



# 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 upper 80's to low 90's across the District. Sunny skies early with clouds increasing this afternoon and into the evening as an upper level disturbance moves through the region this evening.
- Northwest upper level flow will dominate over the region today, combined with an increase of upper level moisture and dew points expected in the upper 40's to low 50's will result in a chance for afternoon and evening showers/isolated thunderstorms across the District with the best chance for thunderstorm activity before sunset, although with strong upper level support in NE Colorado, a late evening shower/isolated thunderstorm cannot be ruled out at this time.
- 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 northwest to southeast at 15-20mph, although outflow boundaries could produce stationary or erratic storm movement, with localized heavy rainfall.

**STORM RAINFALL POTENTIAL AND DURATION:** Typical weak to moderate thunderstorms will produce rainfall amounts of 0.1-0.4" in 10-30 minutes. A strong thunderstorm will be capable of producing rainfall of 0.4-1.0" in 10-30 minutes.

**WORST CASE SCENARIO:** Training of thunderstorm cells, or an outflow boundary cell, results in heavy rainfall of up to 2.5" in 60-90 minutes.

**A LOOK AHEAD:** This pattern will remain in place for most of the week bringing chances for afternoon and early evening thunderstorms across the District through the week. Temperatures this week will be seasonal with upper 80's to low 90's expected through Friday.

Location	Prime Time	30-Minute Rainfall and % Probability	Message Potential
<b>Plains</b>			
Adams	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Arapahoe	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Boulder	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Broomfield	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Denver	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Douglas	Current TO 1000 PM MON	0.1" (50%) to 0.4" (30%) to 1.0" (10%)	LOW
Jefferson	Current TO 1000 PM MON	0.1" (50%) to 0.4" (20%) to 1.0" (5%)	LOW
<b>Foothills above 6500ft</b>			
Boulder	Current TO 1000 PM MON	0.1" (50%) to 0.4" (20%) to 1.0" (5%)	LOW
Douglas	Current TO 1000 PM MON	0.1" (50%) to 0.4" (20%) to 1.0" (5%)	LOW
Jefferson	Current TO 1000 PM MON	0.1" (50%) to 0.4" (20%) to 1.0" (5%)	LOW

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

