

The Meteorology Timeline of the Historic Wimberley/San Marcos TX Flash Flood

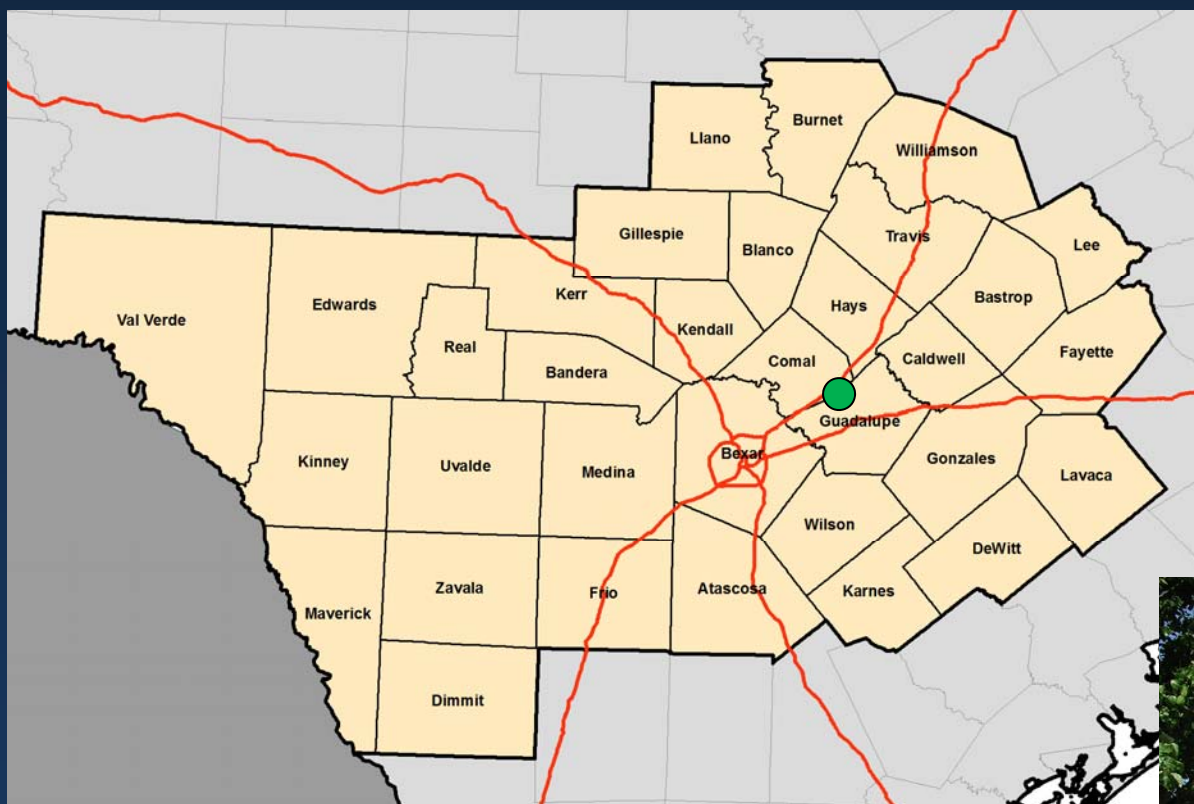
Paul Yura
Warning Coordination
Meteorologist

Mark Lenz
Senior Service Hydrologist

National Weather Service
Austin-San Antonio TX



NWS Austin/San Antonio “County Warning Area”



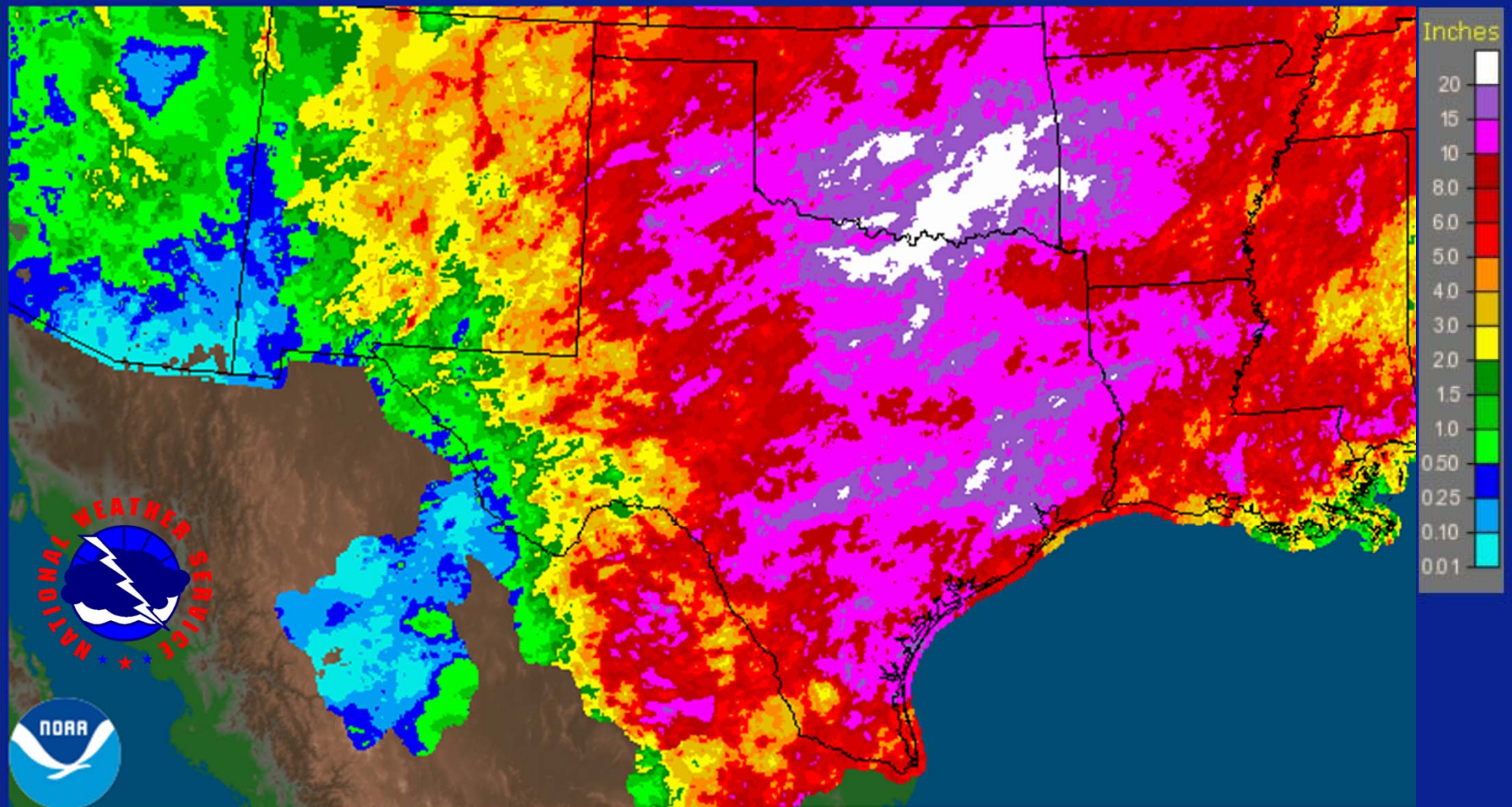
- **Forecasts**
- **Watches/Warnings**
- **Decision Support**
- **Local Research**
- **Outreach**



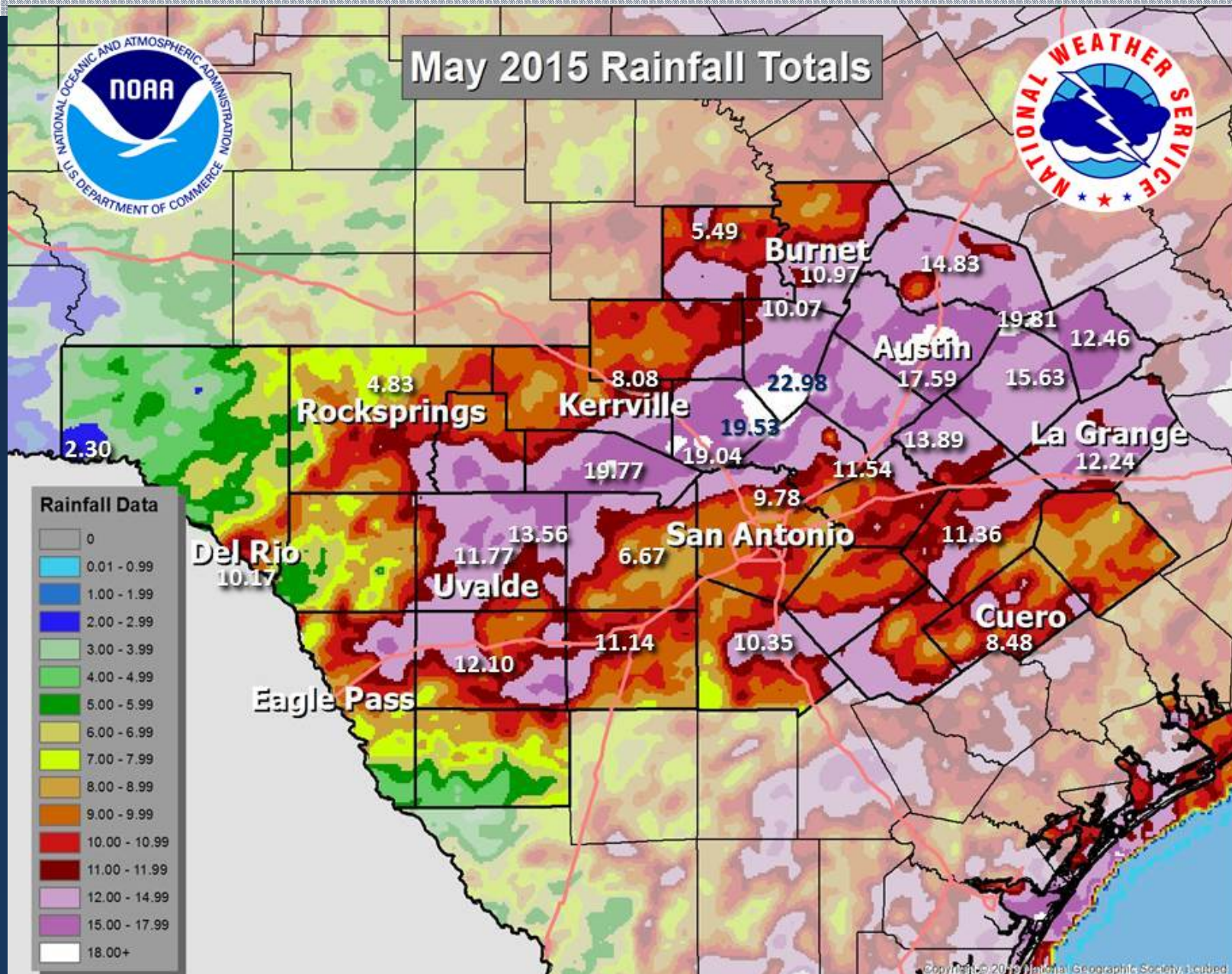
May Record Rainfall

Texas: Current 30-Day Observed Precipitation

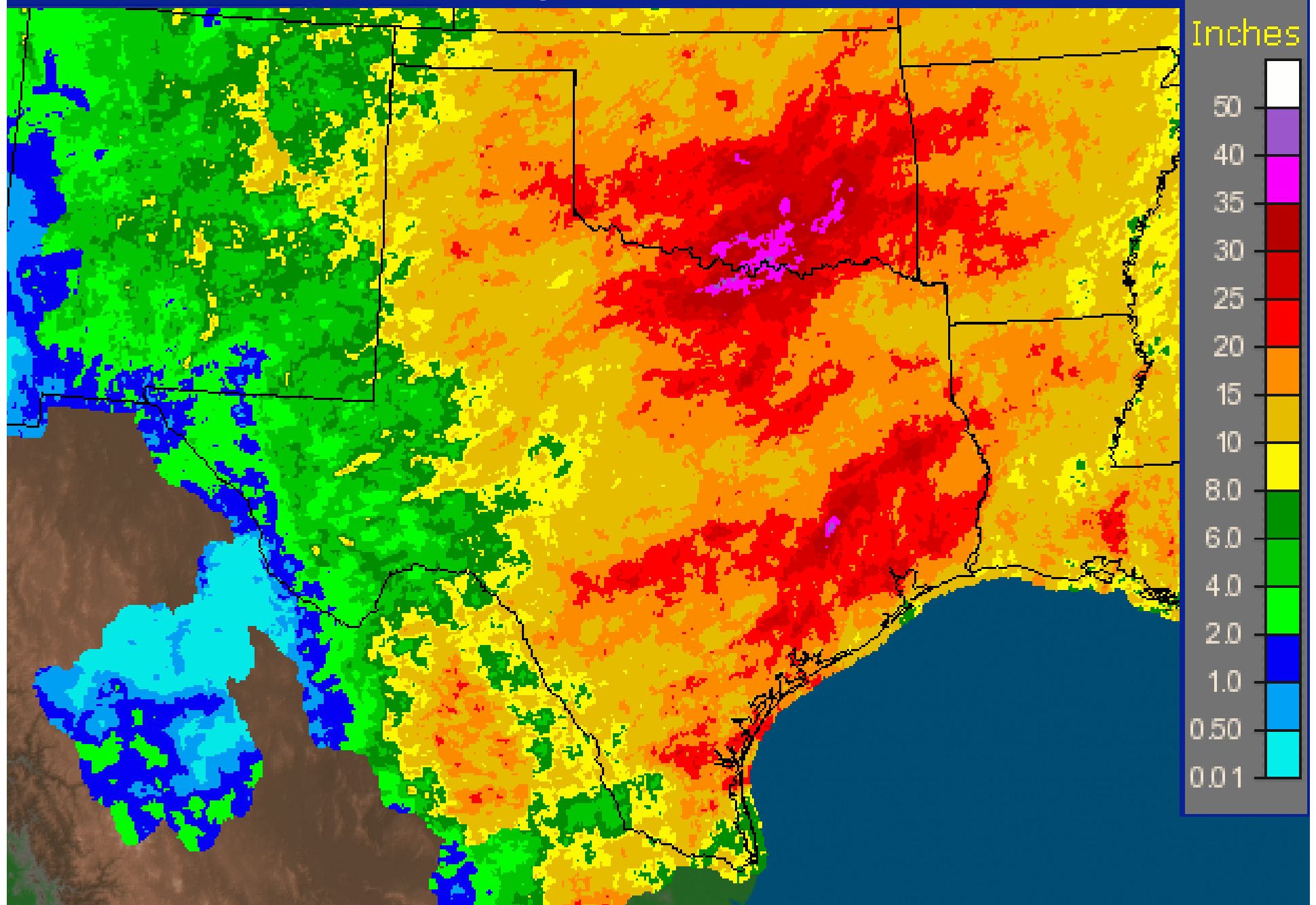
Valid at 5/31/2015 1200 UTC - Created 6/1/15 0:32 UTC



Record May Rainfall

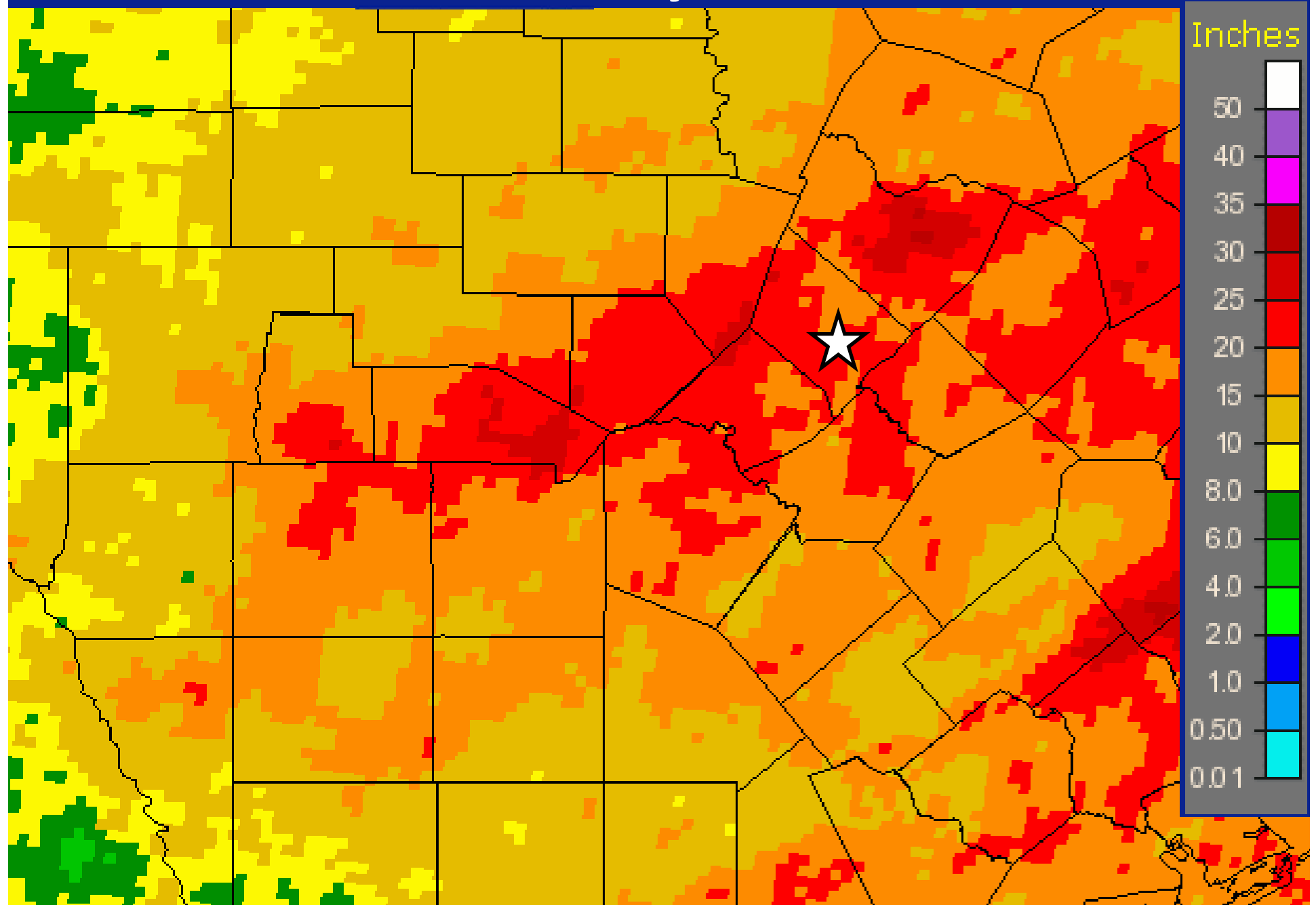


60 Day Rain Totals

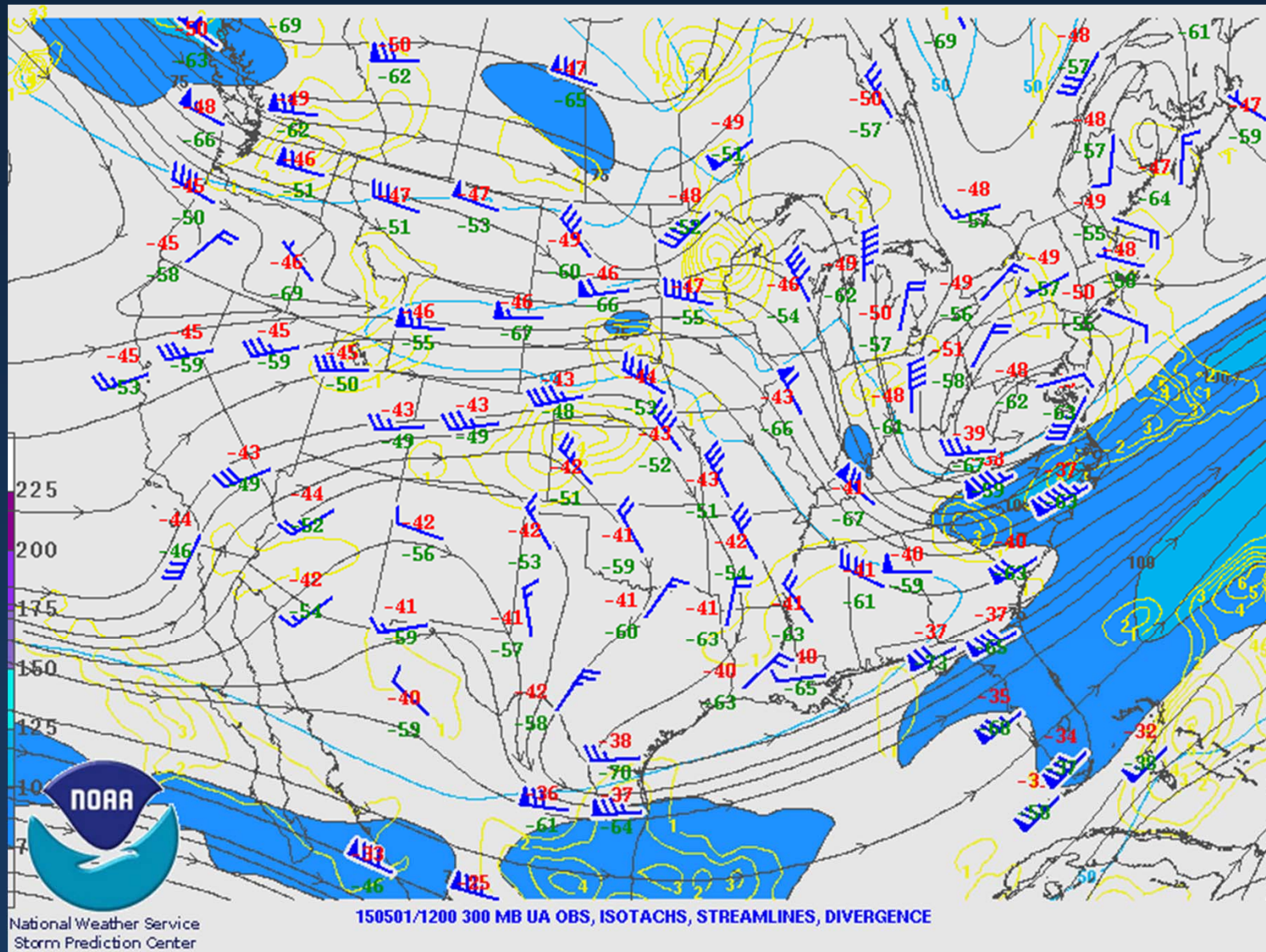


WX (EWX): Current 60-Day Obs:
200 UTC - Created 6/23/15 0:

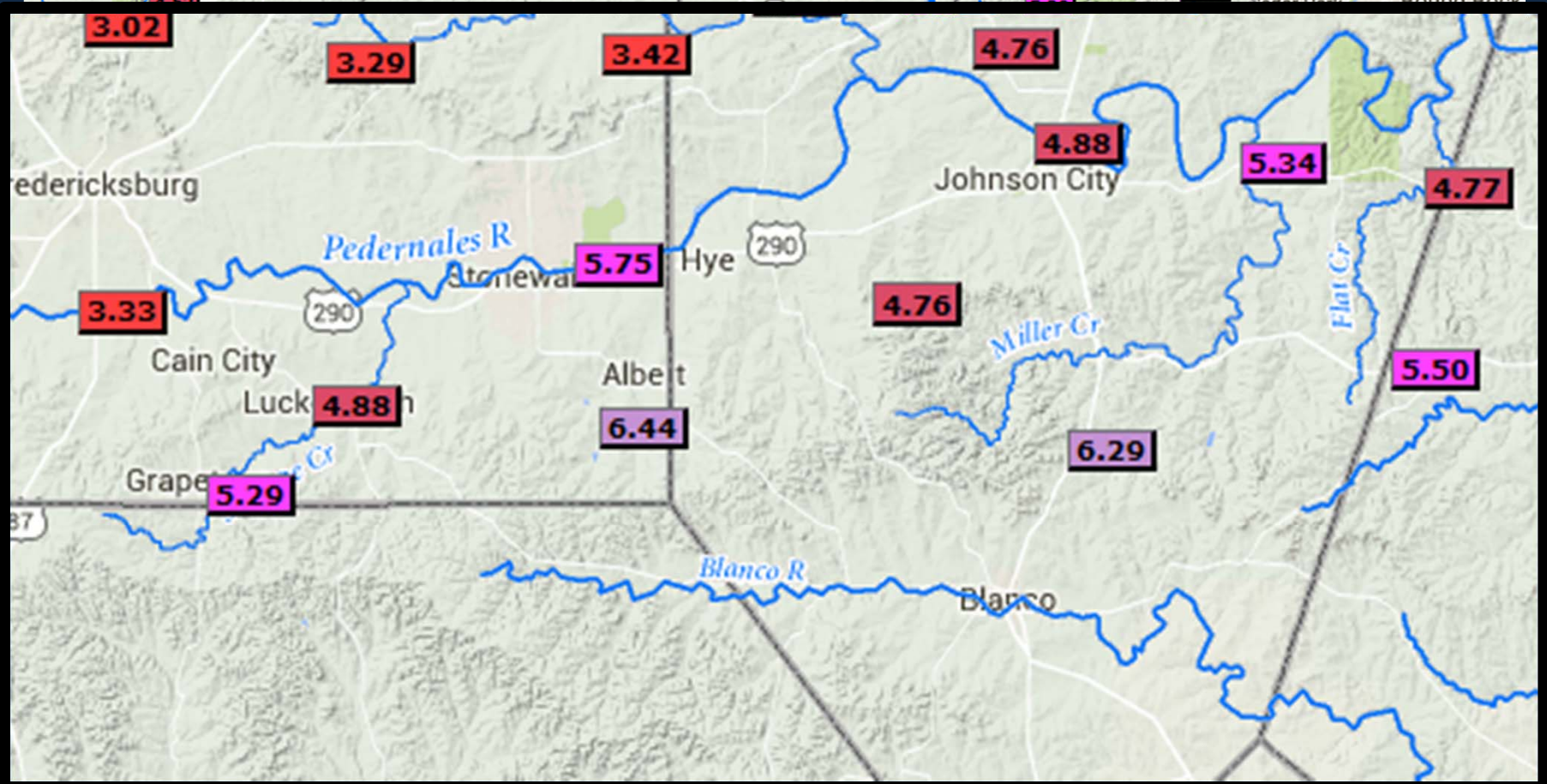
60 Day Rain Totals



The Setup...May's Wet Pattern

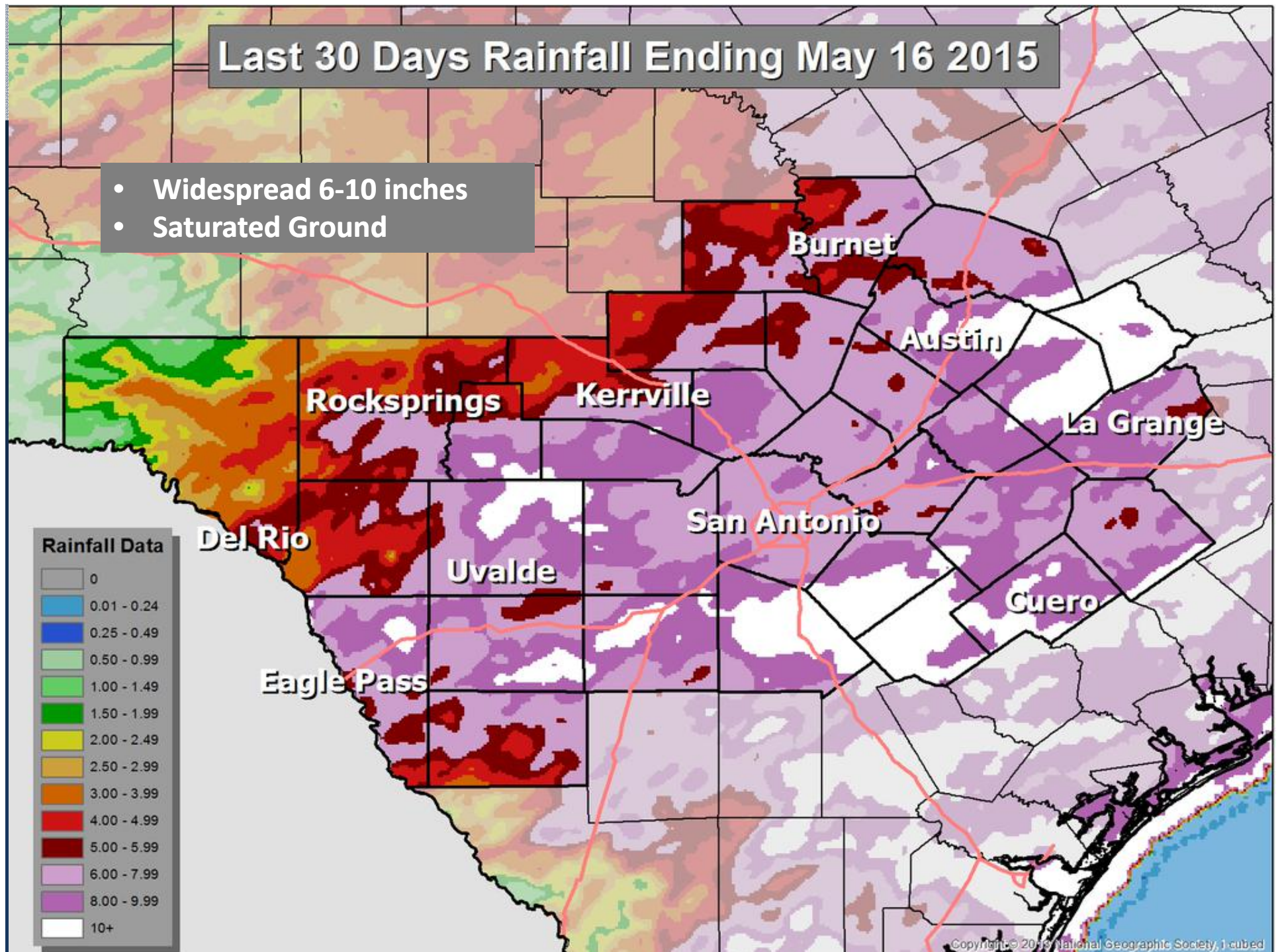


2 Week Rainfall Ending May 18

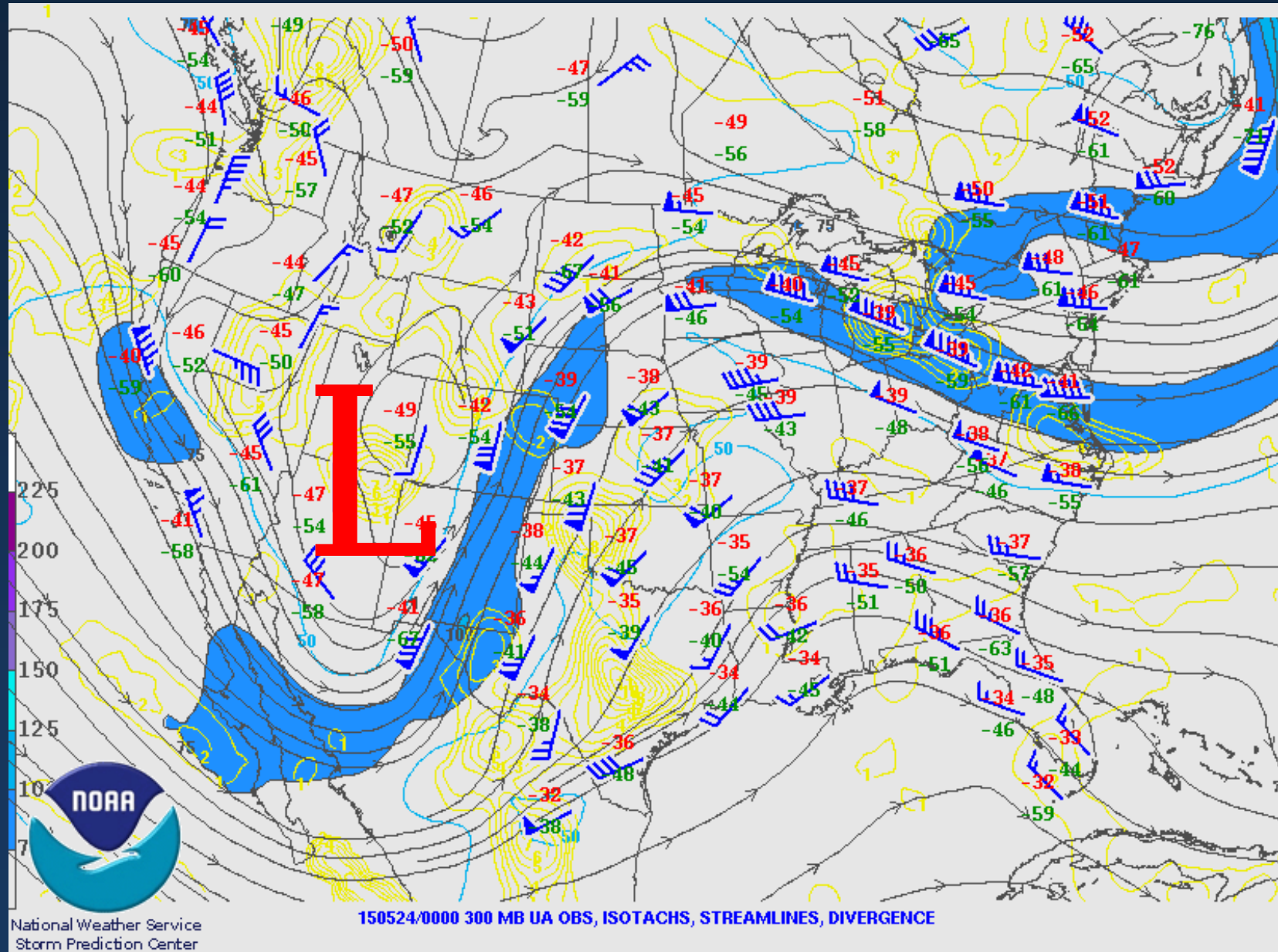


Last 30 Days Rainfall Ending May 16 2015

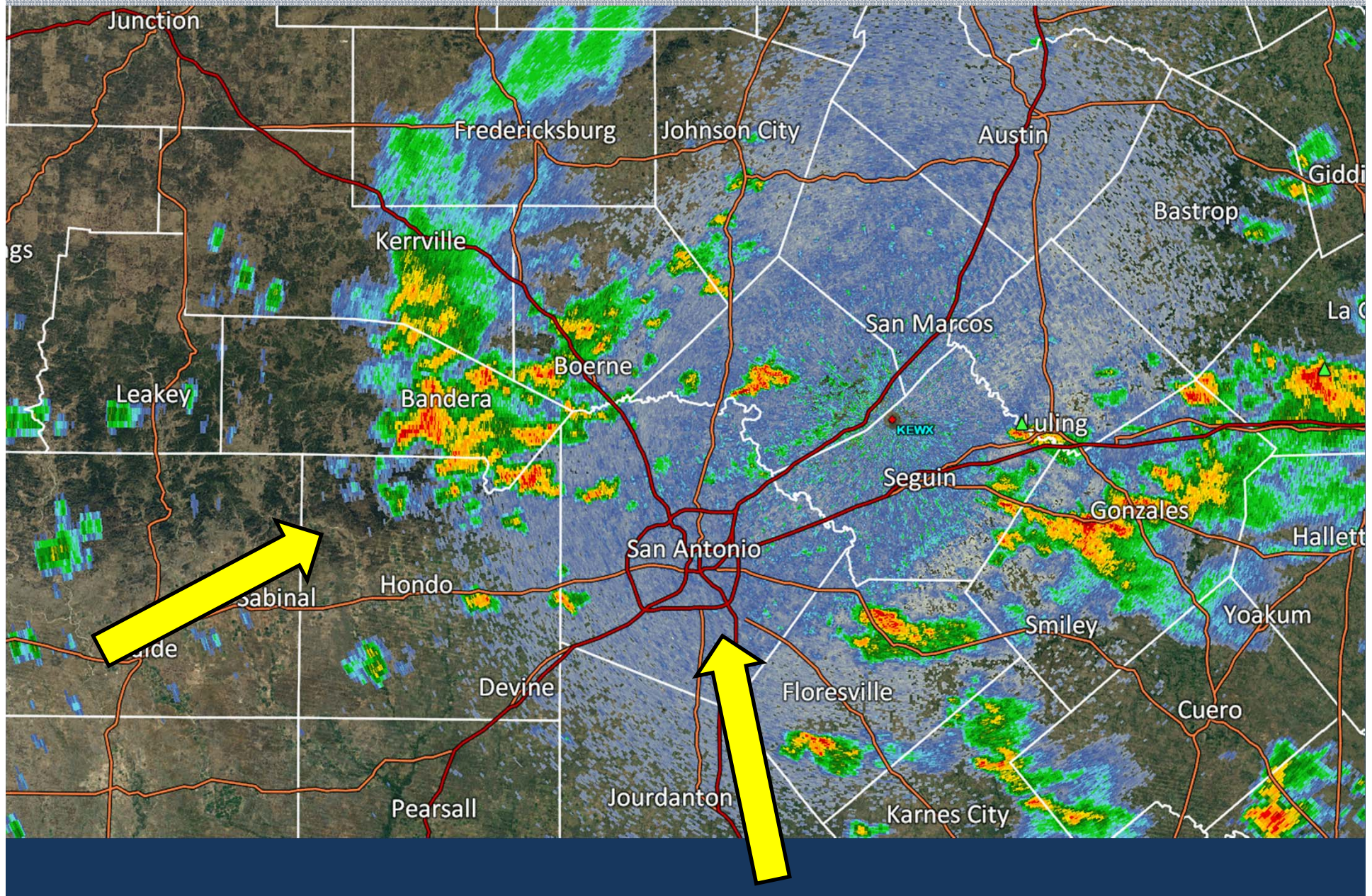
- Widespread 6-10 inches
- Saturated Ground



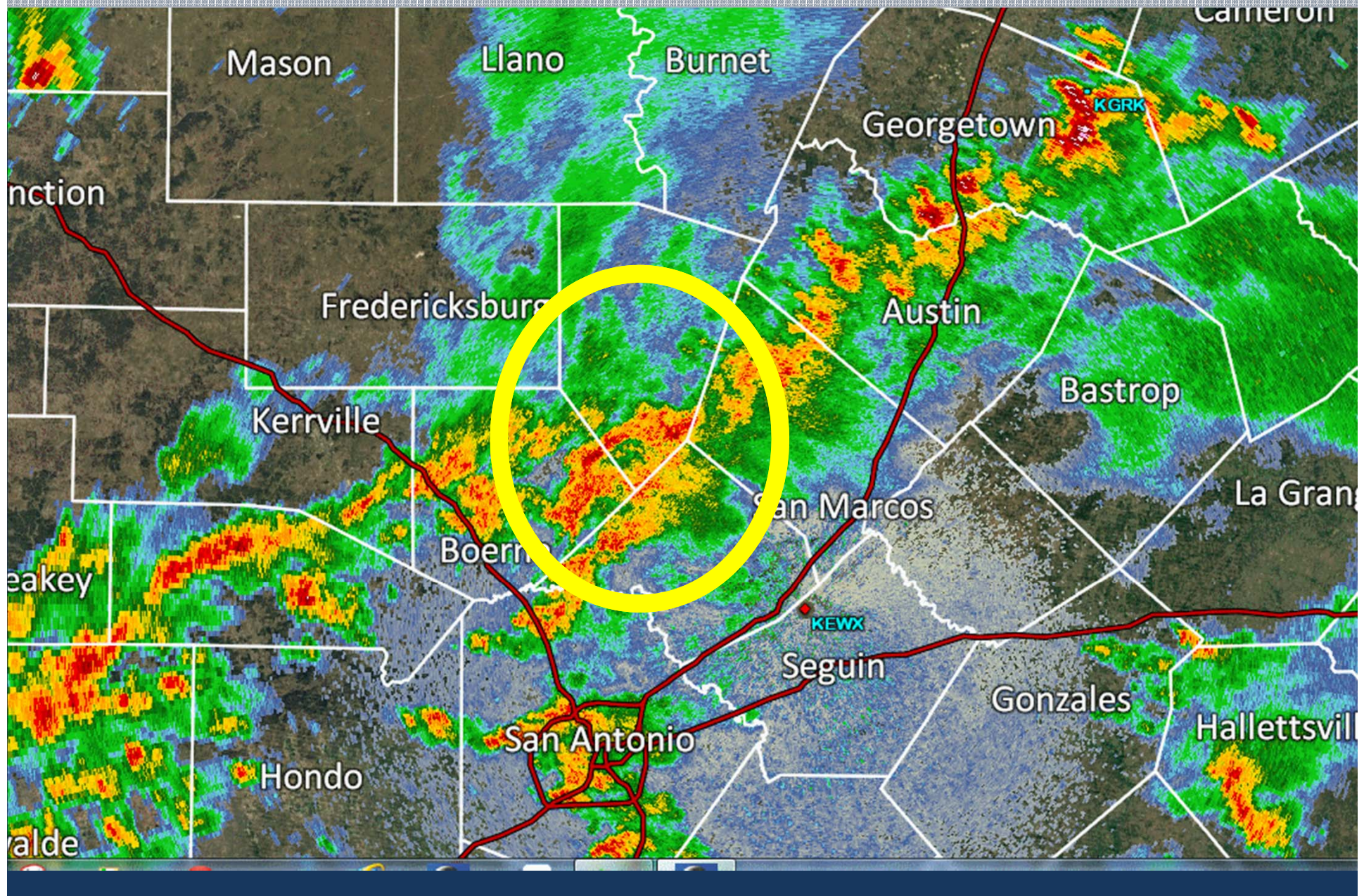
Saturday May 23rd – Sunday 24th Weather Pattern



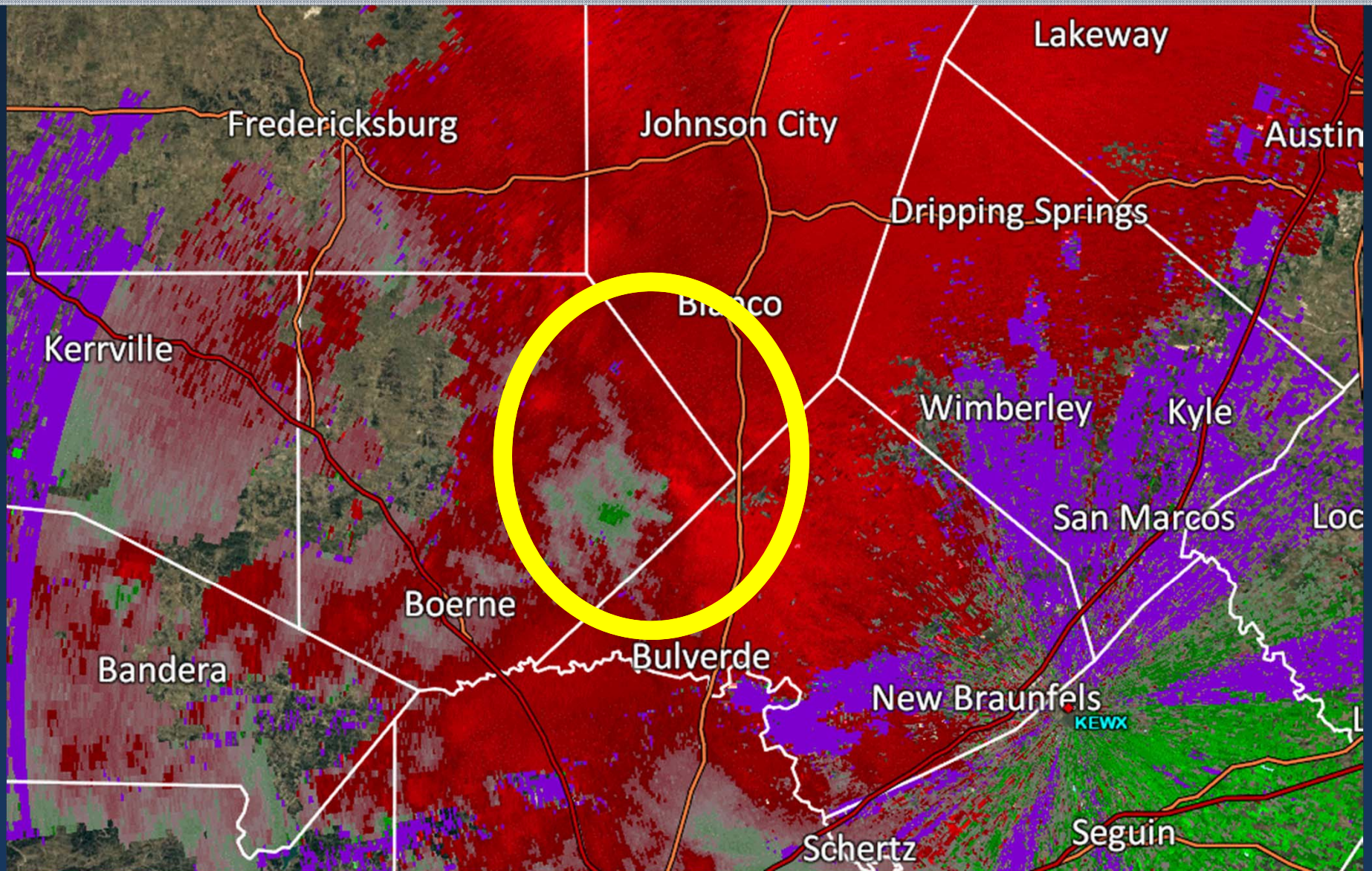
Early Afternoon of the 23rd

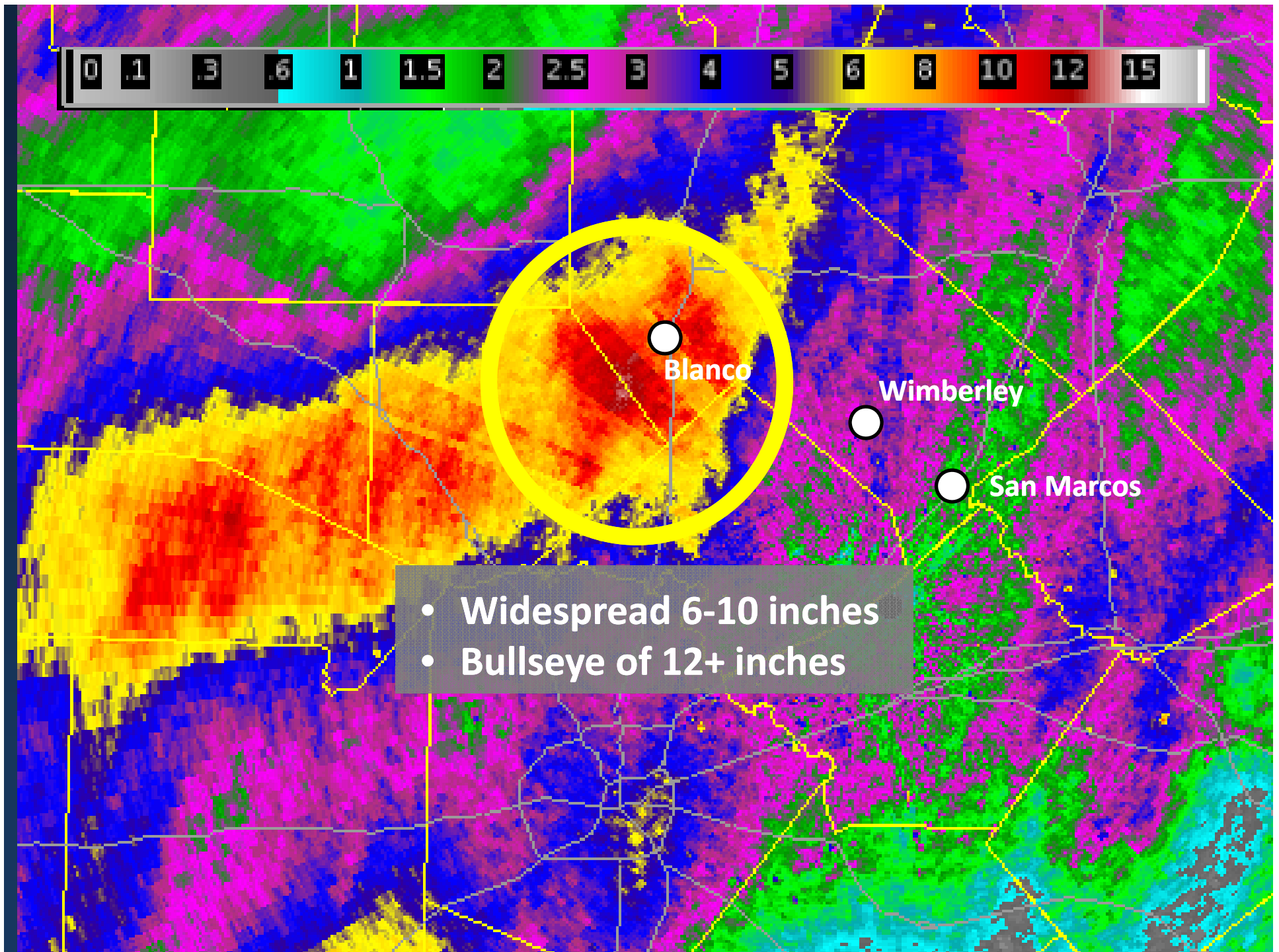


Evening of the 23rd



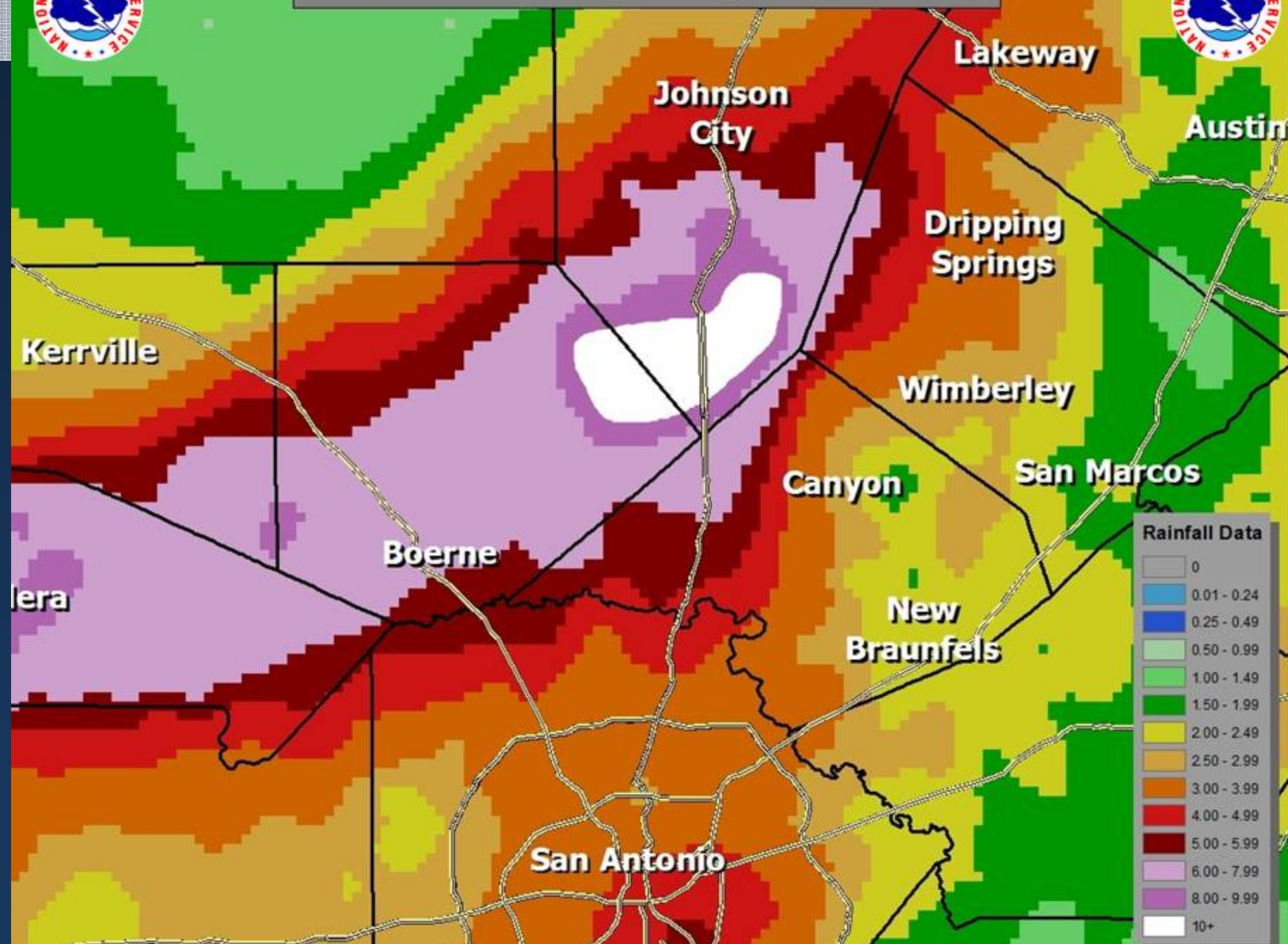
Influence of MesoVortex





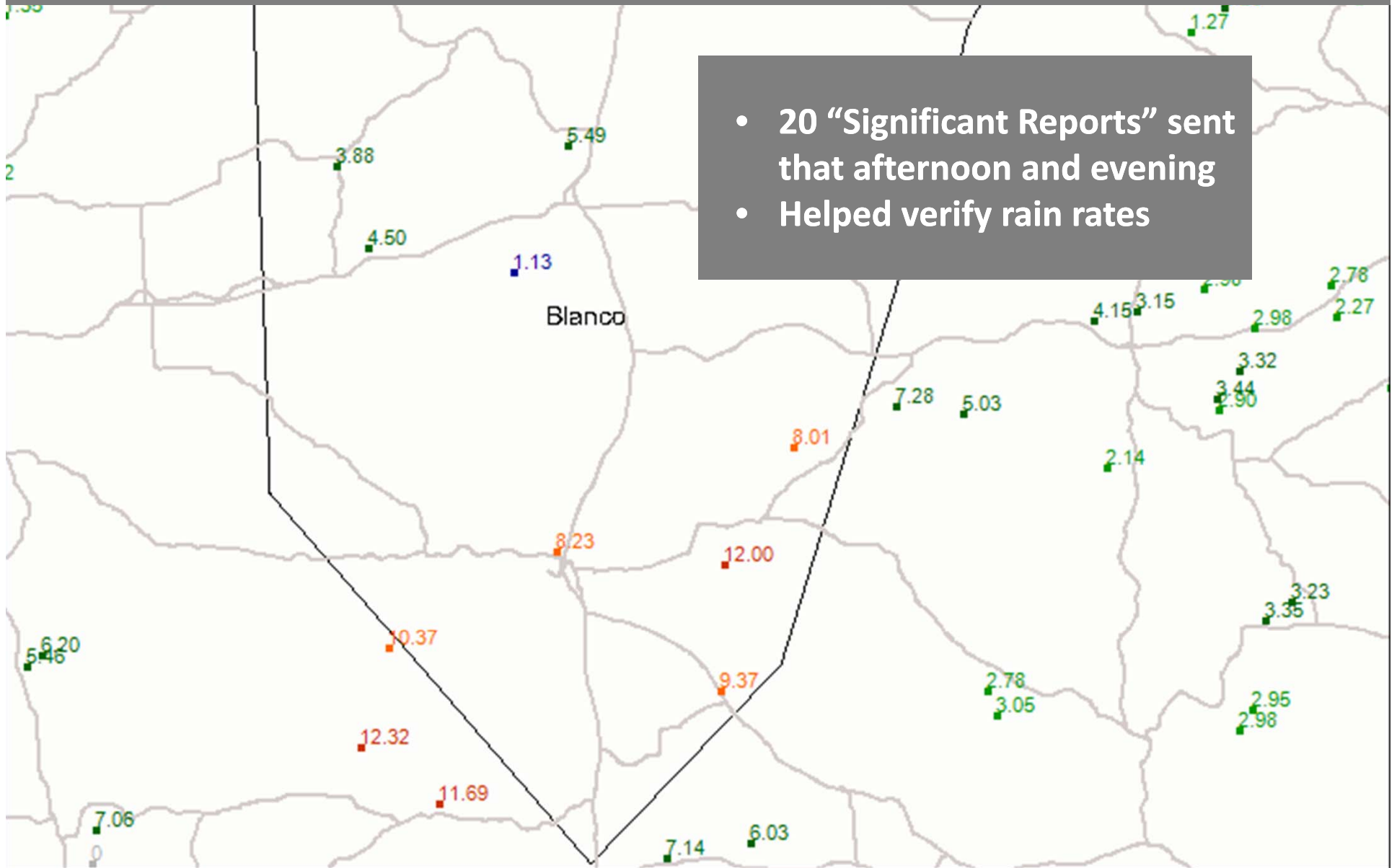


Rainfall Totals for May 23-24 Flood

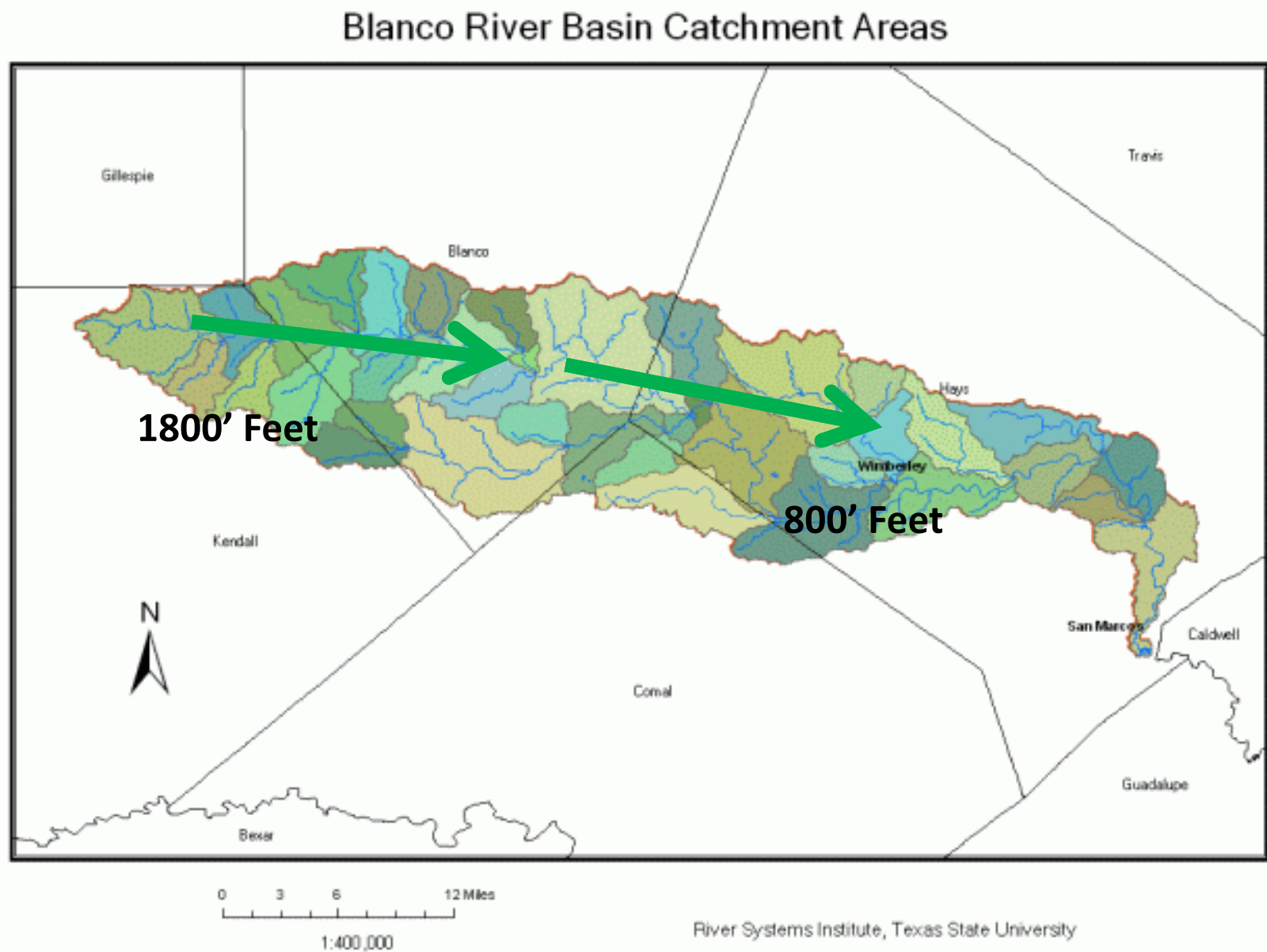


CoCoRaHS Reports

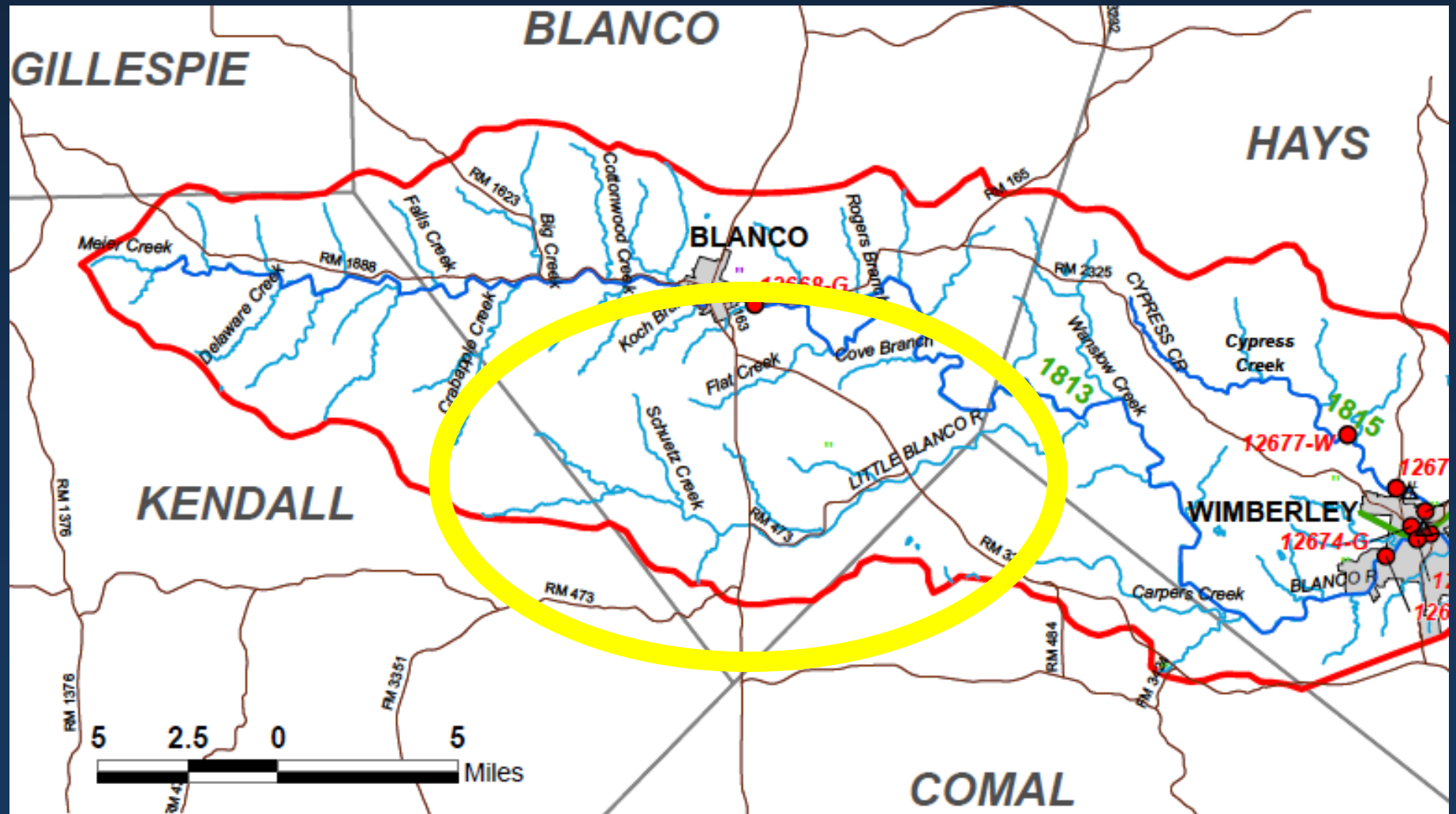
- 20 “Significant Reports” sent that afternoon and evening
- Helped verify rain rates



Where Does the Water Go



Blanco and the Little Blanco



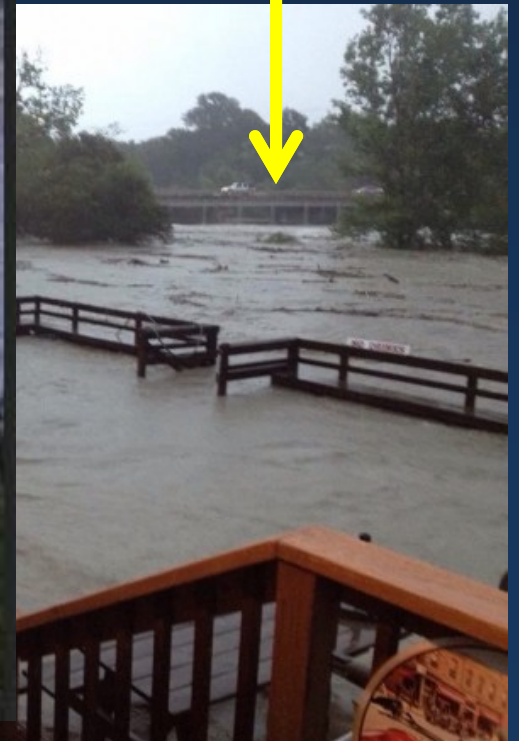
City of Blanco...early evening



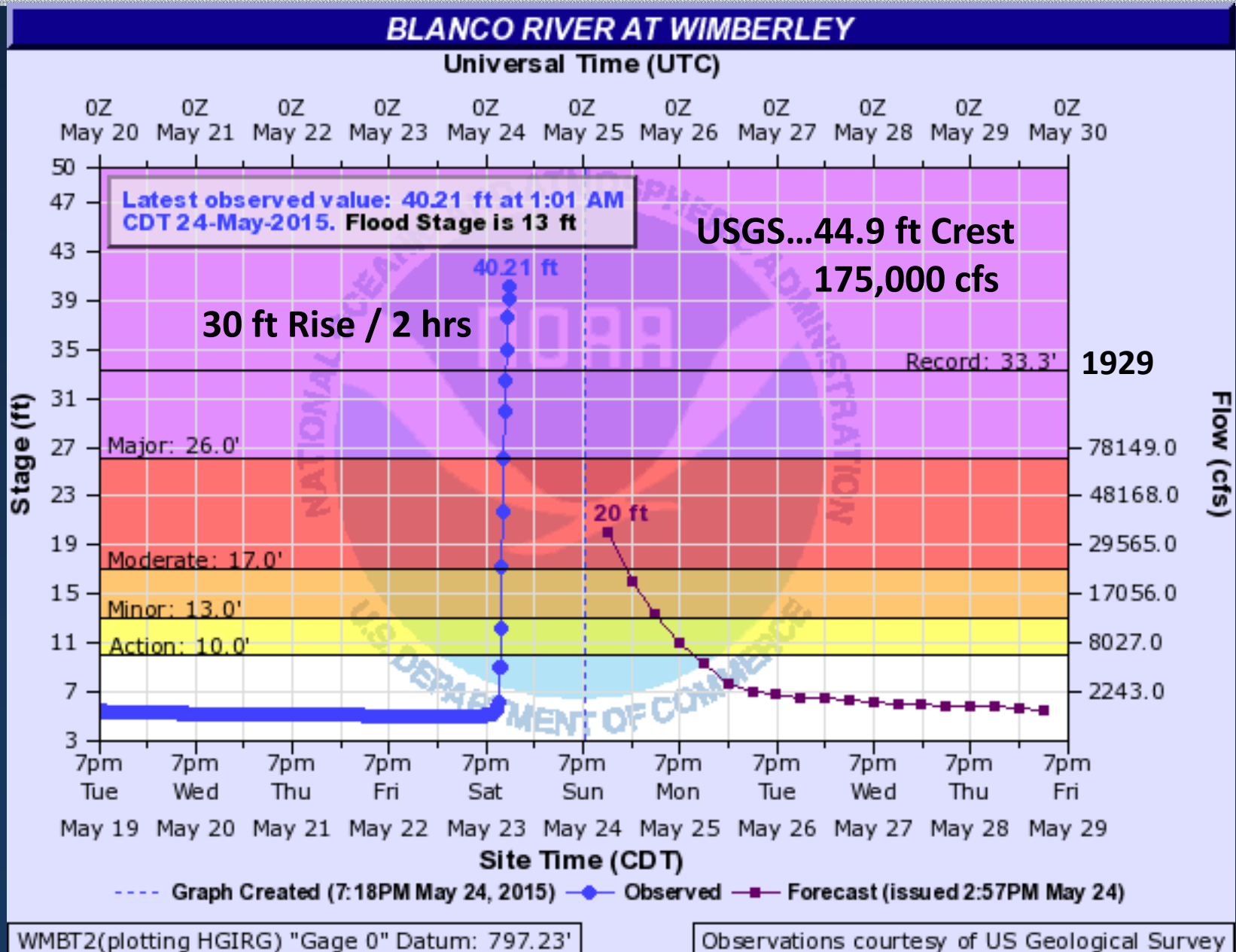
Blanco
State



Highway 281 Bridge



Blanco River at Wimberley



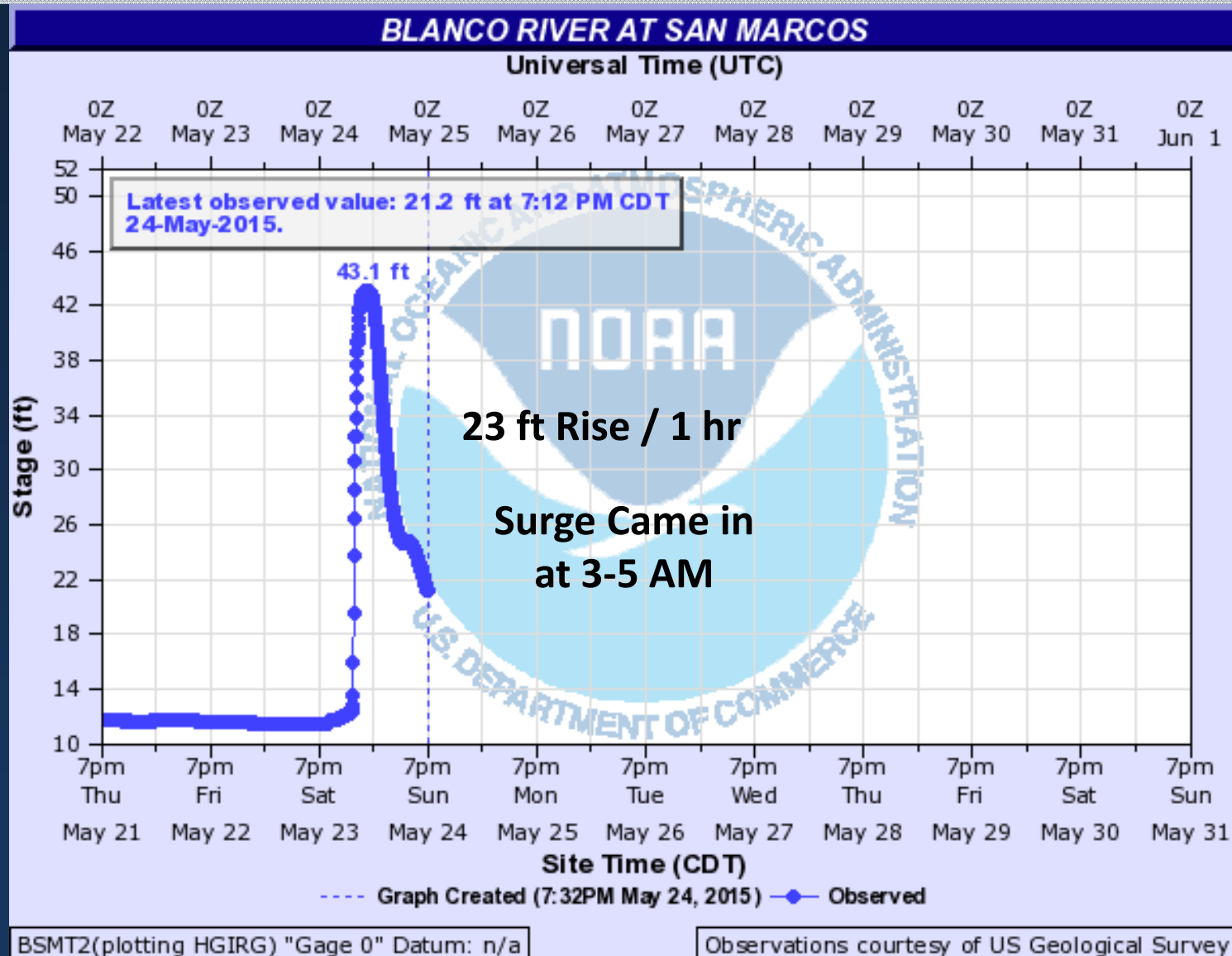




River Road...Wimberley



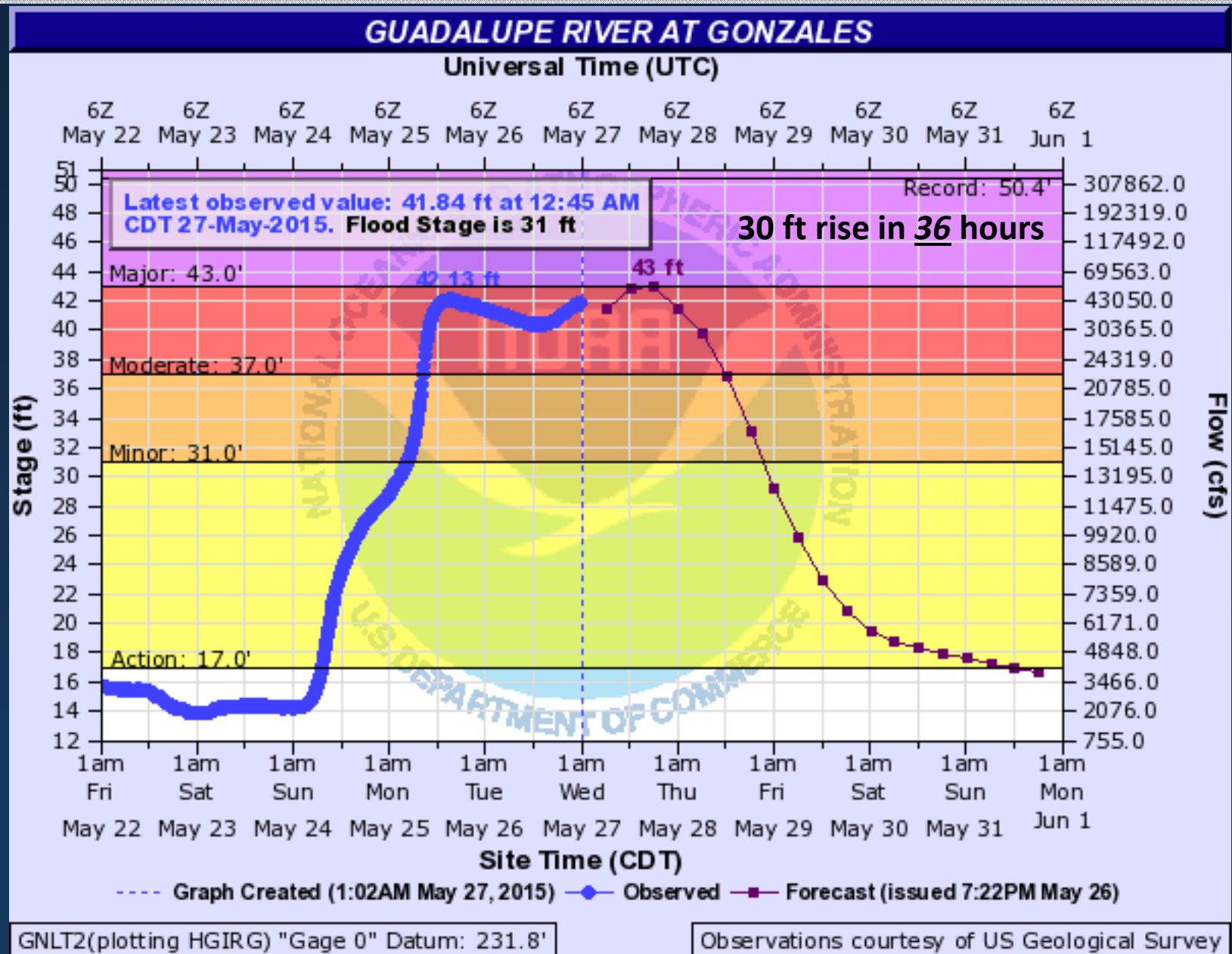
Blanco River at San Marcos



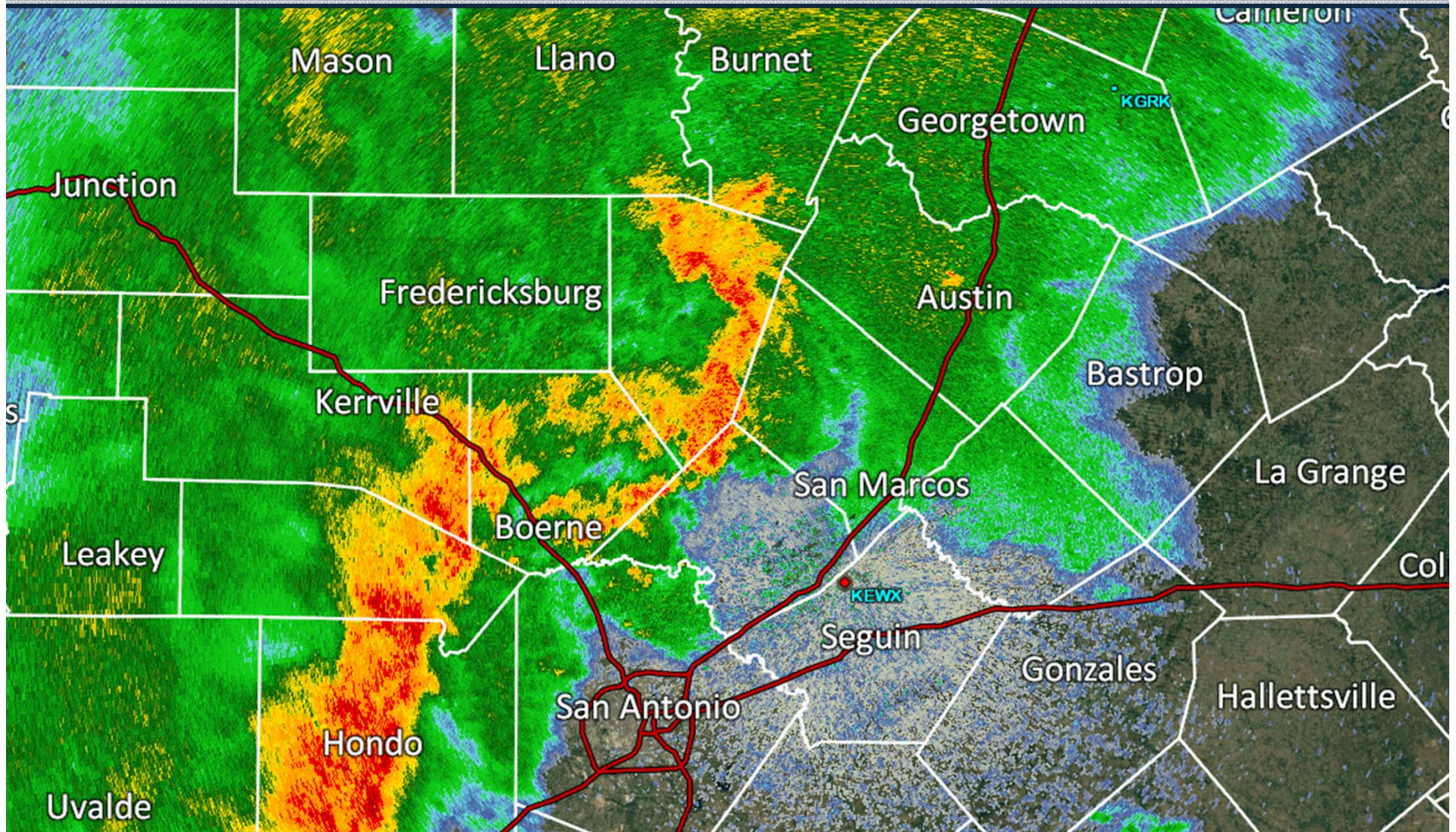


I-35 Closed

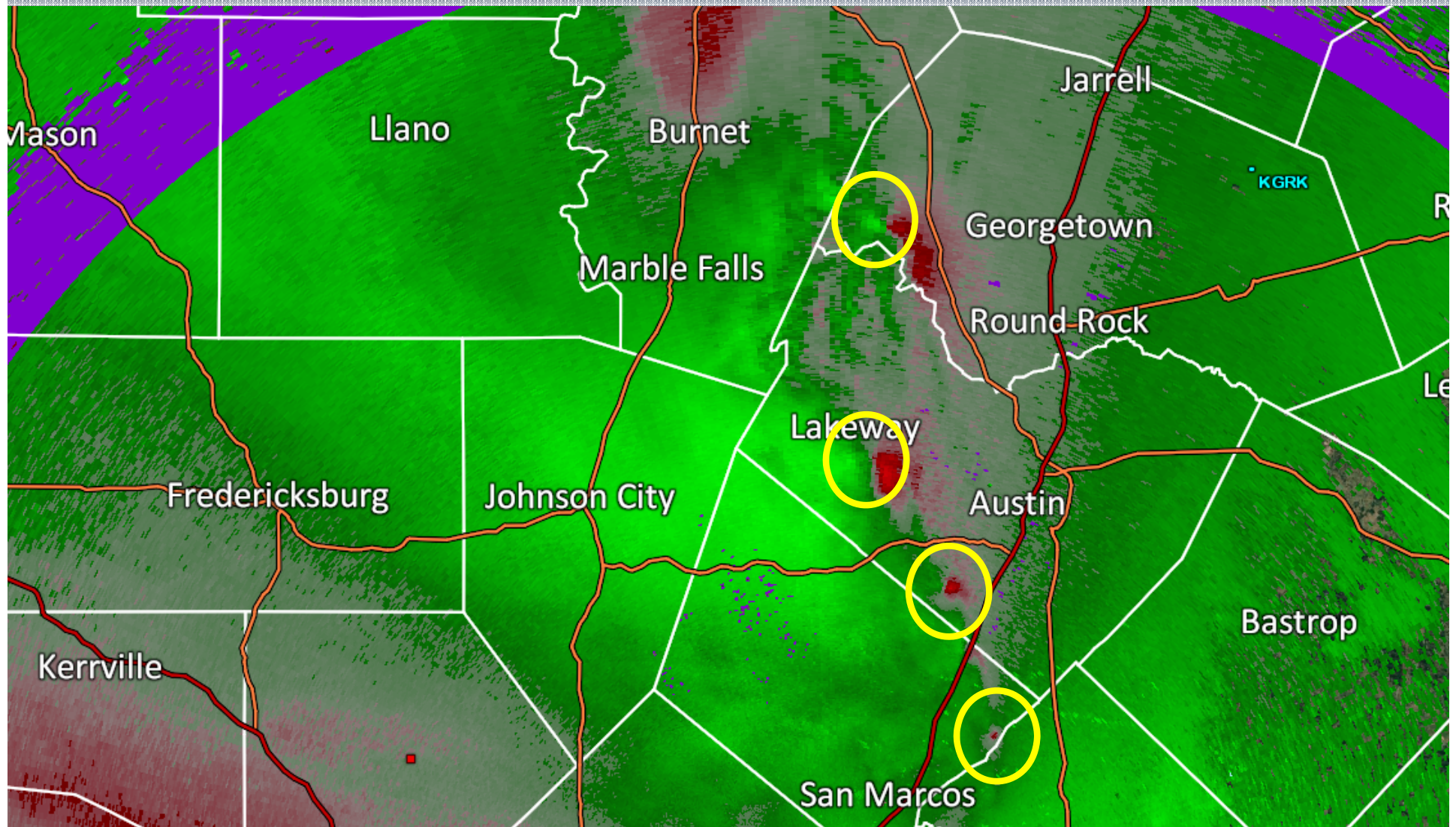
The Flash Flood Goes East...Flood



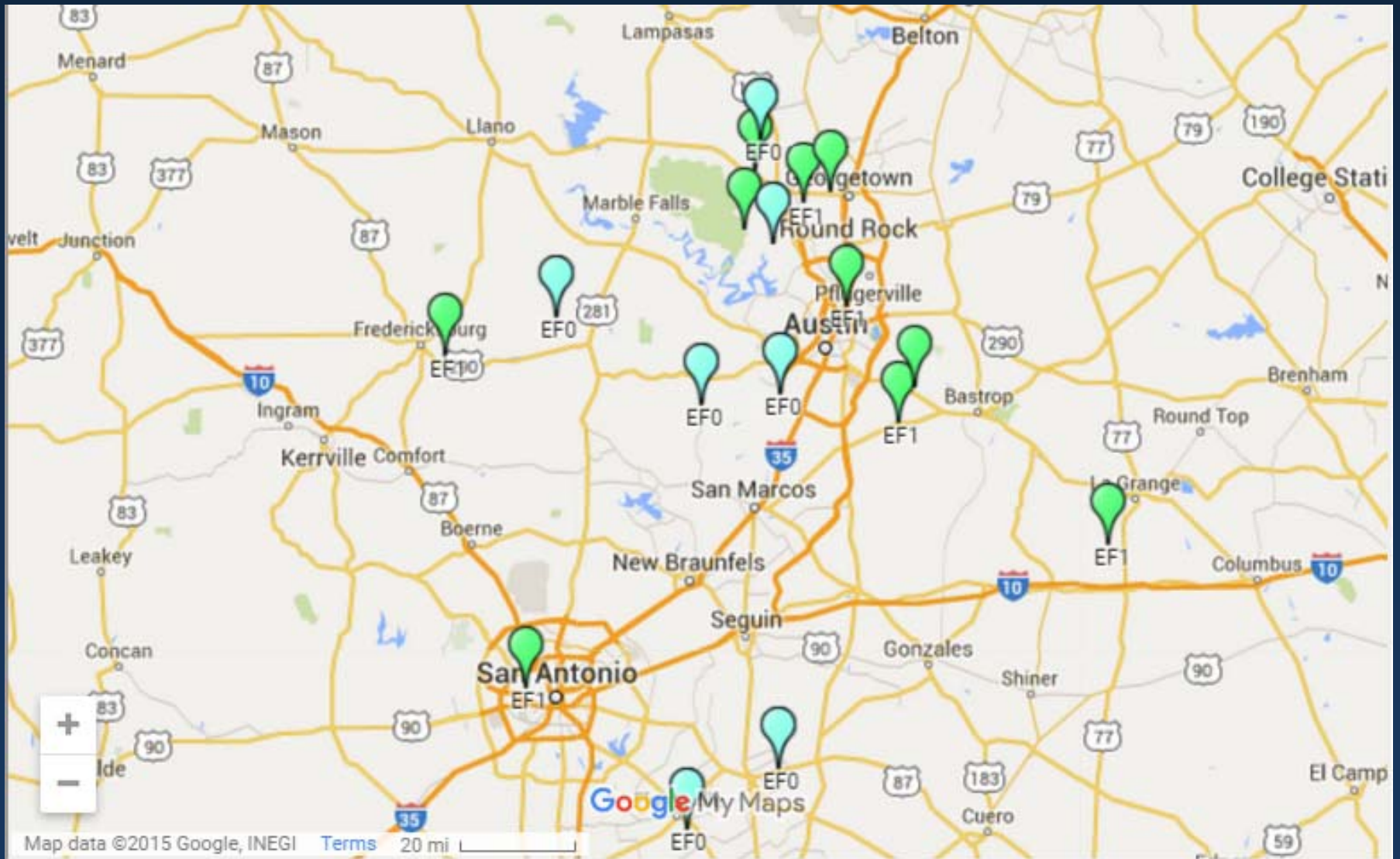
If the Flood Wasn't Bad Enough



Multiple Tornadic Circulations



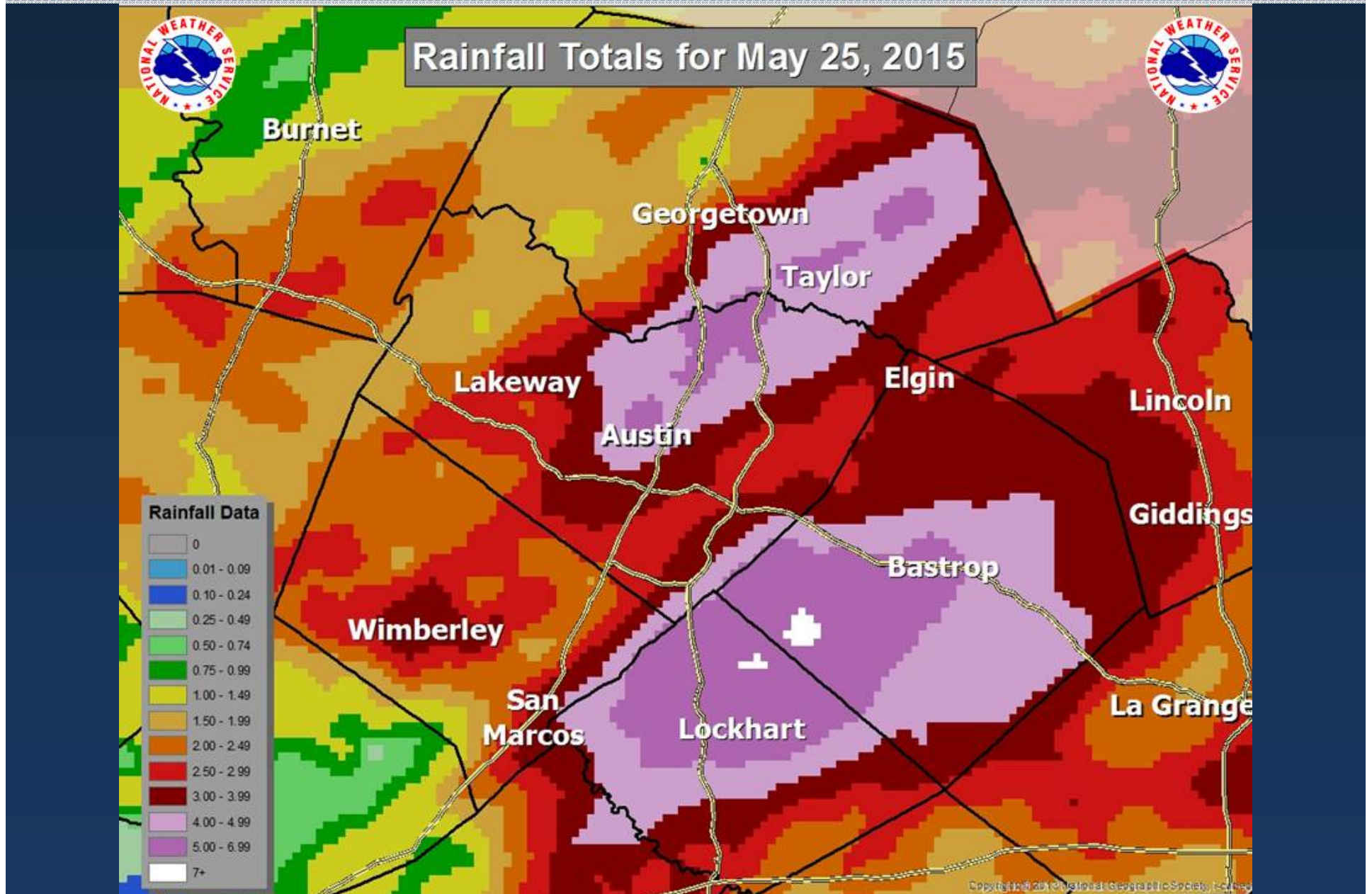
The Results...17 Tornadoes



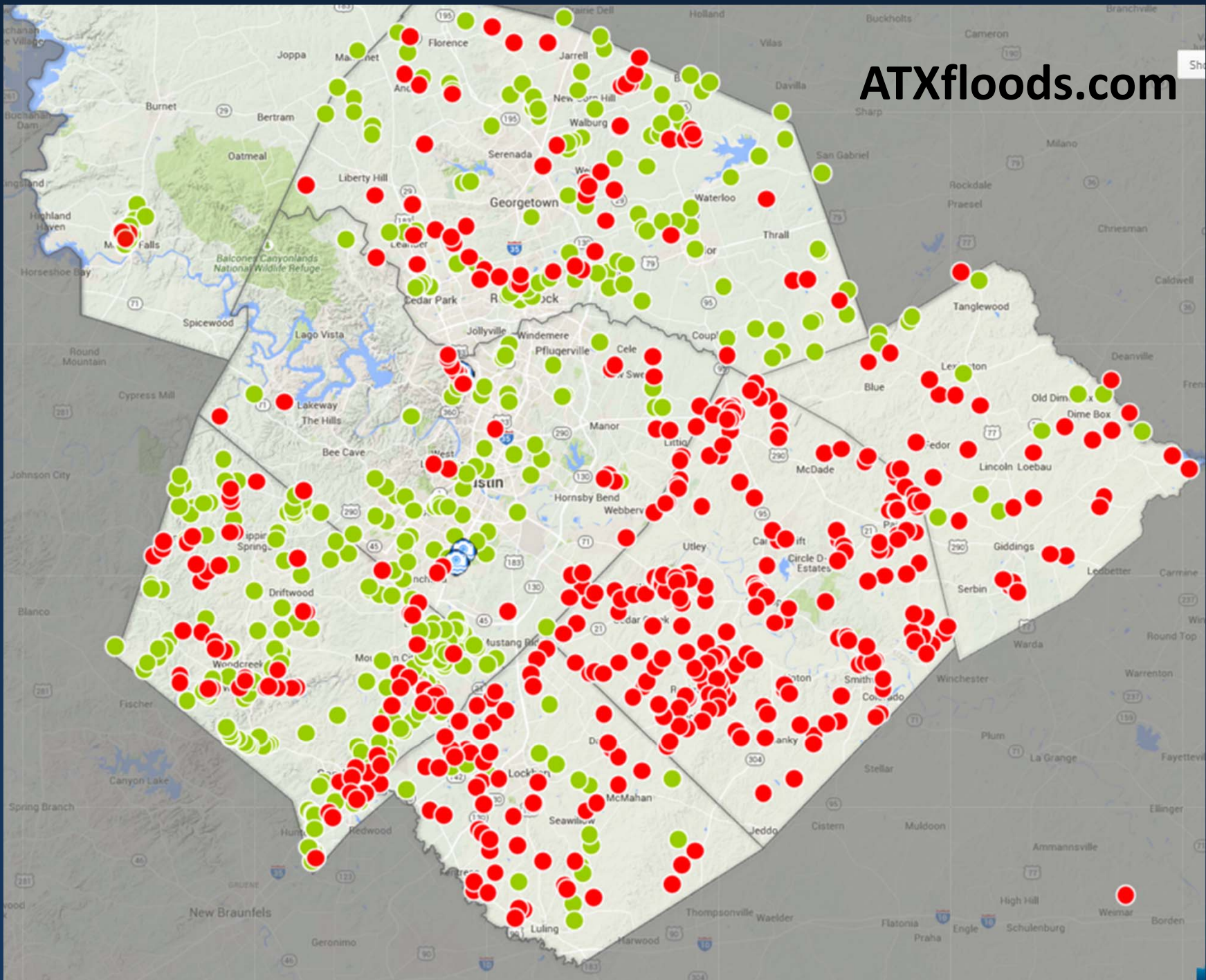
EF0

EF1

Still Not Done...May 25th



ATXfloods.com



Questions?

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weather.gov/ewx