**WDTD Flash Flood Assessment**

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| * 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) | | | | | | | | | | | | | |
| * 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:** | | Too High | | | About Right | | | | | | Too Low | | | | n/a |
| **MRMS QPE:** | | 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):** | |  | | | | | | | | | | | | | |