



Heavy Precipitation Outlook

Flash Flood Prediction Program

CONTINUED WARM WITH ISOLATED AFTERNOON THUNDERSTORMS

- A trough of low pressure will pass north of the District today, resulting in scattered clouds and breezy west/southwest winds this afternoon. Temperatures will be quite warm once again with highs in the mid to upper 80s on the plains.
- Upper level lift associated with the passing trough will lead to some isolated showers and thunderstorms this afternoon, favoring northern and eastern areas of the District. Storms will initially develop over the foothills as early as midday, with the best chance of storms over the plains during the early to mid afternoon hours.
- Low level moisture will be sparse today and storm motions will be relatively fast to the NE at 20-25mph, therefore only light rainfall is expected with any showers or thunderstorms this afternoon. Drier and more stable air will arrive late today as the trough lifts north of the area, with dry conditions expected across the District by sunset.

STORM RAINFALL POTENTIAL AND DURATION: Typical showers and weak thunderstorms will produce rainfall amounts of TR-0.15" in 10-30 minutes, with up to 0.3" possible in 10-30 minutes if a stronger thunderstorm manages to develop.

WORST CASE SCENARIO: Training of thunderstorms results in rainfall of up to 0.5" in 30-45 minutes.

A LOOK AHEAD: Wednesday will feature cooler temperatures and less cloud cover behind today's system, but there may be just enough moisture/instability that an isolated high-based thunderstorm can't be ruled out, mainly over the foothills/Palmer Divide. Thursday through Saturday, chances for isolated showers and thunderstorms will remain in the forecast due to an active upper level pattern in place just north of the District. However, moisture will be limited with only light rainfall expected with any storms. Temperatures will remain above average through Friday, before a cold front arrives Saturday with cooler temperatures.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	100 PM TO 600 PM	Trace (60%) to 0.1" (30%) to 0.3" (10%)	NONE
Arapahoe	100 PM TO 600 PM	Trace (50%) to 0.1" (25%) to 0.3" (5%)	NONE
Boulder	100 PM TO 600 PM	Trace (60%) to 0.1" (30%) to 0.3" (10%)	NONE
Broomfield	100 PM TO 600 PM	Trace (60%) to 0.1" (30%) to 0.3" (10%)	NONE
Denver	100 PM TO 600 PM	Trace (60%) to 0.1" (30%) to 0.3" (10%)	NONE
Douglas	100 PM TO 600 PM	Trace (40%) to 0.1" (20%) to 0.3" (5%)	NONE
Jefferson	100 PM TO 600 PM	Trace (60%) to 0.1" (30%) to 0.3" (5%)	NONE
Foothills above 6500ft			
Boulder	1200 PM TO 600 PM	Trace (70%) to 0.1" (30%) to 0.3" (10%)	NONE
Douglas	1200 PM TO 600 PM	Trace (50%) to 0.1" (20%) to 0.3" (5%)	NONE
Jefferson	1200 PM TO 600 PM	Trace (70%) to 0.1" (30%) to 0.3" (5%)	NONE

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

