973  
23.3 – 1935  
21.0 - 1922

## THIRTEEN LEAST SNOWIEST APRILS IN DENVER WEATHER HISTORY: INCHES

0.0 - 1995, 1982, 1943, 1930  
TRACE - 2002, 1969, 1946, 1925, 1915, 1910, 1889, 1888, 1887

There was 1 day in which thunder was observed at Denver International Airport. There were 10 days with fog and 5 days of dense fog with a visibility at or below  $\frac{1}{4}$  mile during the month. The peak wind gust of 47 mph from the north occurred on the 6th.

# Radar Mosaic: April 15<sup>th</sup> 5:55



This mosaic radar image from 7:35 AM on March 14<sup>th</sup> shows heavy snow falling across the Front Range Mountains, Foothills, Urban Corridor and Palmer Divide



Slick road conditions over the foothills and plains on the morning of April 16<sup>th</sup>



I-70 Just East of Lookout Mountain 8 am



I-70 Just West of Strasburg 8 am



I-25 & I-70 Denver 8 am



I-76 Wiggins/Bijou Creek 8 am

This photo was taken from the National Weather Service office on the morning of April 20<sup>th</sup>. 8.9" of snow was measured at the NWS office, with some locations in the foothills receiving over one foot of snow. Denver International Airport measured 3.2 inches of snow with this storm.





# Snowfall Reports (in)

April 27th – April 28th

3 Wnw Pingree Park	16	9 E Glendevey	16
4 Nnw Longs Peak	16	9 Se Cameron Pass	14
3 Nne Mount Audubon	14	2 W Jamestown	13
3 Sw Meeker Park	12	7 Nw Red Feather Lakes	12
4 S Longs Peak	11	1 Nnw Cameron Pass	11
8 Nw Glendevey	11	4 Ene Nederland	10.3
3 Sse Pinecliffe	9	3 Sw Ward	9
5 W Green Mountain Rese	8	1 Sse Loveland Pass	8
3 S Brainard Lake	8	2 S Estes Park	7.6
5 W Berthoud Falls	7	9 Sse Spicer	7

data valid as of Wed 11:32 am - NWS Denver/Boulder