



Heavy Precipitation Outlook

Flash Flood Prediction Program

HOT WITH ISOLATED HIGH BASED SHOWERS/ISOLATED THUNDERSTORMS

- High pressure remains centered over southwestern Colorado, with a more stable airmass spreading over the plains today that should suppress thunderstorm activity. It will be a hot day across the lower elevations of the District with highs in the low to mid 90s
- Low level moisture remains elevated this morning, but drier and more stable air is arriving at the mid-levels. Low level moisture should mix out this afternoon with dew points projected to fall into the upper 30s to low 40s. Isolated thunderstorms will develop over the foothills this afternoon, while the plains should remain mostly dry with only a very low threat for a late day weak thunderstorm.
- Storms that develop should remain anchored to the higher terrain, with general movement to the SE at 10-15mph. Typical storms will be high based and produce light rainfall amounts, though some brief moderate rains will be possible over the foothills if a stronger storm manages to develop. Thunderstorm activity should quickly diminish after sunset.

STORM RAINFALL POTENTIAL AND DURATION: Typical showers and weak thunderstorms will produce rainfall amounts of TR-0.2" over the foothills and plains. A stronger thunderstorm over the foothills could produce rainfall of up to 0.4" in 10-30 minutes.

WORST CASE SCENARIO: A strong thunderstorm anchored to the foothills produces rainfall of up to 0.6" in 30-60 minutes.

A LOOK AHEAD: Today will be the driest day through the rest of the week as enhanced monsoonal moisture aloft will move into the region Wednesday resulting in a better chance for heavy rain showers and strong thunderstorms, with chances increasing both Thursday and Friday as the monsoonal moisture remains in place over the region.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Arapahoe	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Boulder	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Broomfield	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Denver	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Douglas	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Jefferson	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Foothills above 6500ft			
Boulder	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Douglas	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE
Jefferson	200 PM TO 800 PM	Trace (50%) to 0.2" (20%) to 0.6" (5%)	NONE

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

