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MHFD Message Summary – Thursday July 17, 2025

MHFD Products Issued

Counties	M 1	Valid	M 2	Valid	M 3	Valid	LIF	Issued
Adams	X	4:05pm – 10:00pm					X	5:31pm – 7:30pm
Arapahoe	X	4:05pm – 10:00pm						
Aurora	X	4:05pm – 10:00pm						
Boulder	X	4:05pm – 10:00pm						
Broomfield	X	4:05pm – 10:00pm						
Denver	X	4:05pm – 10:00pm					X	5:31pm – 7:30pm
DIA	X	4:05pm – 10:00pm					X	5:31pm – 7:30pm
Douglas	X	4:05pm – 10:00pm						
Jefferson	X	4:05pm – 10:00pm						
Arvada	X	4:05pm – 10:00pm						
Lakewood	X	4:05pm – 10:00pm						
Wheat Ridge	X	4:05pm – 10:00pm						

MHFD Product Summary

HPO issued at 0900 with MODERATE Message potential for Douglas County with LOW for all other areas
M1 was issued at 1605 effective until 2200
IMS issued at 1623
M1 LIF issued at 1731 for Adams County and Denver County, including DIA, effective until 1930
StormTrack #1 issued 1735
IMS issued 2117 letting Messages expire at 2200

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Meteorological Summary

On Thursday, July 17, 2025, continued warm temperatures and ample moisture at the surface and aloft would provide another day of active weather for the Denver Metro. A big storm day on the evening of July 16th provided significant precipitation in many parts of the Denver area, leaving considerable moisture at the surface on July 17th. Clear morning conditions would allow for good daytime heating by the afternoon with highs reaching the upper 80s to low 90s.

Thunderstorms began by mid-afternoon on the northwestern Douglas/ south-central Jefferson County line. These storms would prompt messages being issued, as an increase in storm intensity took aim for the district. This initial storm would weaken initially before moving through the south portion of Denver County. Quick strengthening took place over western Arapahoe County and southeastern Denver County, with storms providing a quick 0.20”-0.40” in 10-20 minutes.

This storm moved to the northeast towards DIA before dissipating as it continued eastward and out of the District. A few more weak, isolated thunderstorms would move near DIA shortly after, with drier air filling into the District by 7-8pm. Clear and dry conditions occurred in the evening and overnight with no additional rainfall in the District.

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Moisture Variables

Sounding	PW (Precipitable H20)	Dew Points (Degree F)	Comments
12z	0.80”-0.90” (Est)	Upper 40s to Low 50s	0.88” NAM model derived PW
18z	0.90”-1.00” (Est)	Low 50s	0.93” NAM model derived PW
0z	0.80”-0.90” (Est)	Mid 50s	0.83” NAM model derived PW

Max Precipitation Reported 7/18/2025

If less than 0.4”, NOT reported/Note: ALERT totals are 24-hr totals for 7/17, CoCoRAHS is from~7am (7/17)-~7am (7/18)

Location	ALERT	CoCoRaHS	NWS	Comments
Adams	0.47” 840 – Aurora Fire Station	0.47” CO-AD-170		Aurora 4.5 NW
Arapahoe				
Aurora	0.47” 840 – Aurora Fire Station			
Boulder				
Broomfield				
Denver	0.55” 1460 – Urban Farm			
DIA				
Douglas				
Jefferson				
Arvada				
Lakewood				
Wheat Ridge				

NWS Products

No National Weather Service products were issued for this event.

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Images

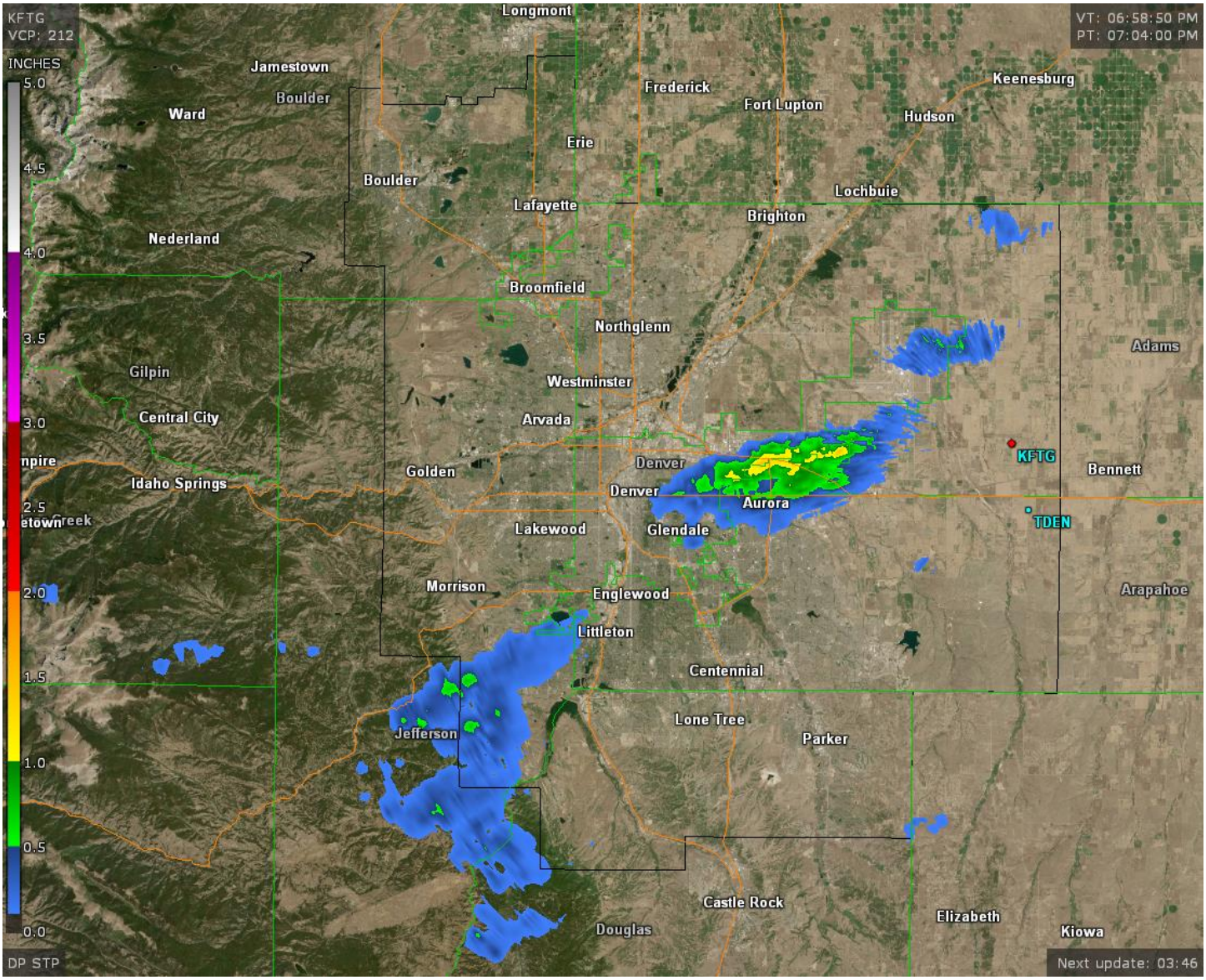


Fig 1: Storm Total Precipitation GR Level KFTG at 6:58 PM MST, 07/17/2025

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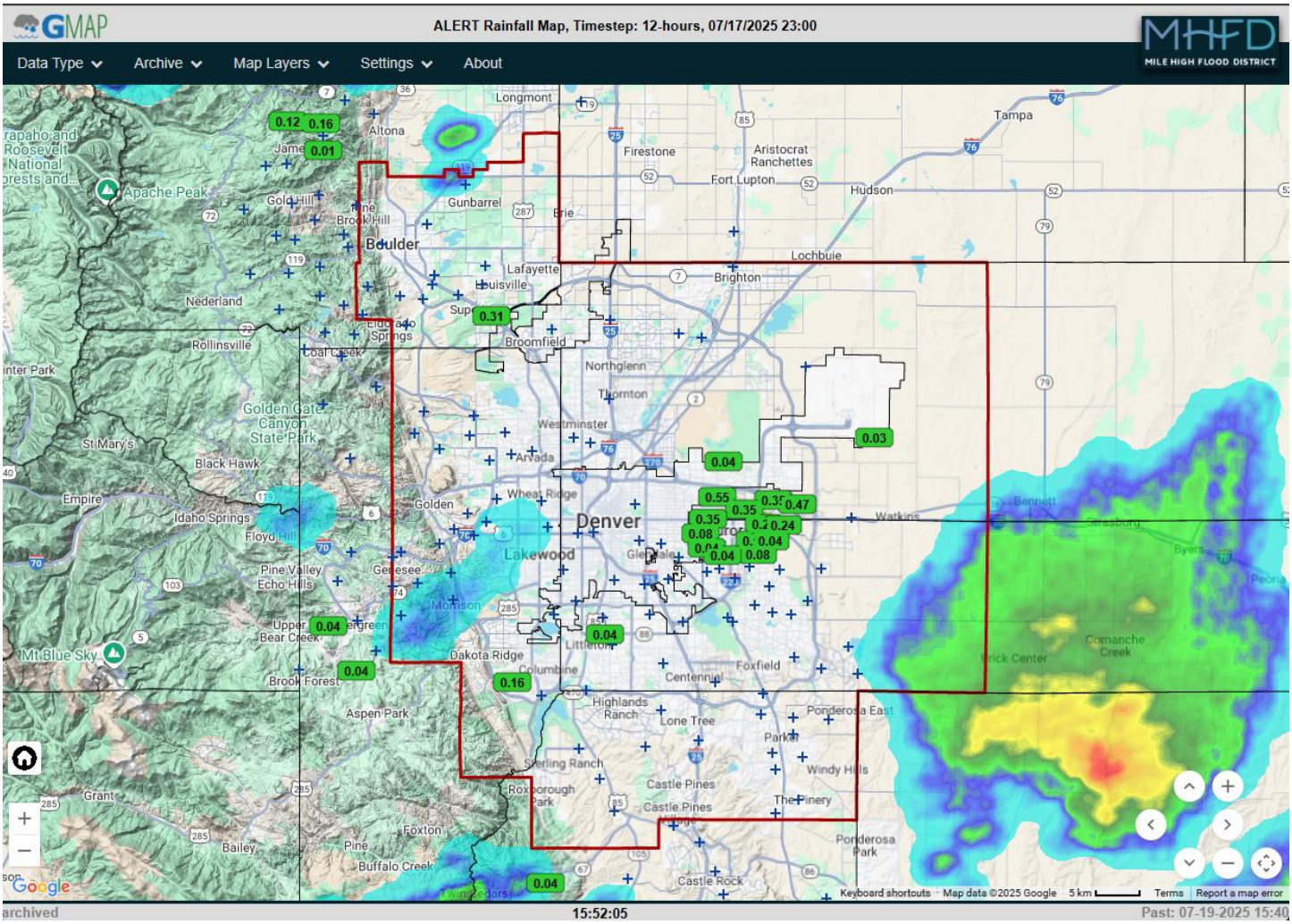


Fig 2: MHFD 12-Hour Rainfall Totals 07/17/2025 (Archived Data)

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