

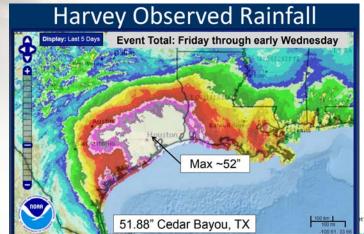
Quantitative Precipitation Forecasts

Based on 7-day rainfall ending at 5 pm on 8/31:

- 6.9 million people had 30+
- 1.25 million had 45+
- 11 thousand had 50+

Initiated detailed QPF graphics and multiday rainfall outlooks early

The hourly output from the HRRR depicted detailed areas of heaviest precipitation

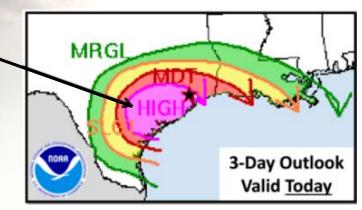




Tropical "firsts" for Harvey

- First-ever HIGH RISK in the Day
 3 Rainfall Outlook
- Rainfall was so excessive, the scales had to be increased
- Coordinated statements:

 "Rainfall of this magnitude is causing catastrophic and lifethreatening flooding."
- Only the second time an Extreme Wind Warning has been issued







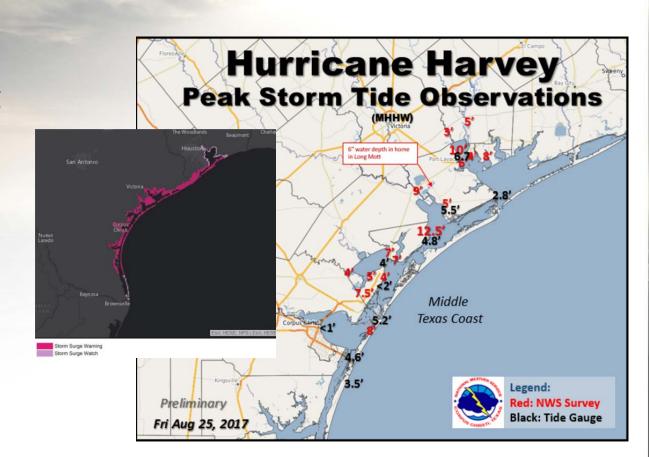
#<u>Harvey</u> in perspective. So much rain has fallen, we've had to update the color charts on our graphics in order to effectively map it.



Tropical"firsts" for Harvey

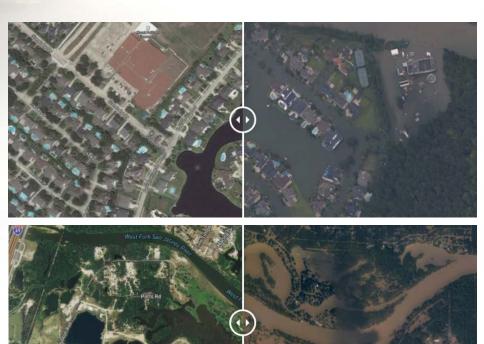
NHC used a Storm
Surge Graphic along
the coast.

Harvey marks the first time the new storm surge watch and warning was officially issued by the NWS.



Aviation Support

- Supported operations with P3 and G-IV flights.
 - P3 had a total of 12
 penetrations over 3 hurricane flights.
- Twin Otter (N48) outfitted with camera equipment and continuing damage assessment for Texas.
- King Air (N68) repositioned on 8/27 to support damage assessment flights.



Response Teams

Navigation -

- NRT2 (FL) Mobilized to Corpus Christi Ship Channel for surveys with side-scan sonar
- NRT4 (TX) Integrated pole mounted sidescan sonar and is surveying the Houston Ship Channel
- Mobile Integrated Survey Team (MIST) was integrated on the R/V MANTA and is using single beam and sidescan in Houston
- David Evans and Associates R/V Blake is supporting surveys at the Houston-Galveston ship channel outer bar

Pollution -

- SSTs are supporting 4 incident command posts: Corpus Christi, Houston, and Port Arthur and New Orleans
- Coordinating with the Texas Workgroup which focuses on ESF-10 hazmat and coastal debris threats
- Response Examples: natural gas leak, gasoline spills, marine debris, and wildlife rescues and strandings



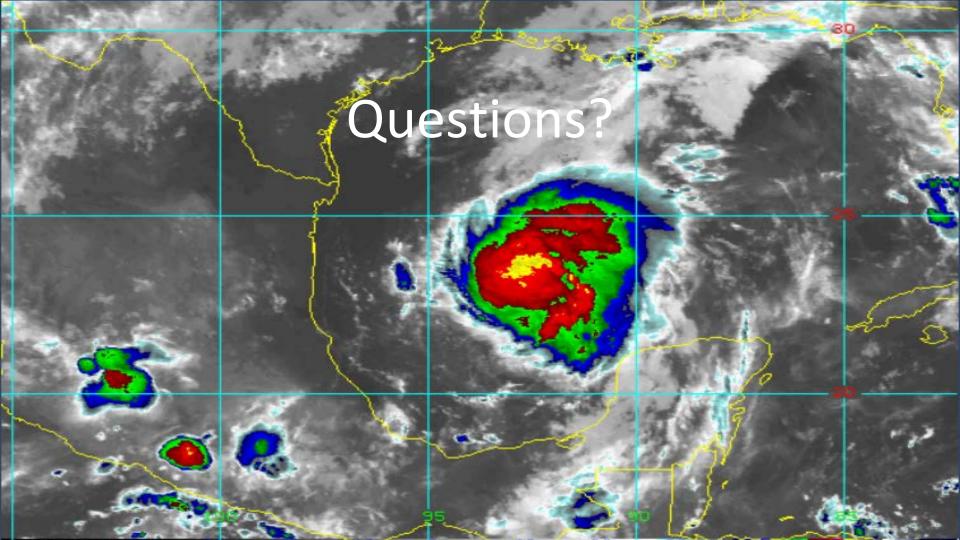


Using Social Media

NWS Comms Office Reach

- Twitter @NWS
 - Last 5 days: 7M
 - Friday: 2M
 - Saturday: 3.1 M
- Facebook
 - Last 5 days: 2.4M
 - Friday: 815K
 - Saturday:127k (FB outage)





Our Partners are Force Multipliers

- Partners and Ambassadors posted NWS material directly to their accounts.
- Nextdoor's CEO speaks
 about resilient
 communities and working
 with "public agencies"
 during a media interview.

