

National Weather Service
Product Description Document (PDD)
Prototype Texas Regional Rainfall Webpage

Part 1: Mission Connection

1. Product Description:

The prototype Texas Regional Rainfall Web page 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. There will be a built-in archive function on the webpage that will allow the user to quickly obtain QPE maps for past dates. Implementation of this prototype will be limited to the Weather Forecast Office (WFO) in Corpus Christi, TX within the National Weather Service (NWS) Southern Region (SR) at this time. The maps will cover the county warning areas of the following Texas WFOs: Corpus Christi, Brownsville, Austin/San Antonio and Houston/Galveston.

2. Purpose/Intended Use:

The purpose of this web page 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. This prototype will be used to assess and evaluate feedback to support national AHPS implementation of this capability.

3. Audience:

The prototype can be used by the public, emergency managers, media partners, and the private sector but should not be used for operational decision making.

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.weather.gov/crp/texas_regional_rainfall.

5. Feedback Method:

Comments will be compiled and evaluated through an interactive link on the prototype webpage:

www.nws.noaa.gov/survey/nws-survey.php?code=RegRain.

Comments will be solicited for a period of six months. During this feedback period, a proactive effort will be made to address any issues regarding the data and layout of the webpage. Feedback received during the comment period will be assessed to support national implementation within AHPS.

Part 2 – Technical:

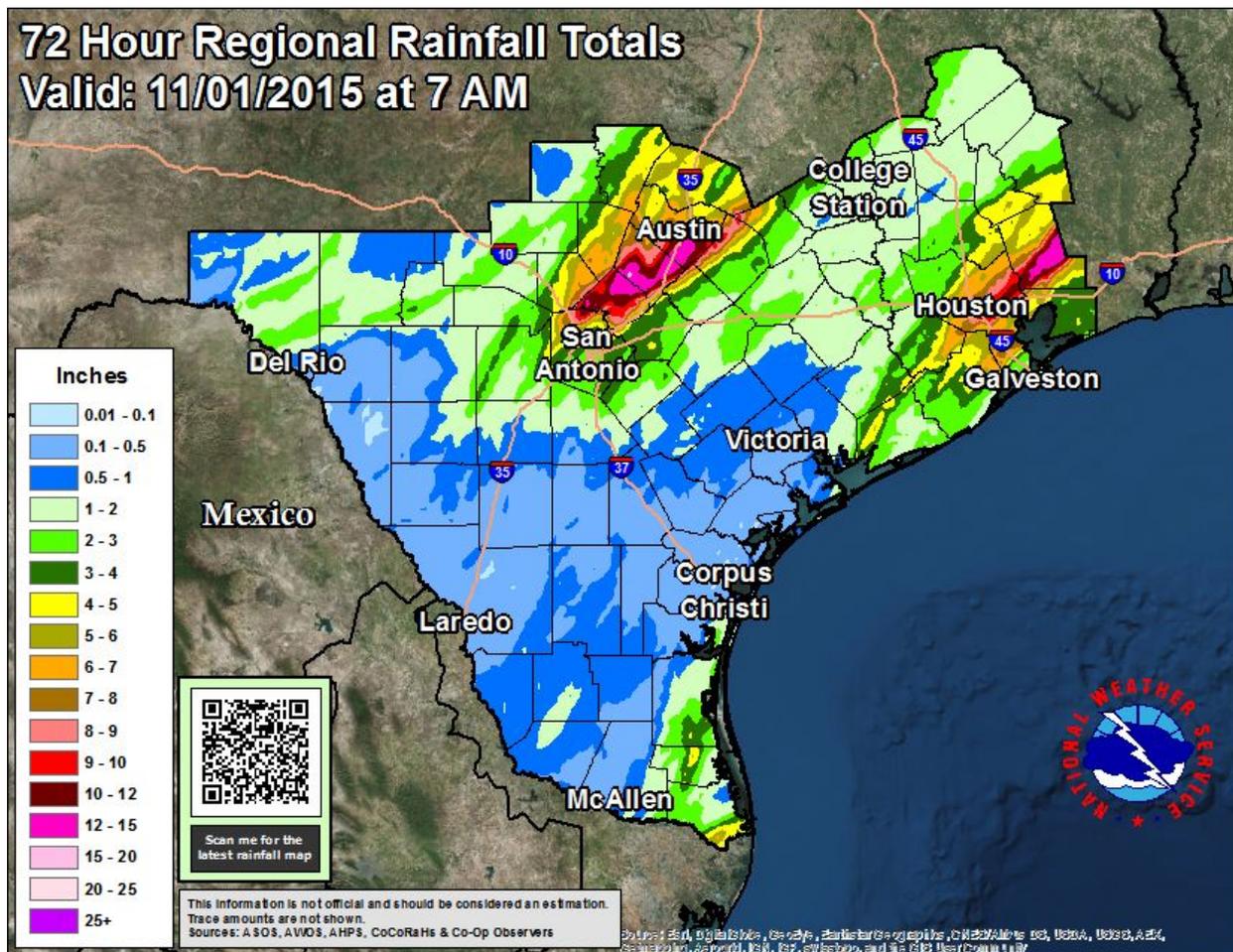
1. Format and Science Basis:

The prototype 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

This prototype will normally be available 24 hours a day, 7 days a week by visiting the webpage at http://www.weather.gov/crp/texas_regional_rainfall. However, it cannot be guaranteed to be available 24 hours a day, 7 days week. The maps will normally be available by noon central time 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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