WDTD Flash Flood Assessment

• What are the pros and cons for flash flooding that you analyzed from your NSHARP sounding?	Precipitable Water: Warm Cloud Layer: CAPE profile: Relative Humidity: **Precip Efficiency:** LCL-EL wind: Corfidi Upshear wind: **Storm motion:**	Favorable Neutral Unfavorable Favorable Neutral Unfavorable Favorable Neutral Unfavorable Favorable Neutral Unfavorable **(High)** 5 | 4 | 3 | 2 | 1 **(Low)** Favorable Neutral Unfavorable Favorable Neutral Unfavorable Slow Motion (any storm can produce FF) Fast Motion (need training storms for FF)
• Where is the soil saturated (based on CREST)?	**High Soil Moisture area(s):**	
• Where are your low FFG values, denoting higher flash flood threat?	**Low FFG area(s):**	
• What is your topography?	**Topography:**	Flat Hilly Mountainous
• Any significant urban areas?	**Urban area(s):**	
• Nearest/Best radar for QPE threat?	**Closest radar(s):**	
• What is the storm total for Dual-Pol?	**Storm Total DP QPEs:**	DP Max (e.g. 3-4"):
• Any old rainfall in DP QPEs or mesonets? (note: go to 1st frame to see)	**Old rainfall/obs data?**	Yes → Take diff of 1st & last frame; account for diff in total No → Compare to obs freely at current time
• How do QPEs compare to mesonet obs?	**DP QPE:**	Too High About Right Too Low n/a
• Do you need to adjust your total, based on the obs comparison?	Adjusted DP Total:	
• What is the latest 6hr total for MRMS? (note: ends at the top of hour)	**6hr MRMS QPEs:**	MRMS 6hr Max (e.g. 3-4"):
• Any old rainfall in mesonets?	**Old mesonet data?**	Yes → Don't compare to QPEs (skip to 1hr assessment) No → Compare to QPEs at top of the hour
• How do QPEs compare to mesonet obs?	**MRMS QPE:**	Too High About Right Too Low n/a
• Do you need to adjust your total, based on the obs comparison?	Adjusted MRMS Total:	
• Within the last 1-hr, how much rain has fallen?	**1-hr QPEs:**	DP 1-hr Max: MRMS 1-hr Max:
• How do QPEs compare to METAR obs?	**DP QPE:** **MRMS QPE:**	Too High About Right Too Low n/a Too High About Right Too Low n/a
• Any significant rain rate differences between sources?	**Rate Comparison**	
• QPE threat area below melting layer?	**Below Melting Layer?**	Yes No Close
• Is melting hail (KDP > 4-5 deg/km) impacting your DP rain rates?	**Melting Hail Impacts:**	Yes No
• FFMP choice?	**FFMP QPE Source(s):**	HPE (DP mosaic) Single DP (only better for beam blocked areas) MRMS (mosaic)
• Based on your chosen source, what are your final rainfall totals for the FFW text?	**Rainfall Totals:**	Accounted for: □ Obs adjustments? □ Melting hail?
• Is more rain expected during your warning? If so, what additional amounts do you estimate for the FFW text?	**Additional Rainfall Expected (your call):**	