



Heavy Precipitation Outlook

Flash Flood Prediction Program

WARM TODAY WITH A CHANCE FOR AFTERNOON/EVENING SHOWERS/THUNDERSTORMS

- High pressure remains dominate over Colorado today resulting in another day with high temperatures in the low 90's across the District. Sunny skies early with clouds increasing this afternoon and into the evening as a weak upper level disturbance moves through the region later today.
- Slightly more available moisture today both aloft and on the surface where dew points are expected in the mid to upper 40's this afternoon. Thunderstorms are expected to develop over the higher terrain by midday, before moving out onto the plains this afternoon with multiple rounds of thunderstorms possible with showers potentially lasting until midnight before tapering off, although the best chance for heavy rain will be until sunset today.
- The strongest thunderstorm activity today will favor areas east of I-25 where better surface moisture and a more buoyant atmosphere is expected. Storm motions will generally be west to east at 12-17mph, although outflow boundaries could produce slow moving erratic storms with localized heavy rainfall.

STORM RAINFALL POTENTIAL AND DURATION: Typical weak to moderate thunderstorms will produce rainfall amounts of 0.1-0.3" in 10-30 minutes. A strong thunderstorm will be capable of producing rainfall of 0.3-0.8" in 10-30 minutes.

WORST CASE SCENARIO: Training of thunderstorm cells, or an outflow boundary cell, results in heavy rainfall of up to 1.8" in 60-90 minutes.

A LOOK AHEAD: High pressure will begin to move SW Monday resulting in an increase of available moisture aloft which will bring a better chance for showers/thunderstorms along with an increased chance for heavy rainfall across the District. The pattern stays in place through the week bringing showers/thunderstorm chances every afternoon/evening through the week.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Arapahoe	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Boulder	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Broomfield	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Denver	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Douglas	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Jefferson	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Foothills above 6500ft			
Boulder	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Douglas	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW
Jefferson	100 PM TO 800 PM	0.1" (60%) to 0.3" (40%) to 0.8" (10%)	LOW

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

