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MHFD Message Summary – Tuesday, June 24, 2025

MHFD Products Issued

Counties	M 1	Valid	M 2	Valid	M 3	Valid	LIF	Issued
Adams	X	12:00pm – 9:00pm					X	2:28pm – 4:30pm
Arapahoe	X	12:00pm – 9:00pm					X	2:08pm – 4:00pm
Aurora	X	12:00pm – 9:00pm					X	2:08pm – 4:00pm
Boulder	X	12:00pm – 9:00pm						
Broomfield	X	12:00pm – 9:00pm						
Denver	X	12:00pm – 9:00pm						
DIA	X	12:00pm – 9:00pm						
Douglas	X	12:00pm – 9:00pm					X	1:29pm – 3:30pm
Jefferson	X	12:00pm – 9:00pm						
Arvada	X	12:00pm – 9:00pm						
Lakewood	X	12:00pm – 9:00pm						
Wheat Ridge	X	12:00pm – 9:00pm						

MHFD Product Summary

HPO issued at 931 with HIGH Message potential for the entire District
M1 was issued at 1154 for the entire District effective 1200 until 2100
IMS issued at 1213
M1 LIF issued at 1329 for Douglas County effective until 1530
StormTrack #1 issued at 1338
M1 LIF issued at 1408 for Arapahoe County, including the City of Aurora, effective until 1600
M1 LIF issued at 1428 for Adams County effective until 1630
IMS issued 2000 letting Messages expire at 2100

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Meteorological Summary

After a couple of hot days with triple digit temperatures, portions of the District were poised to have explosive storm development as temperatures cooled and moisture increased behind a cold front. Dew points in the Denver Metro would be in the mid 50s to low 60s throughout much of the day, which is rare and generally results in very heavy rainfall.

High temperatures on Tuesday, June 24th, 2025, only reached the upper 70s to around 80°F for the Denver Metro. There would be warmer temperatures along the southern and eastern areas of the District as more persistent daytime heating would occur. This would inhibit most storms for the Denver area with strong to severe storms for areas east of the E470 corridor.

The first sign of storms would be along the Palmer Divide by midday. A gust front from the south would result in rapid storm development for north/northeastern Dougals County. This storm would become severe with heavy rainfall with not only 0.5” in 10 minutes, but also 1.0” in an hour alarm with that 1.0” coming in under 30 minutes.

This storm would slowly creep northeastward and into Arapahoe County where it would keep producing heavy rainfall rates, with both 0.5” in 10 minute and 1.0” in an hour alarm. These storms would also contain gusty winds, large hail and frequent cloud-to-ground lightning. As this storm continued to move northeastward, it would exit the District by 4:00 PM MST, with minimal additional rainfall within the District boundaries throughout the rest of the evening.

Another storm would develop in and around the Boulder area later in the evening. However, this storm would only produce heavy rainfall just outside of the District, towards Longmont. Skies would gradually clear in the late evening with some low level clouds filling in for Wednesday.

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Moisture Variables

Sounding	PW (Precipitable H20)	Dew Points (Degree F)	Comments
12z	0.90”-1.00” (Est)	Mid to Upper 50s	0.95” NAM model derived PW
18z	0.95”-1.05” (Est)	Mid 50s to Low 60s	0.99” NAM model derived PW
0z	1.05”-1.10” (Est)	Mid to Upper 50s	1.06” NAM model derived PW

Max Precipitation Reported 6/25/2025

If less than 0.4”, NOT reported/Note: ALERT totals are 24-hr totals for 6/24, CoCoRAHS is from~7am (6/24)-~7am (6/25)

Location	ALERT	CoCoRaHS	NWS	Comments
Adams				
Arapahoe	0.55” 950 – Piney at Liverpool	1.51” CO-AR-250		Watkins 7.2 SSE
Aurora	0.87” 940 – Sampson Gulch	0.98” CO-AR-259		Aurora 4.0 SSE
Boulder		0.52" CO-BO-230		Boulder 6.8 WNW
Broomfield				
Denver				
DIA				
Douglas	1.57” 2860 – Cherry Creek at Stroh	1.08” CO-DG-355		Parker 2.7 E
Jefferson				
Arvada				
Lakewood				
Wheat Ridge				

NWS Products

A Severe Thunderstorm Warning was issued for northeastern Douglas County, including The Pinery at 1:34 PM MST, effective until 2:00 PM MST. A Severe Thunderstorm Warning was issued for western Arapahoe County at 2:07 PM MST, effective until 2:45 PM MST.

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Images

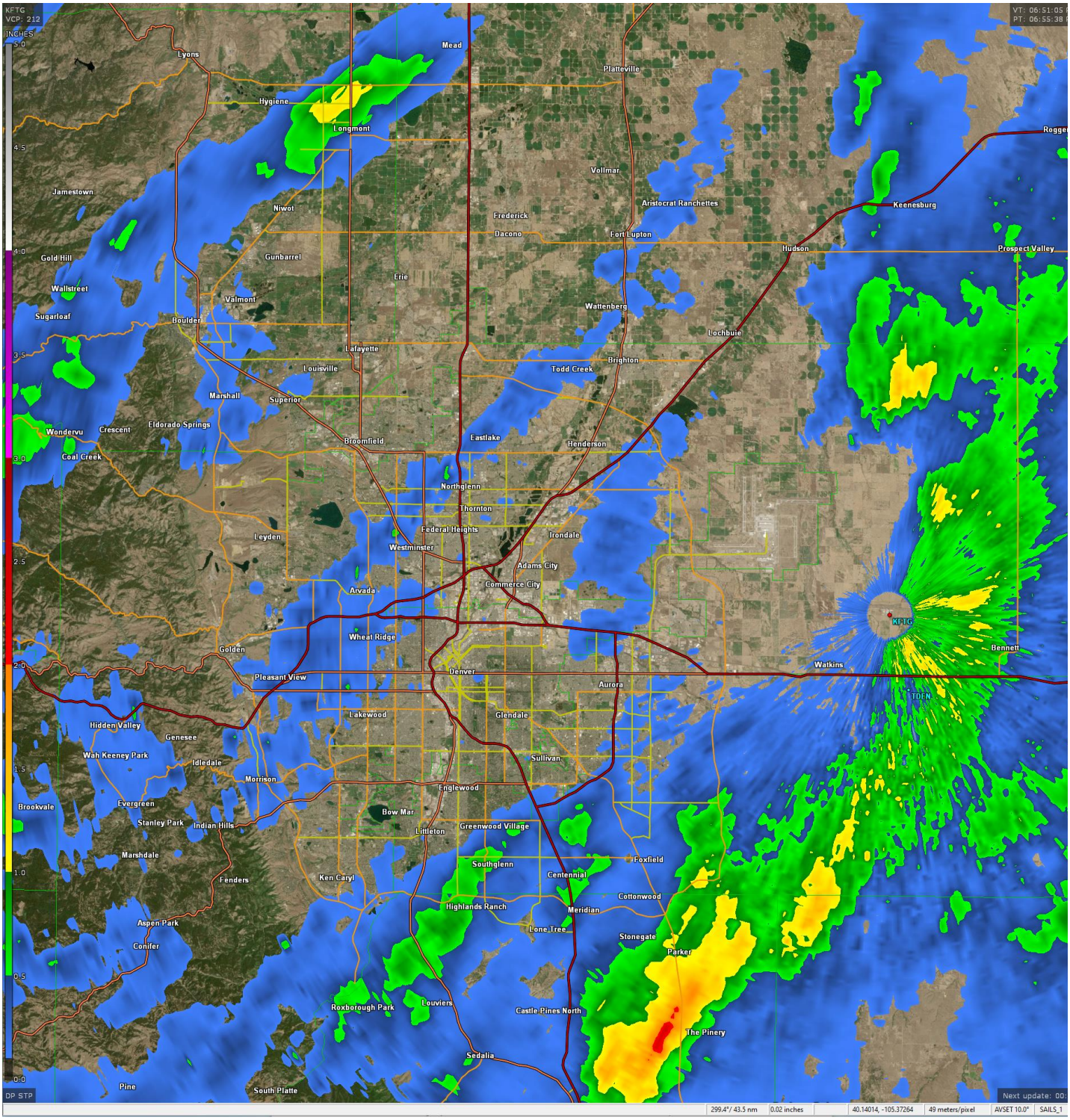


Fig 1: Storm Total Precipitation GR Level KFTG at 6:51 PM MST, 06/24/2025

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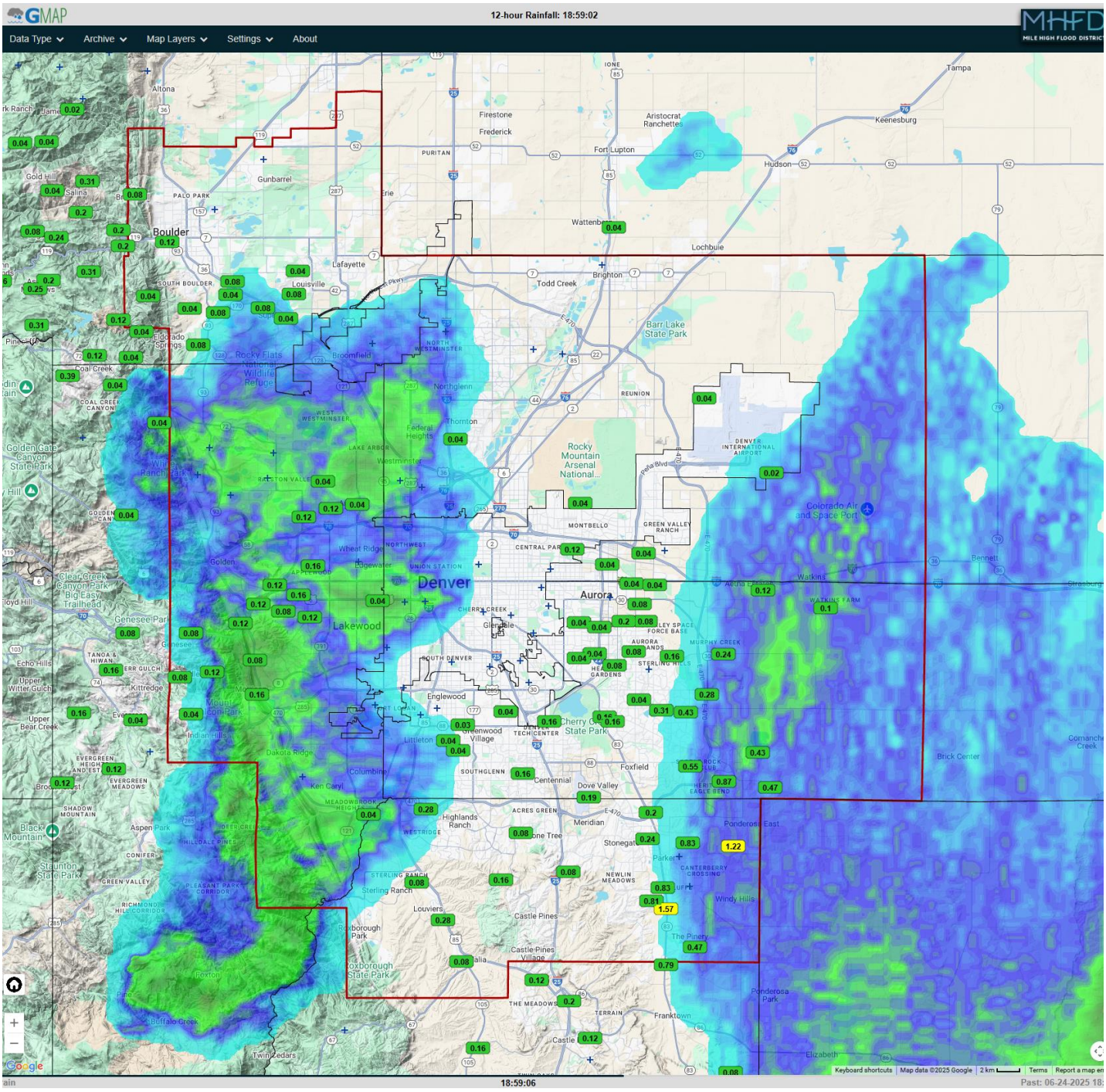


Fig 2: MHFD 12-Hour Rainfall Totals at 6:59 PM MST, 06/24/2025

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Urban Drainage and Flood Control District
ALERT Web Server

RAINFALL RATE ALARMS

Rainfall rate alarm	1.10 inches in 1 hour	3060	Fire Station No47	06/24/2025 14:06:20
Rainfall rate alarm	1.00 inch in 1 hour	3060	Fire Station No47	06/24/2025 14:04:20
Rainfall rate alarm	0.82 inches in 1 hour	3060	Fire Station No47	06/24/2025 14:01:22
Rainfall rate alarm	0.50 inches in 10 minutes	3060	Fire Station No47	06/24/2025 14:01:20
Rainfall rate alarm	0.50 inches in 30 minutes	3060	Fire Station No47	06/24/2025 14:01:20
Rainfall rate alarm	0.50 inches in 10 minutes	3060	Fire Station No47	06/24/2025 14:01:20
Rainfall rate alarm	0.50 inches in 30 minutes	3060	Fire Station No47	06/24/2025 14:01:20
Rainfall rate alarm	0.50 inches in 30 minutes	2730	Salisbury Park	06/24/2025 13:58:20
Rainfall rate alarm	0.50 inches in 10 minutes	2730	Salisbury Park	06/24/2025 13:58:20
Rainfall rate alarm	0.50 inches in 30 minutes	2730	Salisbury Park	06/24/2025 13:58:20
Rainfall rate alarm	0.50 inches in 10 minutes	2860	Cherry Creek at Stroh	06/24/2025 13:53:40
Rainfall rate alarm	1.00 inch in 1 hour	2860	Cherry Creek at Stroh	06/24/2025 13:47:40
Rainfall rate alarm	0.50 inches in 10 minutes	2850	CC blw Bayou Gulch	06/24/2025 13:46:00
Rainfall rate alarm	0.50 inches in 30 minutes	2850	CC blw Bayou Gulch	06/24/2025 13:44:01
Rainfall rate alarm	0.50 inches in 30 minutes	2860	Cherry Creek at Stroh	06/24/2025 13:41:40
Rainfall rate alarm	0.50 inches in 10 minutes	2860	Cherry Creek at Stroh	06/24/2025 13:41:40
Rainfall rate alarm	0.50 inches in 30 minutes	2860	Cherry Creek at Stroh	06/24/2025 13:41:40
Rainfall rate alarm	0.50 inches in 10 minutes	2860	Cherry Creek at Stroh	06/24/2025 13:41:40

Fig 3: MHFD Alarms for 06/24/2025

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