your window to the weather
SKYVIEWWEATHER

MHFD Message Summary – May 18, 2025

MHFD Products Issued

Counties	M 1	Valid	M 2	Valid	M 3	Valid	LIF	Issued
Adams	X	2:40 PM – 9:00 PM						
Arapahoe	X	2:40 PM – 9:00 PM						
Aurora	X	2:40 PM – 9:00 PM						
Boulder	X	2:40 PM – 9:00 PM						
Broomfield	X	2:40 PM – 9:00 PM						
Denver	X	2:40 PM – 9:00 PM						
DIA	X	2:40 PM – 9:00 PM						
Douglas	X	2:40 PM – 9:00 PM						
Jefferson	X	2:40 PM – 9:00 PM						
Arvada	X	2:40 PM – 9:00 PM						
Lakewood	X	2:40 PM – 9:00 PM						
Wheat Ridge	X	2:40 PM – 9:00 PM						

MHFD Product Summary

HPO issued at 901 with LOW Message potential
M1 was issued at 1440 for the entire District
IMS issued at 1455
IMS issued 1955 letting Messages expire at 2100

Meteorological Summary

A peculiar set up over the Denver Metro on Sunday, May 18, 2025, where multiple rounds of storms would impact portions of the District. Dew points during the morning would be elevated, in the upper 40s to around 50°F. These dew points would stick around throughout the day and into the evening hours.

Temperatures would be on the cool side, barely reaching 70°F by the early afternoon. Combined with good southwesterly upper-level support would result in strong to severe storms initially. These storms would build along a convergence line over northern Douglas County just after noon. By 1pm, a single severe storm would form over southeastern portions of the District bringing some isolated moderate to brief heavy rain, with mostly hail (up to 1.5” in diameter) and even a long-lasting tornado over far southeastern portions of the District.

As this storm moved eastward and out of the District, another round of storms would initiate along the foothills, just northeast of the District. Around 3pm, another severe storm would form in the Boulder area and would also produce moderate to brief heavy rainfall, with some hail. Once this storm moved into northern portions of the Denver Metro, additional rapid development would occur from Boulder to DIA and stretch southward into Arapahoe County during the early evening hours before any impactful rain would slowly clear out between 5pm-6pm. A few additional showers would persist through sundown, but no additional moderate to heavy rain was experienced.

Copyright © 2025 All Rights Reserved. The Weather Wire, a service of Skyview Weather®
Forecasts@SkyviewWeather.us | 303-688-9175 | www.SkyviewWeather.com

your window to the weather
SKYVIEWWEATHER

Moisture Variables

Sounding	PW (Precipitable H20)	Dew Points (Degree F)	Comments
12z	0.45”-0.55” (Est)	Mid to Upper 40s	0.49” NAM model derived PW
18z	0.50”-0.60” (Est)	Mid to Upper 40s	0.55” NAM model derived PW
0z	0.50”-0.60” (Est)	Low to Mid 40s	0.52” NAM model derived PW

Max Precipitation Reported 05/19/2025

If less than 0.4”, NOT reported/Note: ALERT totals are 24-hr totals for 5/18, CoCoRAHS is from~7am (05/18)-~7am (05/19)

Location	ALERT	CoCoRaHS	NWS	Comments
Adams				
Arapahoe				
Aurora				
Boulder		0.43” CO-BO-282 Boulder 4.4 S		
FMBA				
Broomfield				
Denver				
DIA				
Douglas				
Jefferson				
Arvada				
Lakewood				
Wheat Ridge				

NWS Products

A Severe Thunderstorm Warning was issued for eastern portions of the District, including South Central Adams County, Western Arapahoe County and Northeastern Douglas County from 1:09 PM MST, effective until 1:45 PM MST.

A Tornado Warning was issued for Central Arapahoe County at 1:12 PM MST effective until 1:45 PM MST.

A Severe Thunderstorm Warning was issued for Northeastern Jefferson County, Northeast Boulder, Southwest Boulder and Southeast Boulder County, Southwestern Broomfield County from 3:03 PM MST effective until 3:45 PM MST.

Copyright © 2025 All Rights Reserved. The Weather Wire, a service of Skyview Weather®
Forecasts@SkyviewWeather.us | 303-688-9175 | www.SkyviewWeather.com

Images

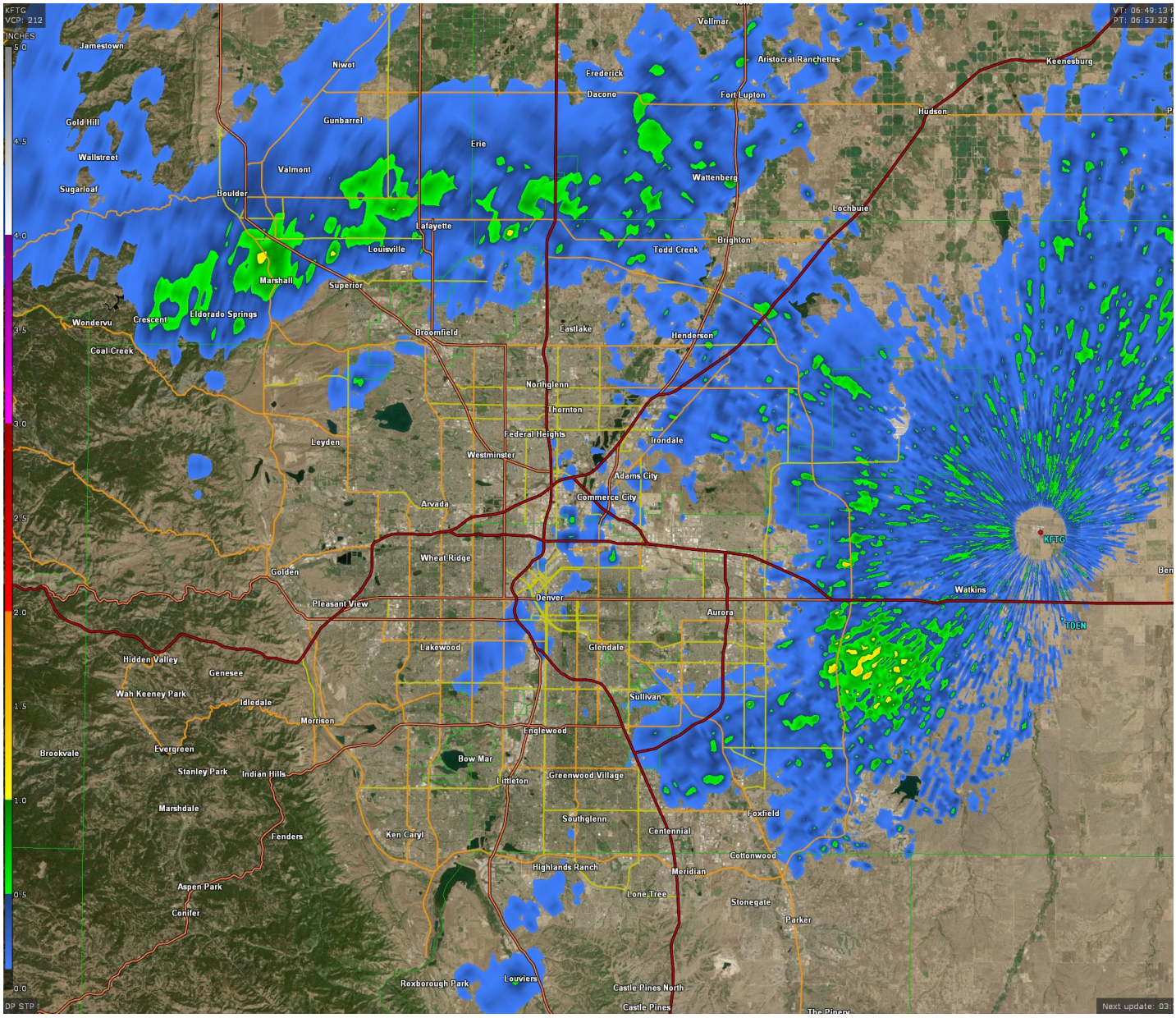


Fig 1: Storm Total Precipitation GR Level KDEN at 6:49 PM MST, 05/18/2025

Copyright © 2025 All Rights Reserved. The Weather Wire, a service of Skyview Weather®
Forecasts@SkyviewWeather.us | 303-688-9175 | www.SkyviewWeather.com

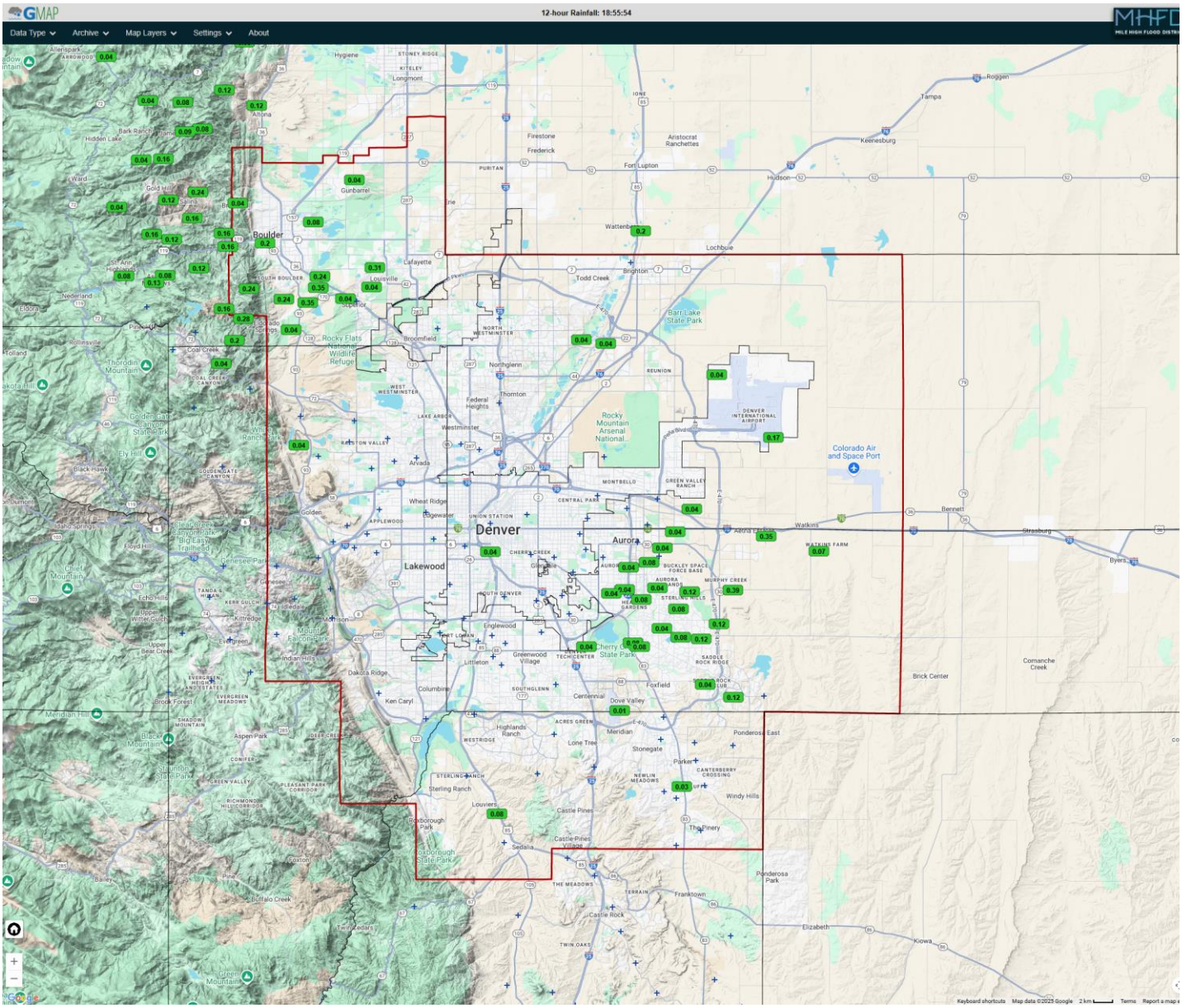


Fig 2: MHFD 12-Hour Rainfall Totals at 6:55 PM MST, 05/18/2025

Copyright © 2025 All Rights Reserved. The Weather Wire, a service of Skyview Weather®
Forecasts@SkyviewWeather.us | 303-688-9175 | www.SkyviewWeather.com