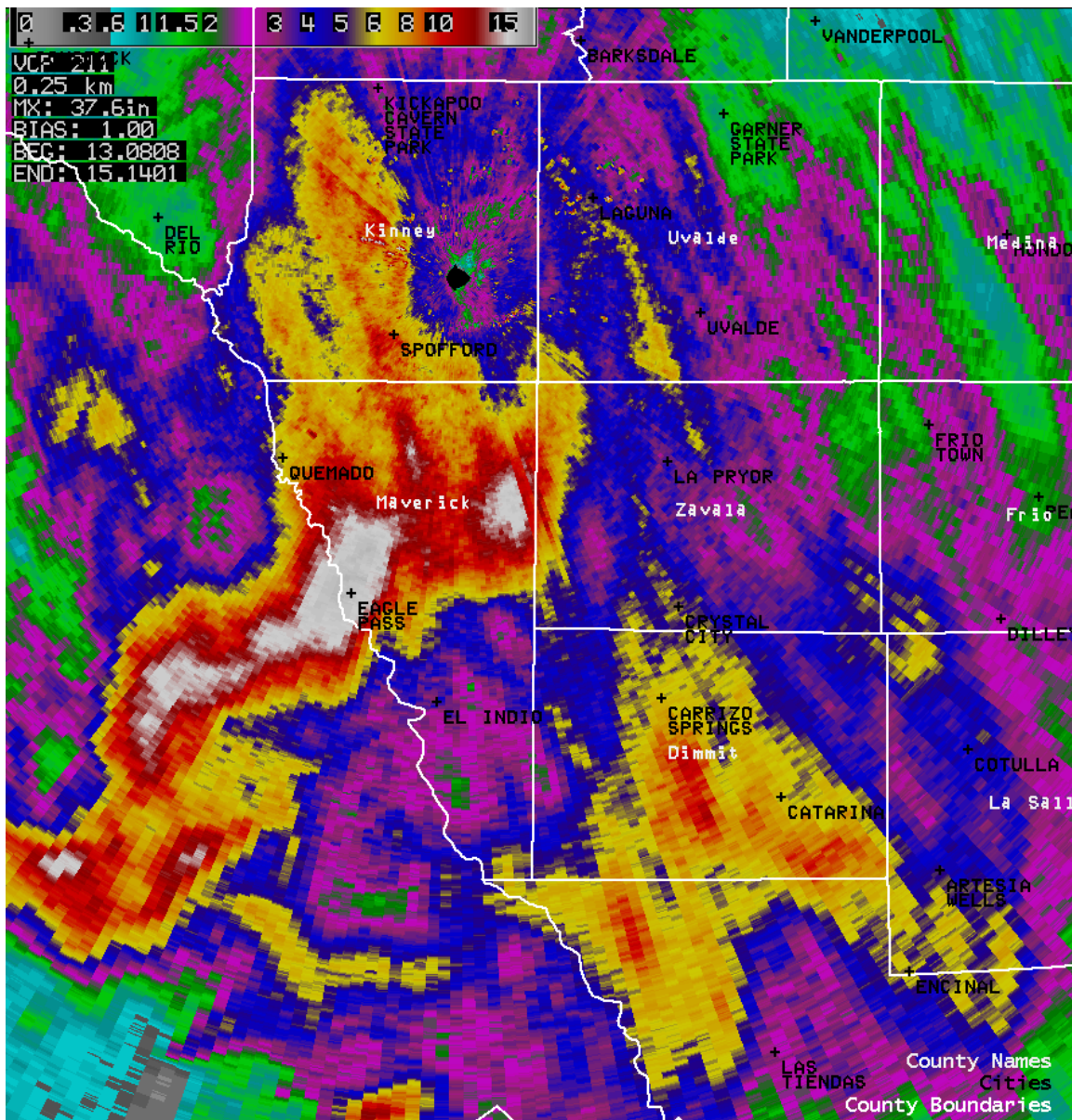


# June 14-15, 2013 Flash Flood Event

A very moist atmosphere combined with a weak upper level low pressure system resulted in very heavy rainfall and significant flooding across portions of the Rio Grande Plains on June 14 and 15. From late Friday morning through Saturday, an incredible 17.05" of rain fell in Eagle Pass, Texas.



The image above shows radar estimated precipitation amounts across the Rio Grande Plains on June 14 and 15, 2013. Radar estimates show widespread 6 to 10" rainfall totals across the northern half of Maverick County. Significant rains also fell across the western half of Kinney County as well as much of Dimmit County.

The following table shows 24 and 36 hour precipitation totals ending 9 AM Saturday morning across the Rio Grande plains. Many of these reports came from our cooperative observers, storm spotters and volunteer precipitation observers. The National Weather Service would like to thank our dedicated volunteers for their valuable rainfall reports.

...24 AND 36 HOUR PRECIPITATION AMOUNTS ACROSS PORTIONS OF SOUTH CENTRAL TEXAS...

...LATEST 36 HOUR PRECIPITATION REPORTS...

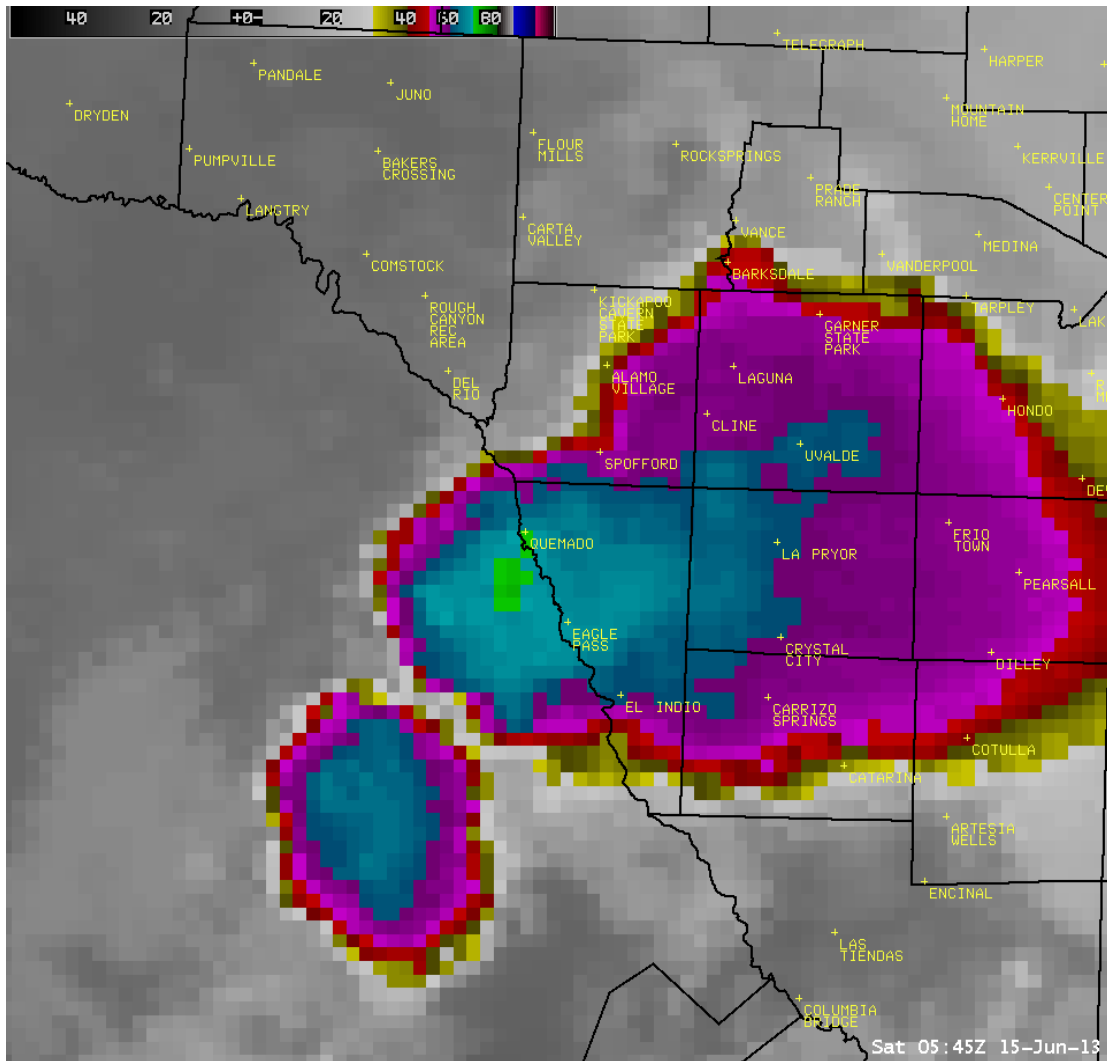
...LOCATION...	...TIME...	...AMT...
EAGLE PASS (MAVERICK TX)	900 AM JUN 15	17.05 IN
3 NNE EAGLE PASS (MAVERICK TX)	700 AM JUN 15	16.65 IN

...LATEST 24 HOUR PRECIPITATION REPORTS...

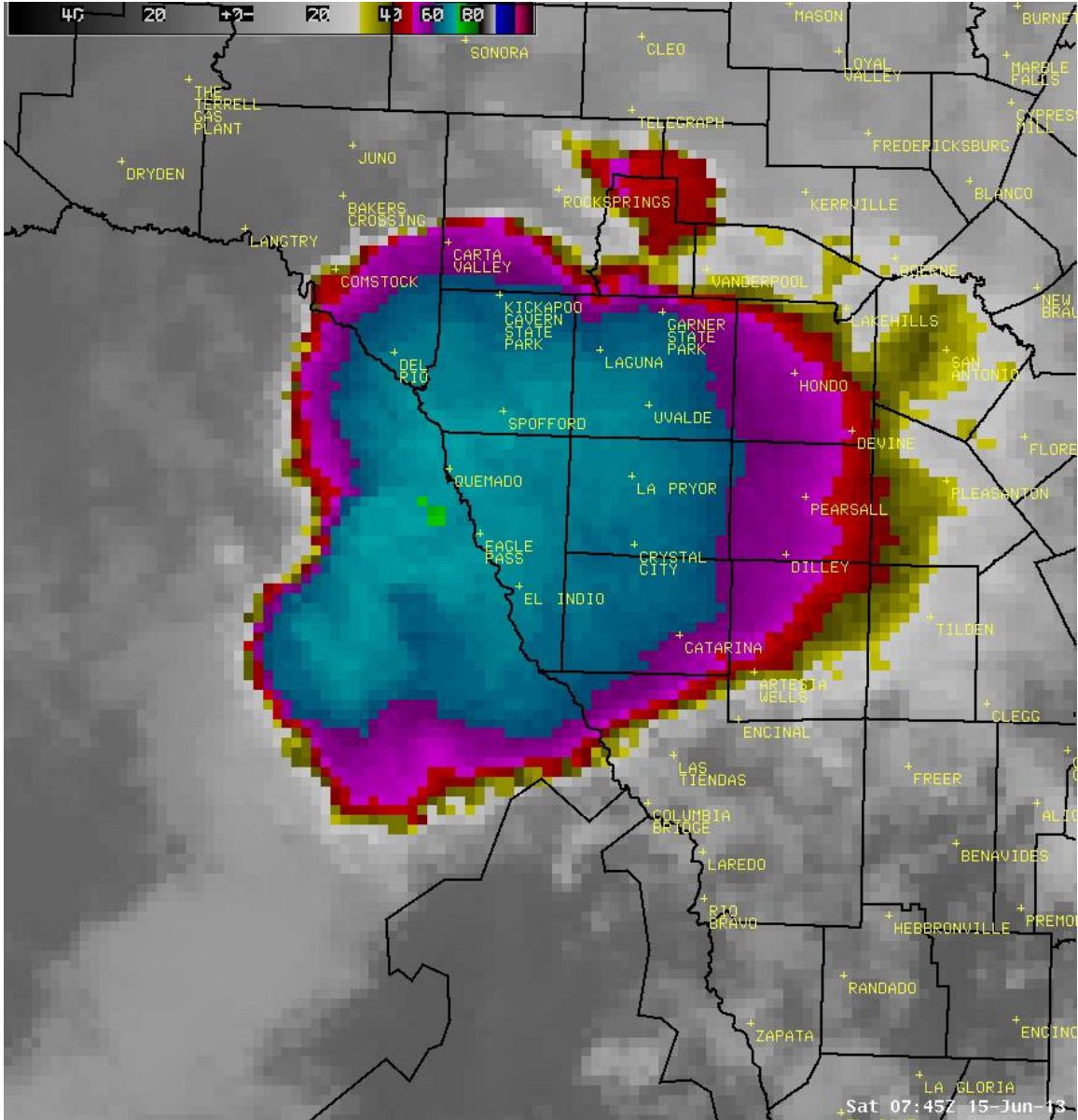
...LOCATION...	...TIME...	...AMT...
EAGLE PASS (MAVERICK TX)	900 AM JUN 15	15.17 IN
3 NNE EAGLE PASS (MAVERICK TX)	700 AM JUN 15	10.00 IN
BRACKETTVILLE (KINNEY TX)	900 AM JUN 15	6.50 IN
5 W BRACKETTVILLE (KINNEY TX)	700 AM JUN 15	5.84 IN
3 NNE CARRIZO SPRINGS (DIMMIT TX)	700 AM JUN 15	4.65 IN
CRYSTAL CITY (ZAVALA TX)	900 AM JUN 15	4.30 IN
SPOFFORD (KINNEY TX) (COCORAHS)	815 AM JUN 15	4.25 IN
7 ENE BARKSDALE (REAL TX) (COCORAHS)	700 AM JUN 15	3.85 IN
CARRIZO SPRINGS (DIMMIT TX) (COOP)	700 AM JUN 15	3.72 IN
14 NNW ALAMO VILLAGE (KINNEY TX) (RAWS)	900 AM JUN 15	3.61 IN
12 NE ROCKSPRINGS (EDWARDS TX) (LCRA)	925 AM JUN 15	3.18 IN
16 E CARTA VALLEY (EDWARDS TX)	808 AM JUN 15	3.04 IN
17 E CARTA VALLEY (EDWARDS TX)	800 AM JUN 15	3.04 IN
9 ESE ROCKSPRINGS (EDWARDS TX)	700 AM JUN 15	2.91 IN
5 NW REAGAN WELLS (UVALDE TX)	800 AM JUN 15	2.86 IN
6 NNE ROCKSPRINGS (EDWARDS TX)	700 AM JUN 15	2.85 IN
ROCKSPRINGS (EDWARDS TX) (COOP)	700 AM JUN 15	2.80 IN
9 WSW ROCKSPRINGS (EDWARDS TX)	700 AM JUN 15	2.47 IN
26 N BRACKETTVILLE (KINNEY TX) (COOP)	800 AM JUN 15	2.30 IN
14 NW LEAKEY (REAL TX) (COCORAHS)	800 AM JUN 15	2.25 IN
5 NW ROCKSPRINGS (EDWARDS TX)	800 AM JUN 15	2.20 IN

The first round of heavy rainfall started Friday morning, June 14 around 8 AM and continued until Noon. The automated river gauge on the Rio Grande at Eagle Pass recorded just over 4" of rain during this time period. As a result of this initial round of rainfall, Highway 277 between Quemado and Eagle Pass was closed due to flooding. In addition, water began entering homes located near flooded irrigation canals.

The next round of rainfall began late Friday evening around 11 PM and continued until 9 AM Saturday morning. During this time period, an impressive 11.1” of rain fell at the river gauge near Eagle Pass. Rainfall rates peaked between Midnight and 2 AM when amounts averaged 3” per hour. As a result of this intense rainfall and flooding, Maverick County Emergency Management ordered mandatory evacuations for persons along main creeks and canals beginning around 1:30 AM Saturday morning. At one point during the night various shelters in Eagle Pass housed several hundred people. The heavy rains decreased after 9 AM Saturday morning, but significant flooding continued.

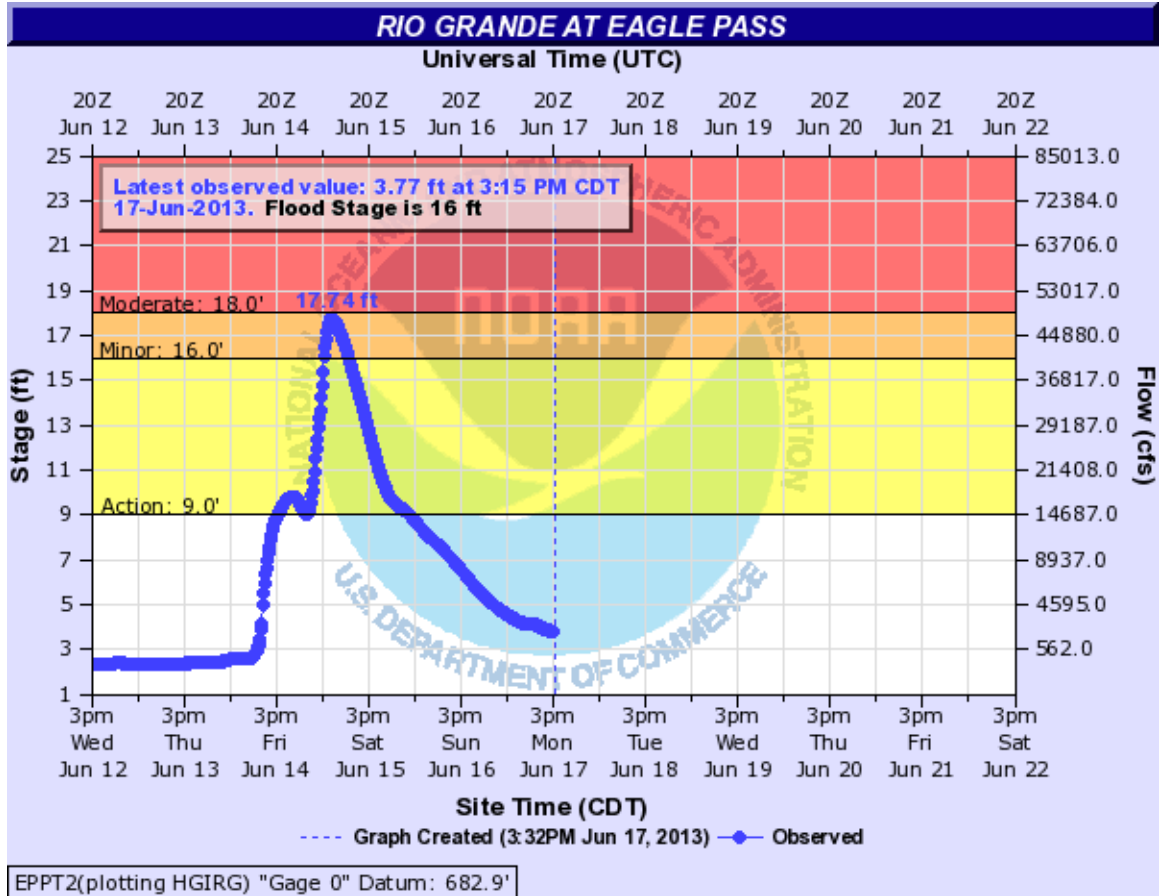


**The image above shows an area of thunderstorms along the Rio Grande during the early morning hours on June 15, 2013. The brighter blue and green colors indicate stronger thunderstorms and more intense rainfall rates. This image was taken at 12:45 AM on Saturday, June 15. At the time of this image, these thunderstorms extended to roughly 50,000 feet above ground and were producing rainfall rates near 3” per hour in Eagle Pass, TX.**



**This satellite image was taken two hours later at 2:45 AM on the morning of June 15, 2013. Strong thunderstorms and very heavy rainfall continue over the Rio Grande Plains, including Maverick County and the city of Eagle Pass.**

The heavy rains also brought significant river rises to the Rio Grande at Eagle Pass.



This graph above shows the rise in river levels at the gauge located near Eagle Pass, Texas.



**The photo above shows flooding along U.S. Highway 277 and Elm Creek. This photo is courtesy of the Eagle Pass Daily News.**



**A flooded home in Eagle Pass, Texas. This photo is courtesy of the Eagle Pass Daily News.**