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MHFD Message Summary – Monday May 26, 2025

MHFD Products Issued

Counties	M 1	Valid	M 2	Valid	M 3	Valid	LIF	Issued
Adams	X	12:01PM – 9:00PM					X	3:21PM – 6:00PM
Arapahoe	X	12:01PM – 9:00PM					X	4:11PM – 6:30PM
Aurora	X	12:01PM – 9:00PM						
Boulder	X	12:01PM – 9:00PM						
Broomfield	X	12:01PM – 9:00PM						
Denver	X	12:01PM – 9:00PM						
DIA	X	12:01PM – 9:00PM					X	3:21PM – 6:00PM
Douglas	X	12:01PM – 9:00PM						
Jefferson	X	12:01PM – 9:00PM						
Arvada	X	12:01PM – 9:00PM						
Lakewood	X	12:01PM – 9:00PM						
Wheat Ridge	X	12:01PM – 9:00PM						

MHFD Product Summary

HPO issued at 921 with HIGH Message potential for the District
M1 was issued at 1201 for the entire District effective until 2100
IMS issued at 1225
M1 LIF issued for Adams County, areas east of HWY 85, effective 1521 until 1800
M1 LIF issued for DIA effective 1521 until 1800
M1 LIF issued for Arapahoe County effective 1611 until 1830
IMS issued 2022 letting Messages expire at 2100

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Meteorological Summary

After a couple of days with heavy rain across the Front Range, the low-pressure system would slowly meander eastward and into Kansas. Continued foggy conditions in the morning would slowly lift as high temperatures would once again remain in the low 60s for most areas within the District. This would help suppress most storms during the afternoon. However, with an abundance of moisture at the surface from previous days and the remanence of strong west/southwesterly upper-level support aloft, a line of strong thunderstorms would develop along a convergence zone for eastern portions of the District.

This line of storms would start to develop between 2:00PM – 3:00PM MST and least for a couple of hours before slowly moving eastward and out of the District. Most, if not all heavy rainfall would be well east of the E470 corridor during this event, and just southeast of DIA. Rainfall rates under these storms would likely produce 0.50” - 1.00” in 10-20 minutes with over 2.00” total in some locations. After a couple of days of heavy rain prior to this event, the rainfall during the afternoon was likely more impactful for some locations than it typically would have been.

As these storms moved out, a gust front would move west and through the District. This gust front would initiate additional storms along the foothills from Boulder to northern Jefferson County. A few moderate to brief heavy showers would develop, although the threat of any LOW IMPACT FLOODING was limited after the first round of strong storms. A few linger showers would persist into the late evening and overnight with mist/fog into Tuesday. Tuesday would finally tap into some drier air aloft resulting in just typical showers and isolated thunderstorms with no heavy rainfall threat.

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Moisture Variables

Sounding	PW (Precipitable H20)	Dew Points (Degree F)	Comments
12z	0.70”-0.75” (Est)	Upper 40s to Around 50	0.71” NAM model derived PW
18z	0.70”-0.75” (Est)	Upper 40s to Low 50s	0.72” NAM model derived PW
0z	0.75”-0.80” (Est)	Upper 40s to Low 50s	0.77” NAM model derived PW

Max Precipitation Reported 05/27/2025

If less than 0.4”, NOT reported/Note: ALERT totals are 24-hr totals for 5/26, CoCoRAHS is from~7am (5/26)-~7am (5/27)

Location	ALERT	CoCoRaHS	NWS	Comments
Adams		1.10” CO-AD-267		Watkins 1.4 NNE
Arapahoe	0.87” 10225000 – N Watkins	2.12” CO-AR-314		Watkins 10.0 S
Aurora		0.64 CO-AR-249		Aurora 5.7 E
Boulder	0.47” 4110 - Betasso	0.50” CO-BO-437		Boulder 2.1 W
FMBA				
Broomfield				
Denver				
DIA				
Douglas				
Jefferson				
Arvada				
Lakewood				
Wheat Ridge				

NWS Products

No National Weather Service products were issued during this event.

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Images

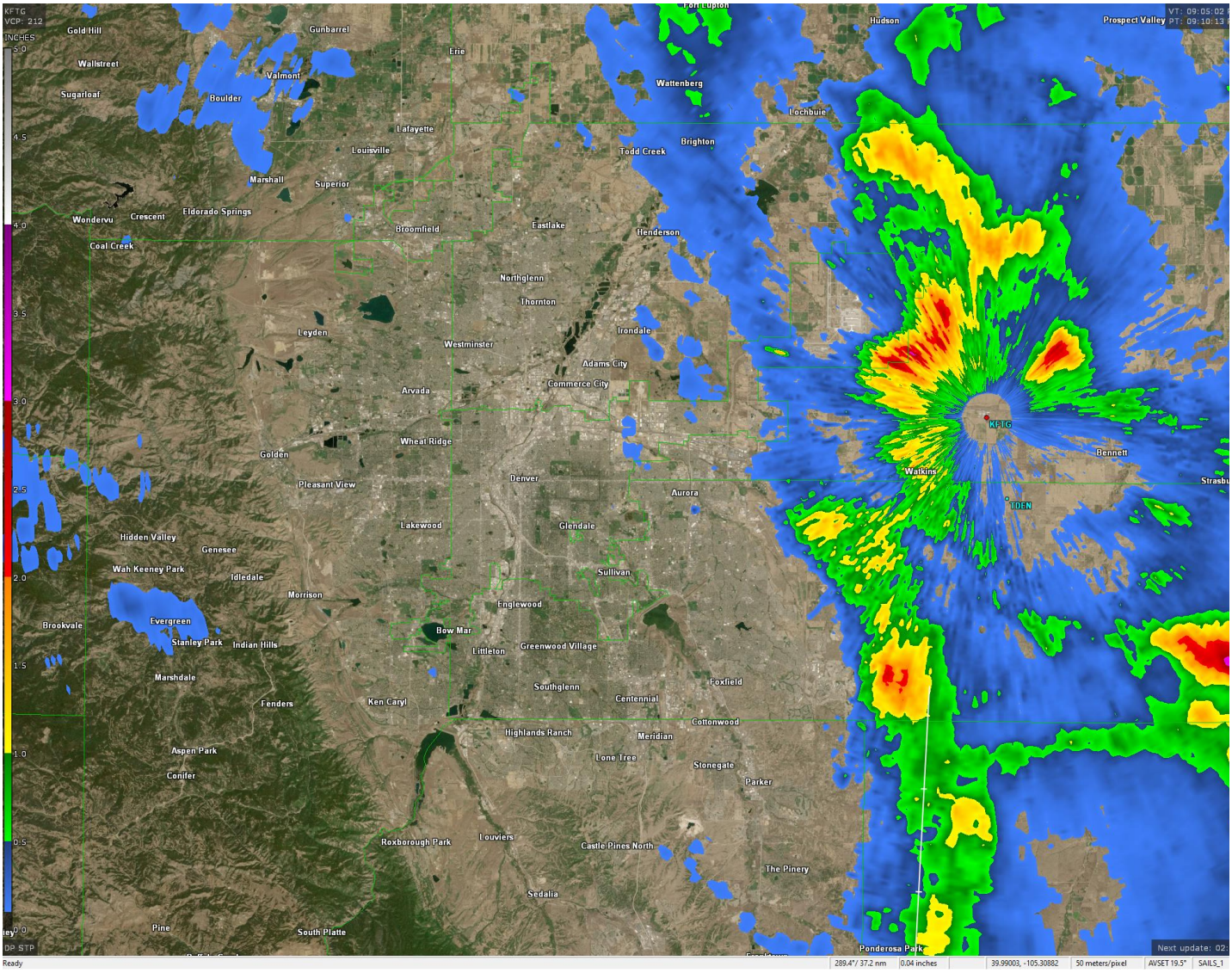


Fig 1: Storm Total Precipitation GR Level KFTG at 9:05 PM MST, 05/26/2025

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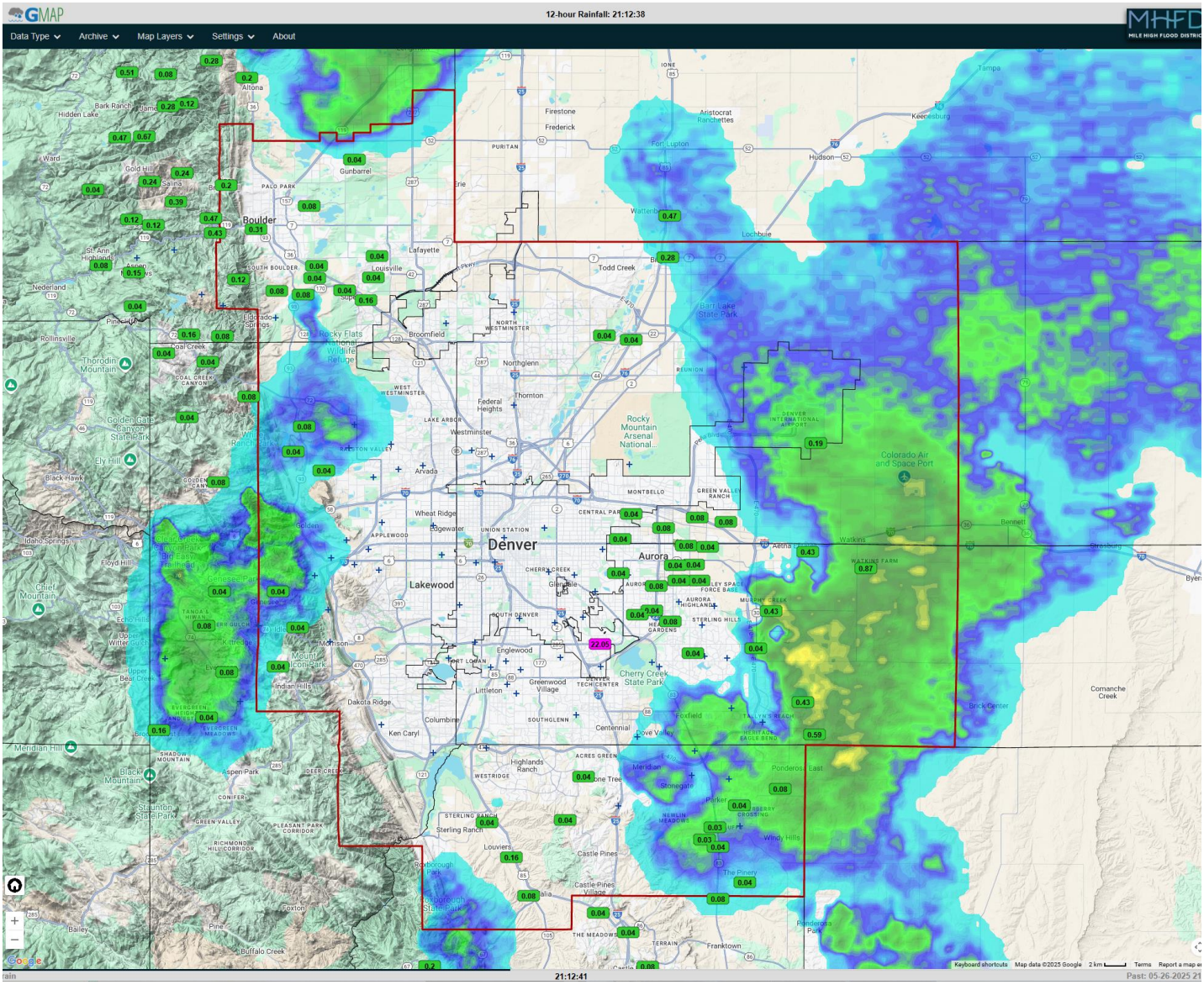


Fig 2: MHFD 12-Hour Rainfall Totals at 9:12 PM MST, 05/26/2025

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