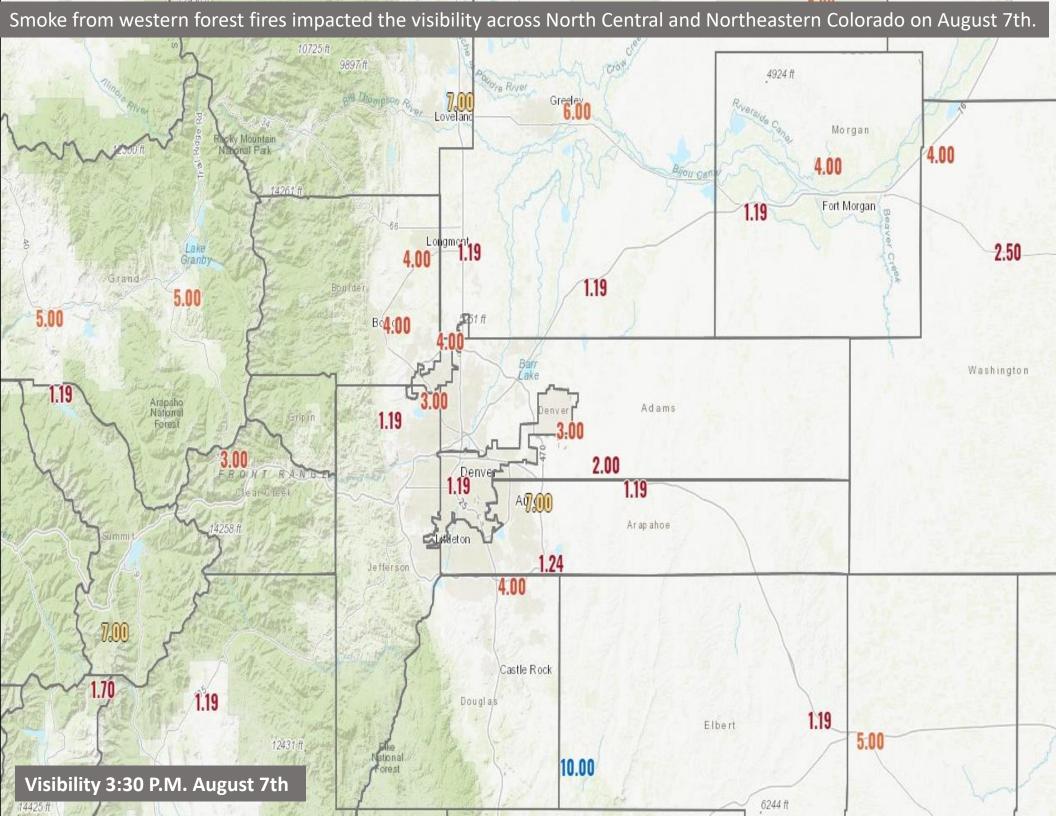
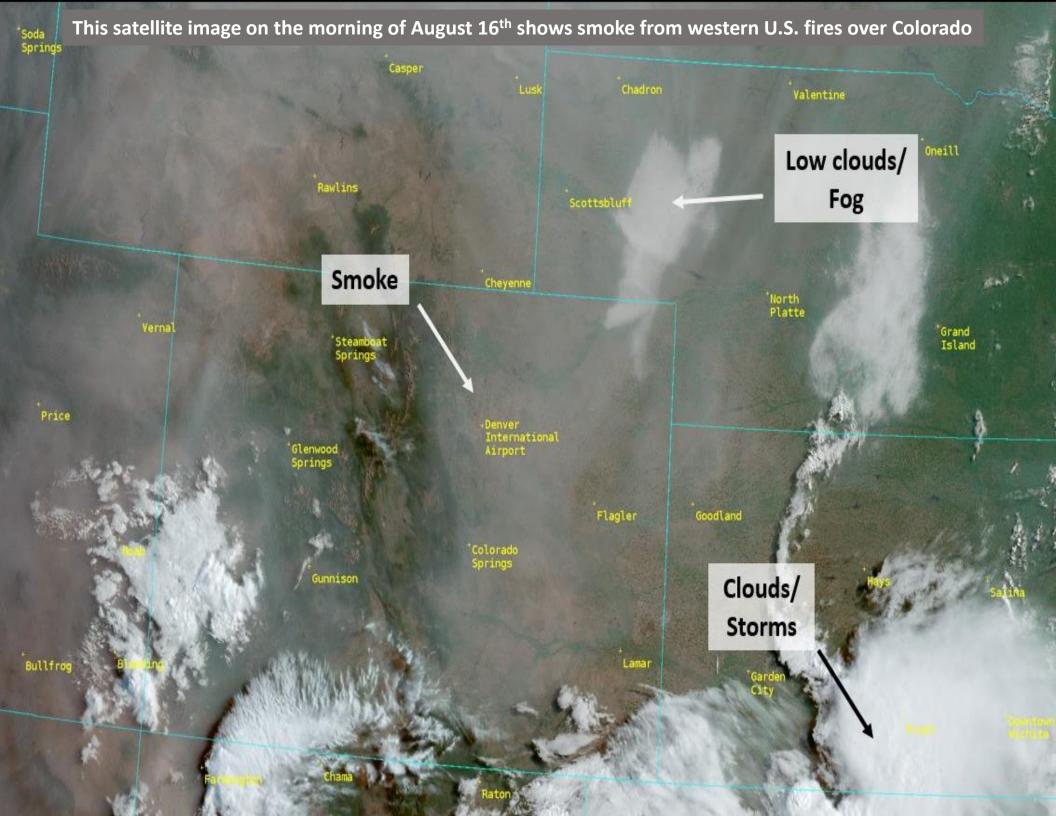


Denver experienced another hot and dry August as an upper level ridge of high pressure dominated the Rocky Mountain Region much of the month. Smoke from large forest fires across the western United States produced smoky and hazy skies across much of the region throughout the month. Monsoonal moisture produced periods of locally heavy rainfall across the region. However, the heavier rains were mainly confined to the high country and the plains northeast and southeast of Denver.





PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: DENVER CO

MONTH: AUGUST YEAR: 2021

LATITUDE: 39 52 N LONGITUDE: 104 40 W

TEMPERATURE IN F: : PCPN					PCPN:	SNOW: W			VIND :SUN			SHINE: SKY			:PK WND			
1	2	3	4	5	6A	6B	7	8	9 12z	10	11 MY	12 2MIN	13	14	15	16	5 17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW					MIN	PSBL	s-s	WX	SPD	DR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	296536348768862477305244 9999889999988999	59 57 63 57 66 63 68 59 66 68 58 66 66 66 67 66 67 66 67 67 67 67 67 67	71 736 74 751 79 77 77 77 77 77 77 77 77 77 77 77 77	-4 -2 1 -1 0 6 2 5 9 4 3 3 -1 6 3 6 7 7 0 5 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	000000000000000000000000000000000000000	8 11 9 10 16 7 14 18 12 12 8 14 11 15 15 7 2 5 11	0.00 0.00 0.00 T 0.00 0.00 0.00 0.00 0.	0.0000000000000000000000000000000000000	000000000000000000000000000000000000000	5.8 7.4 9.7 8.1 9.8 10.3 7.6 7.5 11.7 7.7 7.7 8.7 7.7 10.1 11.3 9.5 15.2 9.7	4 15 7 20 1 22 8 20 1 22 8 30 8 30 7 20 7 21 9 14 7 18 8 32 8 32 8 32 7 21 9 28 9 28	310 180 340 300 190 260 80 40 140 50 170 220 140 320 300 170 190 360	M M M M M M M M M M M M M M M M M	M M M M M M M M M M M M M M M M M M M	657514403423635134735243	18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	39 51 28 24	110 100 320 360 190 190 310 240 80 330 150 40 140 320 310 160 190 330
24	94	58	76	4	0		0.00	0.0	0	8.7			M	M	2	_	22	10
25 26	85 86	57 61	71 74	0	0	_	0.06	0.0	0	9.6			M M	M M	2 6	8 128	33 3 39	140 360
27	96	60	78	7	ŏ	_	0.00	М	M	10.3		200	M	M	4	3	26	190
28	92	62	77	6	ŏ		0.00	0.0	0	9.2			M	M	3	_	28	50
29	82	57	70	0	0		0.00	M	M	10.0		110	M	M	6		29	130
30	95	56	76	6	0		0.00	0.0	0	8.5			M	M	3	_		190
31	95	59	77	7	0	12	0.00	0.0	0	11.0	20	160	М	M	3	8	27	140
	2810					328	0.27	0.0		284.3			М		116			
	90.6								 :	9.2	PA	STST 220	М	М	4		MAX (MP) 51 160	
===																		

NOTES:

[#] LAST OF SEVERAL OCCURRENCES

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2 STATION: DENVER CO MONTH: AUGUST 2021 YEAR: LATITUDE: 39 52 N LONGITUDE: 104 40 W [TEMPERATURE DATA] [PRECIPITATION DATA] SYMBOLS USED IN COLUMN 16 AVERAGE MONTHLY: 75.4 TOTAL FOR MONTH: 0.27 1 = FOG OR MIST DPTR FM NORMAL: 2.5 DPTR FM NORMAL: -1.31 2 = FOG REDUCING VISIBILITY HIGHEST: 98 ON 9 GRTST 24HR 0.18 ON 19-19 TO 1/4 MILE OR LESS LOWEST: 53 ON 20 3 = THUNDER SNOW, ICE PELLETS, HAIL 4 = ICE PELLETS TOTAL MONTH: 0.0 INCH 5 = HAILGRTST 24HR 0.0 6 = FREEZING RAIN OR DRIZZLE GRTST DEPTH: 0 7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS 8 = SMOKE OR HAZE [NO. OF DAYS WITH] [WEATHER - DAYS WITH] 9 = BLOWING SNOW X = TORNADO MAX 32 OR BELOW: 0 0.01 INCH OR MORE: 4 MAX 90 OR ABOVE: 18 0.10 INCH OR MORE: 1 MIN 32 OR BELOW: 0 0.50 INCH OR MORE: 0 MIN 0 OR BELOW: 0 1.00 INCH OR MORE: 0 [HDD (BASE 65)] TOTAL THIS MO. 0 CLEAR (SCALE 0-3) 12 DPTR FM NORMAL -9 PTCLDY (SCALE 4-7) 19 TOTAL FM JUL 1 0 CLOUDY (SCALE 8-10) 0 DPTR FM NORMAL -8 [CDD (BASE 65)] TOTAL THIS MO. 328 DPTR FM NORMAL 74 [PRESSURE DATA] TOTAL FM JAN 1 927 HIGHEST SLP M ON M DPTR FM NORMAL 184 LOWEST SLP 29.57 ON 17 [REMARKS] #FINAL-08-21#

CLIMATE REPORT NATIONAL WEATHER SERVICE 905 AM MDT WED SEP 01 2021 ...THE DENVER CO CLIMATE SUMMARY FOR THE MONTH OF AUGUST 2021... CLIMATE NORMAL PERIOD 1991 TO 2020 CLIMATE RECORD PERIOD 1872 TO 2021 WEATHER OBSERVED NORMAL DEPART LAST YEAR'S VALUE DATE(S) VALUE FROM VALUE DATE(S) NORMAL TEMPERATURE (F) RECORD 105 08/08/1878 HIGH 40 08/26/1910 LOW 08/25/1910 08/24/1910 HIGHEST 98 08/09 97 -1 100 08/18 LOWEST 53 08/20 49 4 46 08/31 HIGHEST 53 08/20 49 4 ... 87.5 3.1 93.5 46 08/31 AVG. MINIMUM 60.2 58.3 1.9 60.6 2.5 77.1 MEAN 75.4 72.9 13.8 4.2 26 DAYS MAX >= 90 18 DAYS MAX <= 32 0 DAYS MIN <= 32 0 0.0 0.0 0 DAYS MIN <= 0 0 0.0 0.0 0 PRECIPITATION (INCHES) RECORD MAXIMUM 5.85 1979 MINIMUM 0.02 1924 TOTALS 1.58 -1.31 0.35 0.27 DAILY AVG. 0.01 0.05 -0.04 0.01 DAYS >= .01 4 DAYS >= .10 1 7.5 -3.5 3.6 -2.6 DAYS >= .50 0 DAYS >= 1.00 0 1.0 -1.0 0.2 -0.2 GREATEST 24 HR. TOTAL 0.18 08/19 TO 08/19 0.15 08/26 TO 08/26

SNOWFALL (INCHES)							
TOTAL 0.0 RECORD TOTAL 0.0	0.0						
DEGREE DAYS HEATING TOTAL 0 SINCE 7/1 0 COOLING TOTAL 328 SINCE 1/1 927	9 -9 1 8 -8 1 254 74 380 743 184 998						
FREEZE DATES RECORD EARLIEST 09/08/1962 LATEST 06/08/2007 EARLIEST LATEST	MM 05/12						
WIND (MPH) AVERAGE WIND SPEED 9.2 RESULTANT WIND SPEED/DIRECTION 2/190 HIGHEST WIND SPEED/DIRECTION 39/220 DATE 08/17 HIGHEST GUST SPEED/DIRECTION 51/160 DATE 08/21							
SKY COVER POSSIBLE SUNSHINE (PERCENT) MM AVERAGE SKY COVER 0.37 NUMBER OF DAYS FAIR 16 NUMBER OF DAYS PC 15 NUMBER OF DAYS CLOUDY 0							
HEAVY RAIN 0 LIGHT RAIN 8 LT FREEZING RAIN 0 HEAVY SNOW 0	MIXED PRECIP 0 RAIN 0 FREEZING RAIN 0 HAIL 0 SNOW 0 SLEET 0						
- INDICATES NEGATIVE NUMBERS. R INDICATES RECORD WAS SET OR TIED. MM INDICATES DATA IS MISSING. T INDICATES TRACE AMOUNT.							

TEMPERATURES:

The average temperature at Denver International Airport for August 2021 was 75.4 degrees F, which is 2.5 degrees above the normal of 72.9 degrees and tied for the $3^{\rm rd}$ warmest August on record. During the month, 18 days had temperatures that equaled or exceeded 90 degrees. The warmest temperature of the month was 98 degrees on the $9^{\rm th}$ which also tied the record high temperature for the date.

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

77.0 - 2020, 2011

76.8 - 1937

75.4 - 2021, 2019, 2007

75.3 - 1995

75.0 - 2012, 1994

74.7 - 1938

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

66.5 - 1915

66.6 - 1927

67.7 - 1920

67.8 - 1884

68.0 - 1888

68.1 - 1968

68.2 - 2004, 1967

68.4 - 1992, 1917

PRECIPITATION:

Denver Received 0.27 inches of precipitation in August 2021 which is 1.31 inches below the normal of 1.58 inches. There were only 4 days with measurable precipitation during the month, with the highest daily amount of 0.18 on the 19th.

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

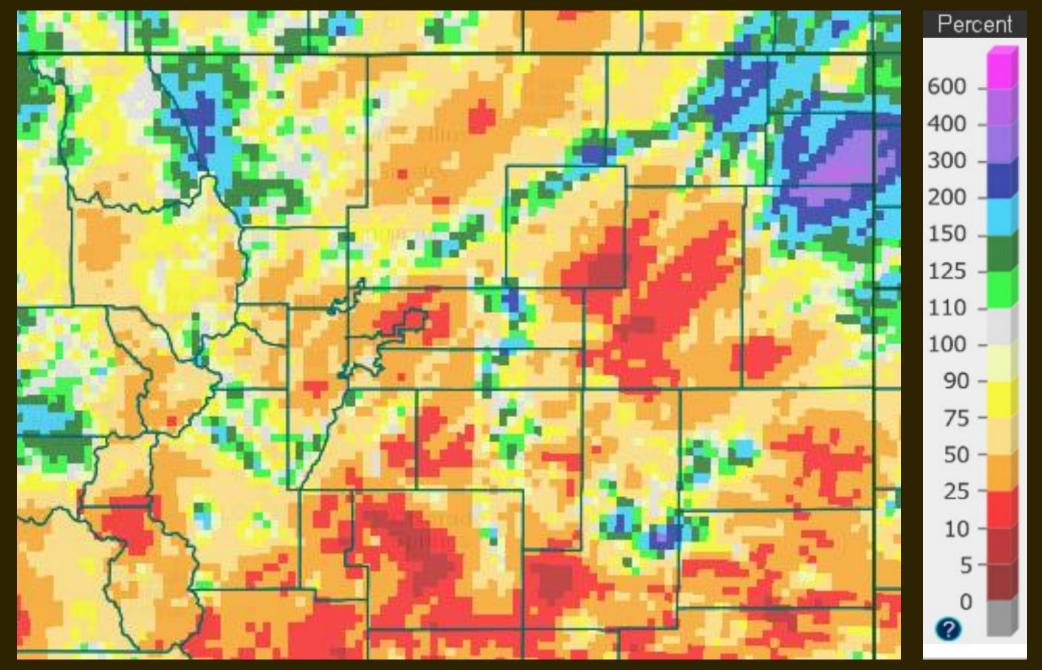
- 5.85 1979
- 4.47 1951
- 4.03 2008
- 3.87 1923
- 3.69 1991
- 3.52 1997
- 3.49 1921
- 3.37 1999
- 3.22 1936
- 3.20 1984

TEN DRIEST AUGUST PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE

1872: INCHES

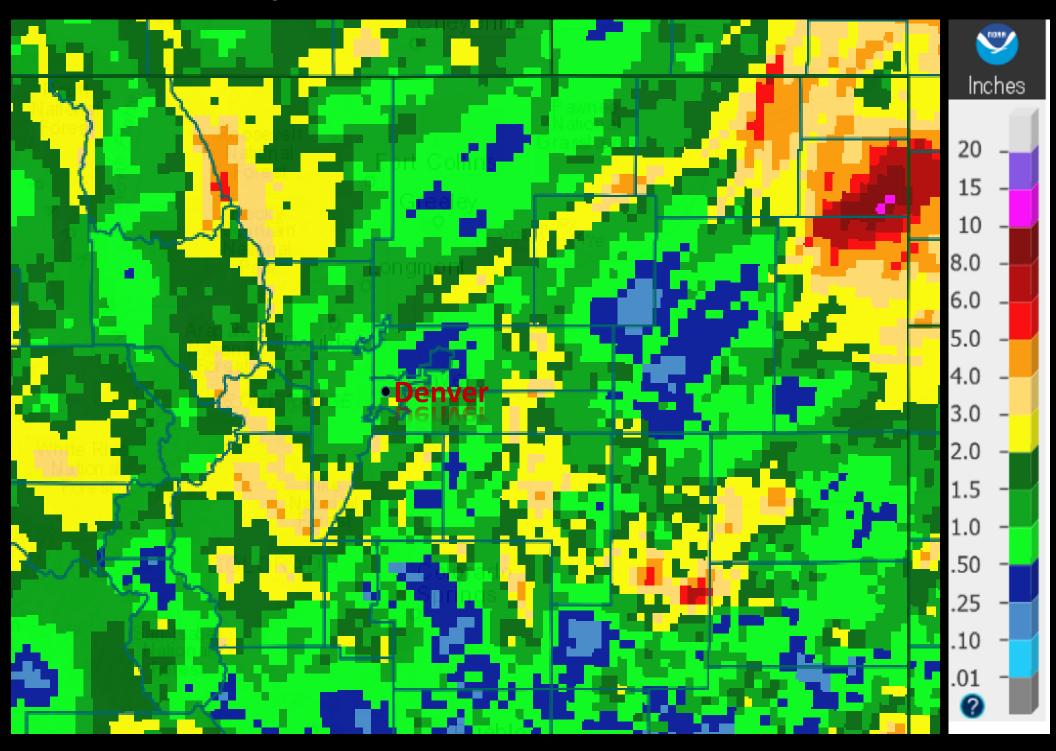
- 0.02 1924
- 0.05 1917, 1900
- 0.06 1960
- 0.11 2012
- 0.16 1974
- 0.19 1948
- 0.22 2016
- 0.23 1907
- 0.25 1959

August, 2021 Monthly Percent of Normal Precipitation



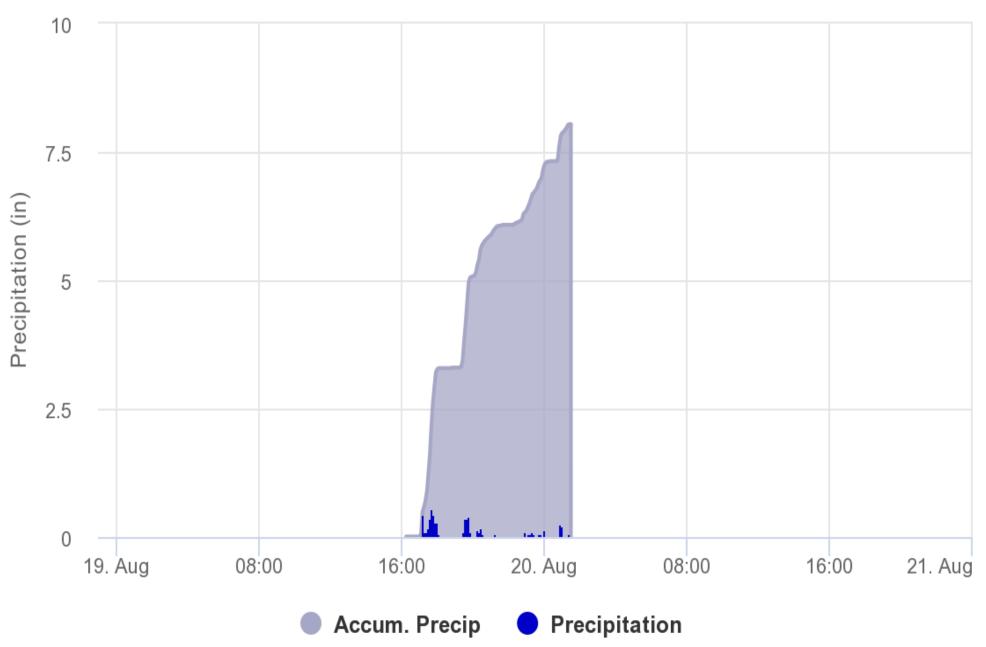
Most of the Front Range Urban Corridor experienced below normal precipitation during the month. Monsoonal moisture produced periods of heavy rain across the high country, especially over the northern mountains of Larimer County. The heavy rain resulted in periods of flash flooding across the burn areas. Numerous thunderstorms produced severe weather and very heavy rain across far northeastern Colorado during the late afternoon and evening of the 19th. Some areas across southeastern Phillips County received between 4 to 9 inches of rainfall from the storms.

August, 2021 Observed Precipitation



Precipitation for Holyoke (HYK02)





Miscellaneous Stats for August 2021:

There were 5 days in which thunder was observed at Denver International Airport during the month, as well as 5 days with fog and 18 days with smoke or haze. The peak wind gust of 51 mph from the south-southeast occurred on the 21st.