WDTD Flash Flood Assessment

• What are the pros and cons for flash flooding that you analyzed from your NSHARP sounding?	Precipitable Water:	Favorable Neutral Unfavorable
	Warm Cloud Layer:	Favorable Neutral Unfavorable
	CAPE profile:	Favorable Neutral Unfavorable
	Relative Humidity:	Favorable Neutral Unfavorable
	Precip Efficiency:	**(High)** 5 | 4 | 3 | 2 | 1 **(Low)**
	LCL-EL wind:	Favorable Neutral Unfavorable
	Corfidi Upshear wind:	Favorable Neutral Unfavorable
	Storm motion:	Slow Motion (any storm can produce FF) Fast Motion (need training storms for FF)
• Is the soil saturated (based on CREST)?	**Soil Moisture:**	Saturated Some saturation Dry
• Where are your low FFG values, denoting higher flash flood threat?	**Low FFG location(s):**	
• What is your topography?	**Topography:**	Flat Hilly Mountainous
• Any significant urban areas?	**Urban area(s):**	
	Vulnerable areas:	Entire CWA Rural & Urban Mainly urban
• 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 when comparing to obs 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
• 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 next question) 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
• 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:**	Too High About Right Too Low n/a
	MRMS QPE:	Too High About Right Too Low n/a
• DP melting hail (KDP > 4-5 deg/km)?	**Melting Hail Signal:**	Yes No Not significant
• Any significant rain rate differences between sources?	**Rate Comparison**	
• QPE threat area below melting layer?	**Below Melting Layer?**	Yes No Close
• FFMP choice?	**FFMP QPE Source(s):**	HPE (DP mosaic) Single DP (only better for beam blocked areas) MRMS (mosaic)
• Adjusting for any pitfalls, what are the updated rainfall totals for the FFW text?	**Corrected Rainfall Totals (your call):**	
• Is more rain expected during your warning? If so, what additional amounts do you estimate for the FFW text?	**Additional Rainfall Expected (your call):**	