

West Gulf River Forecast Center (WGRFC – Ft. Worth TX)



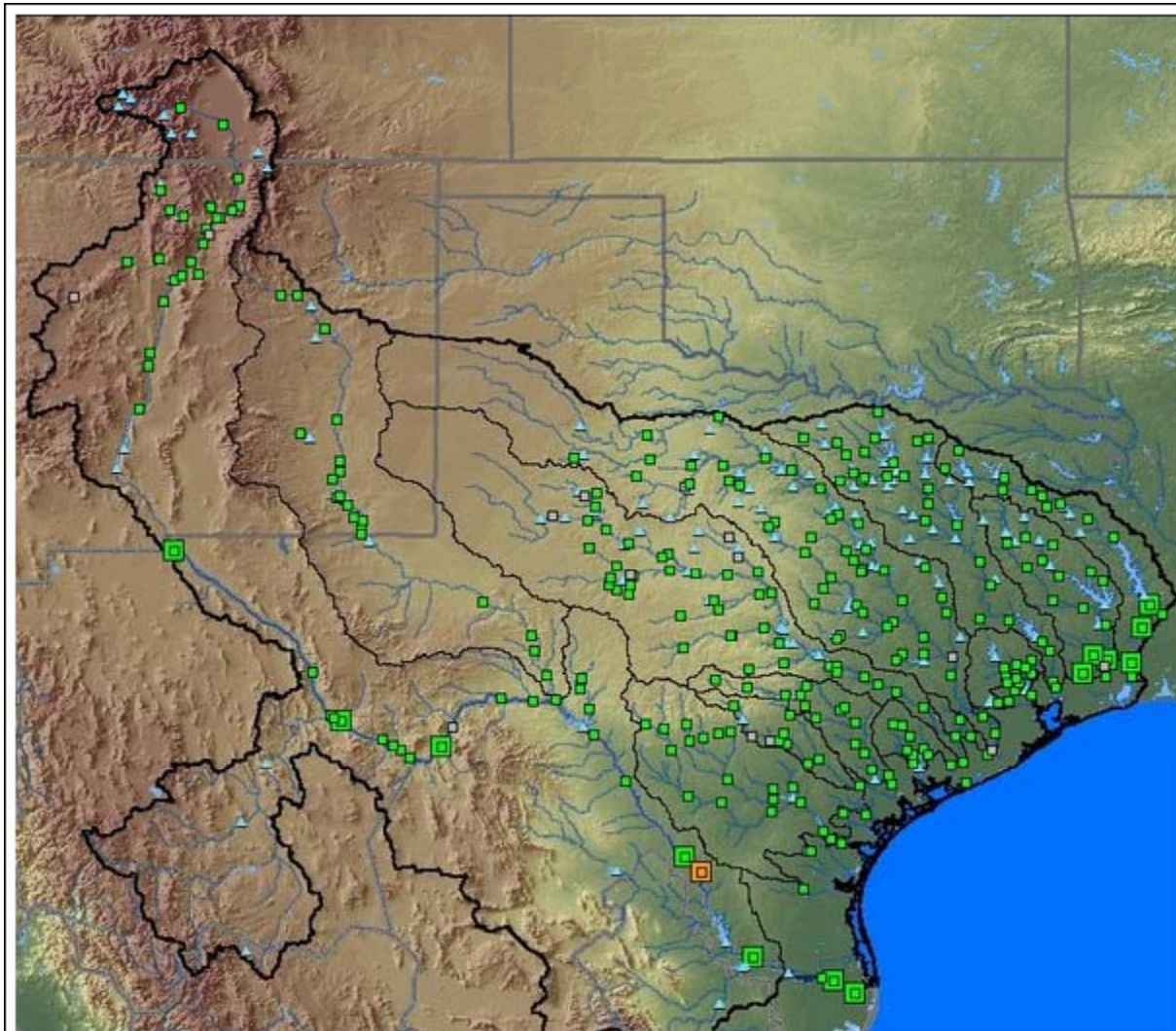
Greg Shelton – Service Coordination Hydrologist

Robert Corby – Development and Operations Hydrologist

Gregg Waller – Senior Hydrometeorological Analysis and Support Forecaster

- Operational responsibility for New Mexico, Texas, including:
 - Rio Grande
 - Colorado River (Texas)
 - Sabine River
- Require hydrometeorological information over southern United States, northeastern Mexico
- Precipitation information is presently from radar, rain gauge, and Hydroestimator outside radar network

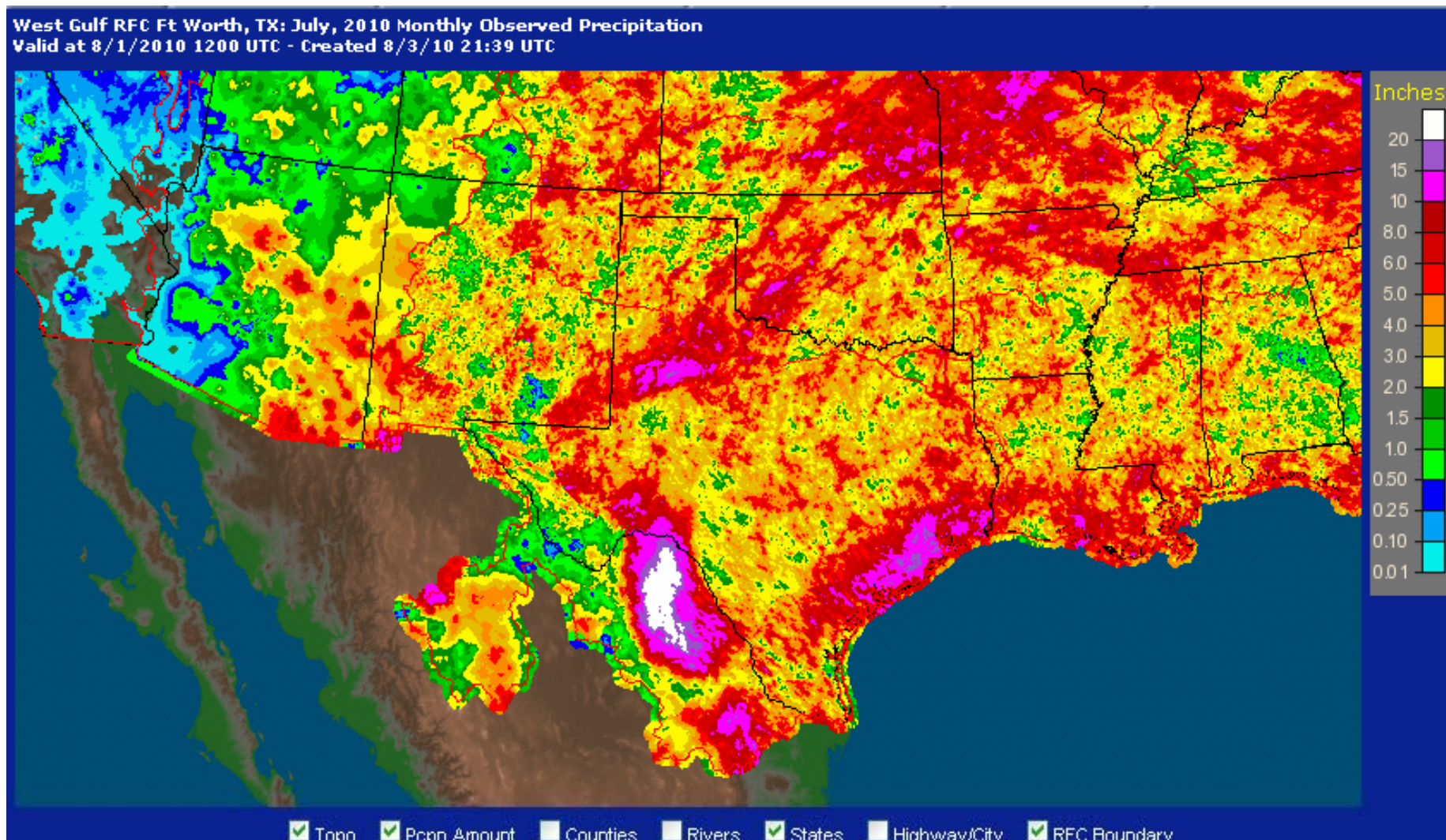
WGRFC Forecast Points



Last Updated: **Wed Aug 11, 2010 11:50 AM CDT**

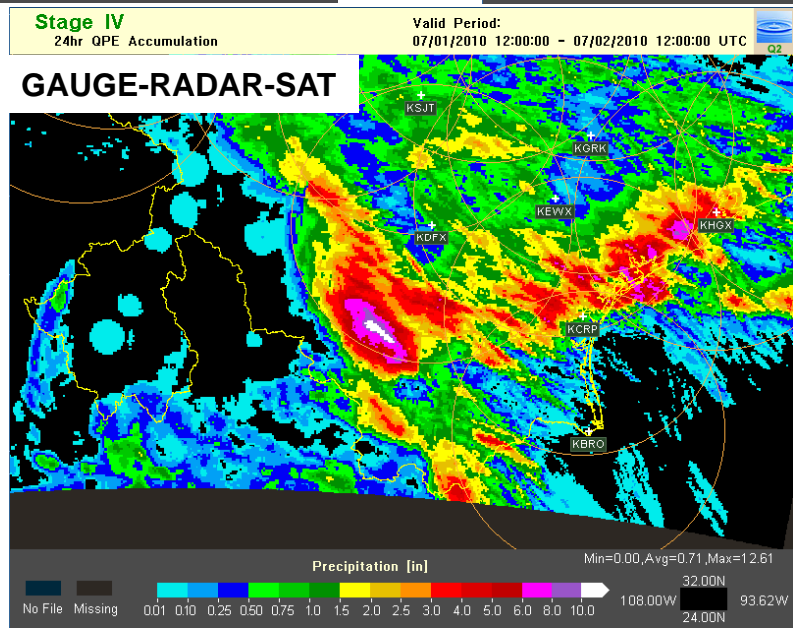
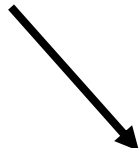
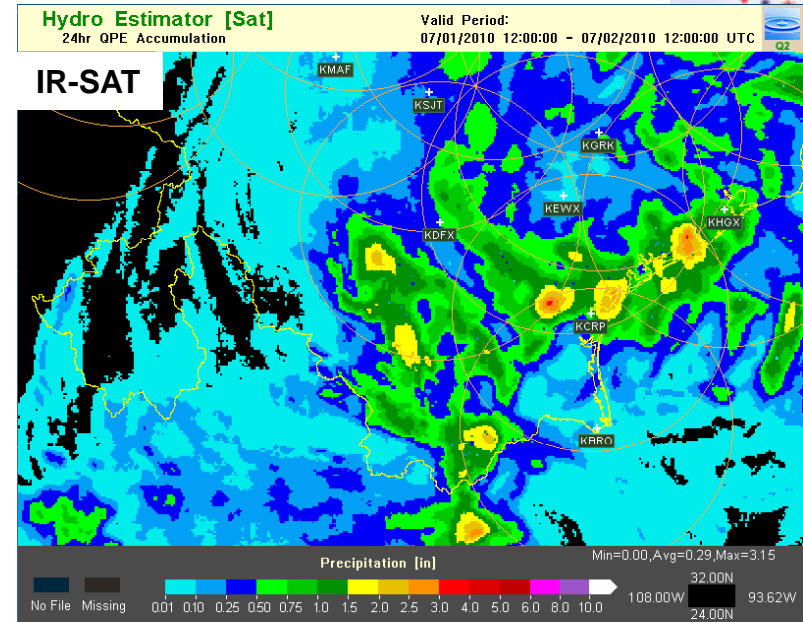
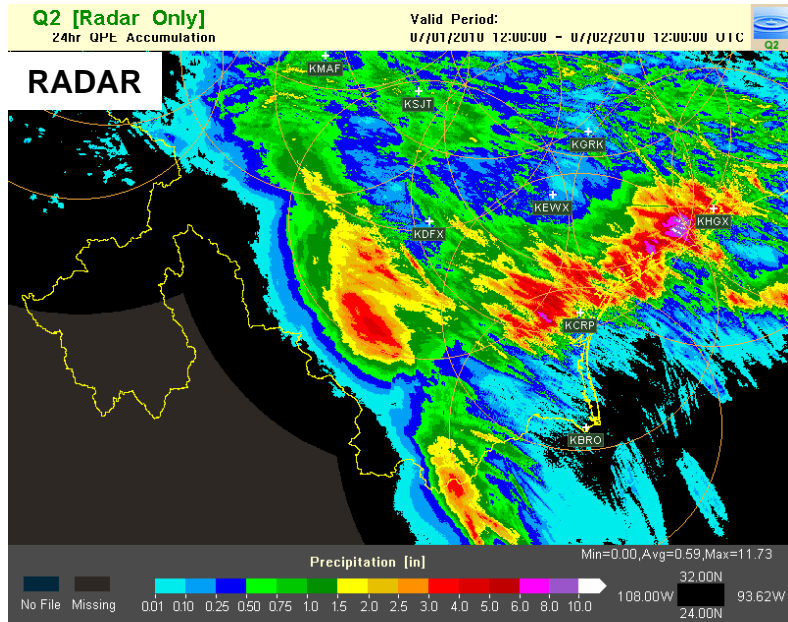


Precipitation Affecting Rio Grande Often Falls over Mexico



31-day accumulation ending 1200 UTC, 1 Aug 2010

Precipitation grids from merged gauge, radar, satellite:



WGRFC:

Gaps in current satellite product suite



- **Spatial (coverage) gaps:** Radar gaps, lack of radar coverage and limited gauge information over Mexico
- **Temporal gaps:** ~6h between polar orbiter scans
- **Latency gaps:** Long latency in precip products including microwave input (> 12h)
- **Accuracy shortcomings:** Limitations on accuracy of Hydroestimator
- **How GPM era products might help:** Faster availability of microwave/IR precip products



WGRFC:

Next Steps for GPM-era data & products

- No funded activities specific to satellite precipitation, at present
- Funding gaps for AWIPS development
- Work with NWS/OHD to develop AWIPS Multisensor Precipitation Estimator capabilities
- Training materials and time
- No direct interaction with NASA