



Heavy Precipitation Outlook

Flash Flood Prediction Program

WARMER WITH ISOLATED AFTERNOON THUNDERSTORMS FAVORING THE HIGHER TERRAIN

- High pressure is shifting westward into Western Colorado today, which will lead to a more stable airmass over the District. Temperatures will be a little warmer today with highs in the upper 80s to low 90s on the plains. Areas of low clouds and fog this morning will give way to clearing skies by early afternoon.
- Moisture will decrease some across the District today, but will still remain elevated at both the low and mid levels with dewpoints projected in the upper 40s to low 50s this afternoon. Thunderstorms are expected to develop over the higher terrain by early afternoon, but a strong mid-level inversion will be a limiting factor for thunderstorm development on the plains.
- Thunderstorm activity today will be more isolated in coverage and will favor the foothills and Palmer Divide with storm motions to the S/SE at 12-17mph. Storm chances will be limited on the plains this afternoon and evening, but some isolated activity still can't be ruled out. If a stronger thunderstorm does manage to develop inside the District, the potential will exist for heavy rainfall given the deep moisture in place.

STORM RAINFALL POTENTIAL AND DURATION: Typical weak to moderate thunderstorms will produce rainfall amounts of TR-0.3" in 10-30 minutes. A strong thunderstorm will be capable of producing rainfall of 0.3-1.0" in 10-30 minutes.

WORST CASE SCENARIO: Training of thunderstorm cells results in heavy rainfall of up to 2.5" in 60-90 minutes.

A LOOK AHEAD: Similar conditions are expected Saturday with isolated afternoon thunderstorms primarily confined to the higher terrain. Storm chances will be limited on the plains, but if stronger storms manage to develop then moderate to heavy rainfall would be possible. Thunderstorm chances and heavy rainfall potential will increase from Sunday through early next week as a more active northwest flow pattern develops. The second half of next week is looking quite active as well as a more favorable monsoonal flow develops over Colorado.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	300 PM TO 900 PM	Trace (70%) to 0.3" (40%) to 1.0" (10%)	LOW
Arapahoe	300 PM TO 900 PM	Trace (70%) to 0.3" (40%) to 1.0" (10%)	LOW
Boulder	300 PM TO 900 PM	Trace (80%) to 0.3" (40%) to 1.0" (10%)	LOW
Broomfield	300 PM TO 900 PM	Trace (70%) to 0.3" (40%) to 1.0" (10%)	LOW
Denver	300 PM TO 900 PM	Trace (70%) to 0.3" (40%) to 1.0" (10%)	LOW
Douglas	300 PM TO 900 PM	Trace (80%) to 0.3" (40%) to 1.0" (10%)	LOW
Jefferson	300 PM TO 900 PM	Trace (80%) to 0.3" (40%) to 1.0" (10%)	LOW
Foothills above 6500ft			
Boulder	100 PM TO 900 PM	Trace (90%) to 0.3" (50%) to 1.0" (15%)	LOW
Douglas	100 PM TO 900 PM	Trace (90%) to 0.3" (55%) to 1.0" (15%)	LOW
Jefferson	100 PM TO 900 PM	Trace (90%) to 0.3" (55%) to 1.0" (15%)	LOW

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

