

## RAC Flash Flood Assessment

<ul style="list-style-type: none"> <li>• What are the pros and cons for flash flooding that you analyzed from your NSHARP sounding?</li> </ul>	<p>CAPE profile: Favorable   Neutral   Unfavorable  Relative humidity: Favorable   Neutral   Unfavorable  Precipitable Water: Favorable   Neutral   Unfavorable  Warm Cloud Layer: Favorable   Neutral   Unfavorable  <b>Precip Efficiency: (High) 5   4   3   2   1 (Low)</b></p> <p>LCL-EL wind: Favorable   Neutral   Unfavorable  Corfidi Up/Down shear: Favorable   Neutral   Unfavorable  <b>Most favorable storm motion: Any storm   Need training</b></p>
<ul style="list-style-type: none"> <li>• Is the soil saturated (based on CREST)?</li> <li>• Where is the greatest flash flood threat based on FFG?</li> <li>• What is your topography?</li> <li>• Urban areas?</li> </ul>	<p>Soil Moisture: Saturated   Some saturation   Dry  Low FFG location(s):  Topography: Flat   Hilly   Mountainous  Urban area(s):</p> <p><b>Most vulnerable areas: All Areas   Urban</b></p>
<ul style="list-style-type: none"> <li>• Relative to the FF threat, what is your nearest radar(s)?</li> <li>• What does the bias information tell you about the Legacy precip estimates?</li> <li>• Where can you have higher confidence in DP estimates based on the melting layer?</li> </ul>	<p>Nearest radar(s):  Legacy QPE: Under   About right   Over   No good bias info  Below ML areas:</p>
<ul style="list-style-type: none"> <li>• Does MRMS radar-only QPE have biases compared to gauge-corrected QPE?</li> </ul>	<p>MRMS Radar-Only: Under   No significant bias   Over</p>
<ul style="list-style-type: none"> <li>• Which precip source(s) has the highest precip rates?</li> </ul>	<p>Highest rates: Legacy   Dual-Pol   MRMS</p>
<ul style="list-style-type: none"> <li>• What is the range of max 1-hr precip totals between all the sources?</li> <li>• Which source is the highest?</li> <li>• Are there any METARs w/ sig. rainfall that you can compare to QPEs?</li> </ul>	<p>Range of max 1-hr QPEs:  Source w/ highest 1-hr QPE: Legacy   Dual-Pol   MRMS  Any good METARs? Yes   No  If yes, QPE bias? Under   About right   Over</p>
<ul style="list-style-type: none"> <li>• What is the range of max storm totals between all the sources?</li> <li>• Which source is the highest?</li> <li>• Are there any Mesonets w/ sig. rainfall that you can compare to QPEs?</li> </ul>	<p>Range of max storm-total QPEs:  Source w/ highest STP: Legacy   Dual-Pol   MRMS  Any good Mesonets? Yes   No  If yes, QPE biases? Under   About right   Over</p>
<ul style="list-style-type: none"> <li>• Do Dual-Pol characteristics point to melting hail that could bias estimates?</li> </ul>	<p>Melting hail? Yes   No</p>
<ul style="list-style-type: none"> <li>• Which precip source(s) would you consider using in FFMP?</li> </ul>	<p>FFMP Precip Source(s):  DP   Legacy   MRMS   HPE   Bias HPE</p>