



Heavy Precipitation Outlook

Flash Flood Prediction Program

ONE TO TWO ROUNDS OF STRONG TO SEVERE THUNDERSTORMS THIS AFTERNOON AND EARLY EVENING

- A vigorous upper level disturbance to the west currently will move through the District this afternoon and early evening producing 1-2 rounds of strong to severe thunderstorms with the potential for heavy rainfall. Best chances for thunderstorms will be between 3-9pm. Greatest threat for severe weather will be in the form of gusty straight-line winds and large hail.
- Thunderstorms will be relatively fast moving at around 20mph from WSW to ENE which will help to lower point rainfall amounts but... South to southeasterly surface winds will develop this afternoon and likely set up a wind convergence line over the District and could allow for storms to move more slowly or anchor briefly resulting in an extended period of heavy rainfall that may lead to excessive runoff and flash flooding. Greatest threat for heavy rainfall will be along and east of I-25.
- Temperatures will be cooler behind a cold front that moved through this morning with readings in the upper 70's to lower 80's over the plains. Temperatures in the Front Range foothills will top out in the lower 70's.

STORM RAINFALL POTENTIAL AND DURATION: Weak to moderate thunderstorms will produce 0.1-0.4" in 10-30 minutes. Strong thunderstorms will have the potential to produce 0.4-1.2" in 10-30 minutes.

WORST CASE SCENARIO: A slower moving thunderstorm or a briefly anchored thunderstorm may result in up to 2.2" of rainfall in 60 minutes or less.

A LOOK AHEAD: Drier air will move into the District on Monday with dry conditions expected across the District. Temperatures will rebound into the low and mid 80's over the plains.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	300 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (30%)	HIGH
Arapahoe	300 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (30%)	HIGH
Broomfield	300 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (30%)	HIGH
Denver	300 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (30%)	HIGH
Boulder	230 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (25%)	HIGH
Douglas	230 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (25%)	HIGH
Jefferson	230 PM TO 900 PM	0.1" (95%) to 0.4" (65%) to 1.2" (25%)	HIGH
Foothills above 6500ft			
Boulder	200 PM TO 800 PM	0.1" (95%) to 0.4" (60%) to 1.2" (20%)	HIGH
Douglas	200 PM TO 800 PM	0.1" (95%) to 0.4" (60%) to 1.2" (20%)	HIGH
Jefferson	200 PM TO 800 PM	0.1" (95%) to 0.4" (60%) to 1.2" (20%)	HIGH

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

