National Weather Service
Product Description Document (PDD)

Texas Regional Rainfall Webpage

Part 1: Mission Connection

1. Product Description:
The Texas Regional Rainfall webpage will display the most current quantitative precipitation estimates (QPE) produced by the Advanced Hydrologic Prediction Service (AHPS). Four maps containing QPE for durations of 24-hour, 48-hour, 72-hour, and weekly will be available each day for a region of Texas containing the County Warning Areas of the National Weather Service offices in Brownsville, Corpus Christi, Austin/San Antonio, and Houston/Galveston. There will be a built-in archive function on the webpage that will allow the user to quickly obtain QPE maps for past dates.

2. Purpose/Intended Use:
The purpose of this webpage is to provide customers and partners with a quick, easy, and efficient method to view observed rainfall maps for the current day and/or past days.

3. Audience:
The webpage can be used by the public, emergency managers, media partners, and the private sector.

4. Presentation Format
All the graphics will be in the form of a PNG at a full resolution of 825 x 638 pixels. They can be viewed at http://www.srh.noaa.gov/crp/?n=texas_regional_rainfall.

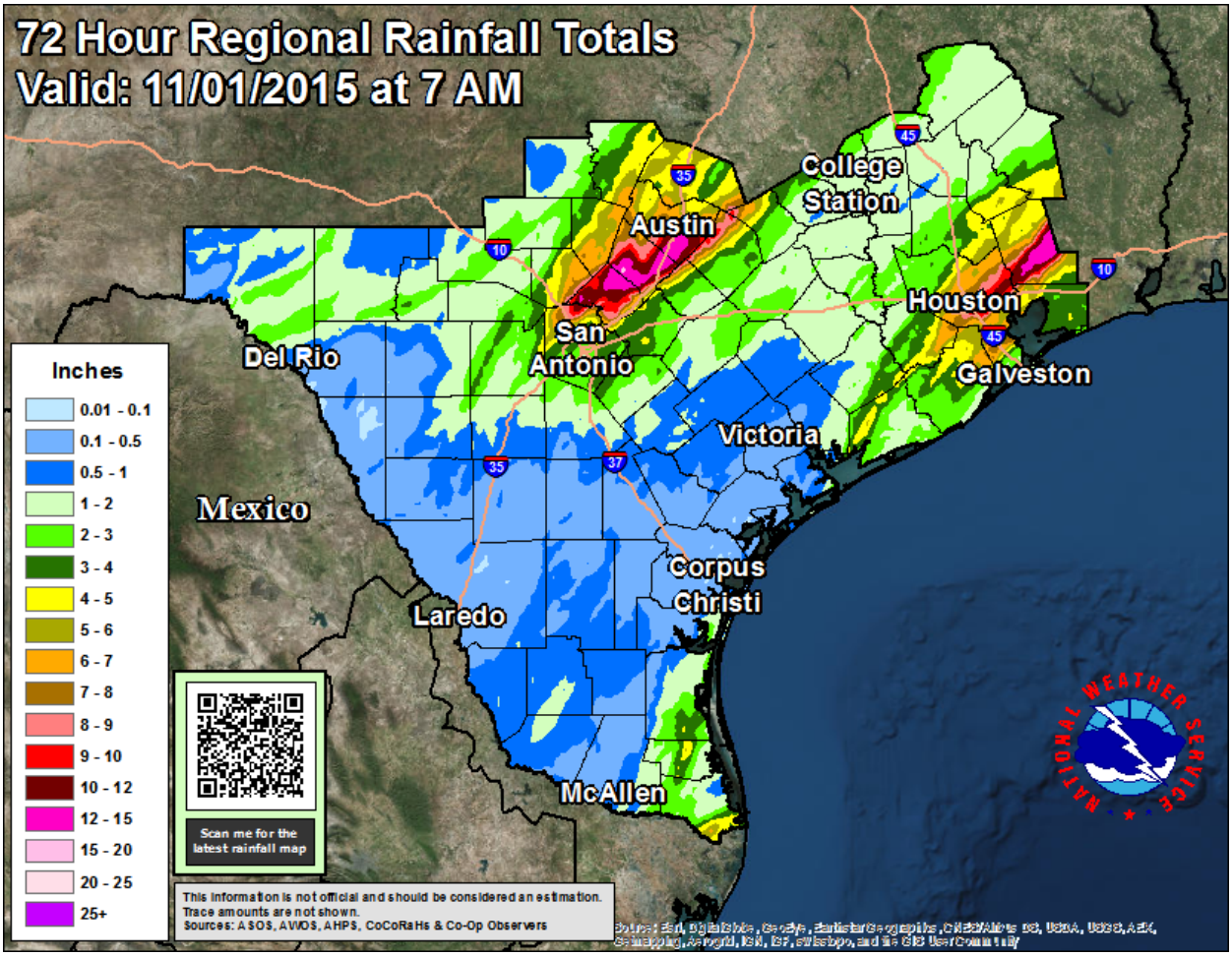
5. Feedback Method:
Comments will be compiled and evaluated through an interactive link on the product webpage. Comments will be solicited for a year, beginning February 1, 2016. During this feedback period, a proactive effort will address any issues regarding the data and layout of the webpage.

Part 2 – Technical:

1. Format and Science Basis:
The webpage was built using licensed JavaScript software Highslide and open source jQuery and jQuery UI technologies. The maps are produced using ESRI's ArcGIS 10.3 for Desktop software. The source of QPE data comes from AHPS shapefiles at http://water.weather.gov/precip/p_download_new/.

2. Availability
The service will be available 24 hours a day, 7 days a week by visiting the webpage at http://www.srh.noaa.gov/crp/?n=texas_regional_rainfall. The maps will normally be available by noon each and every day.

3. Additional Information:



Additional Information may be obtained by contacting Michael Buchanan, the Science and Operations Officer at the National Weather Service office in Corpus Christi Texas:

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