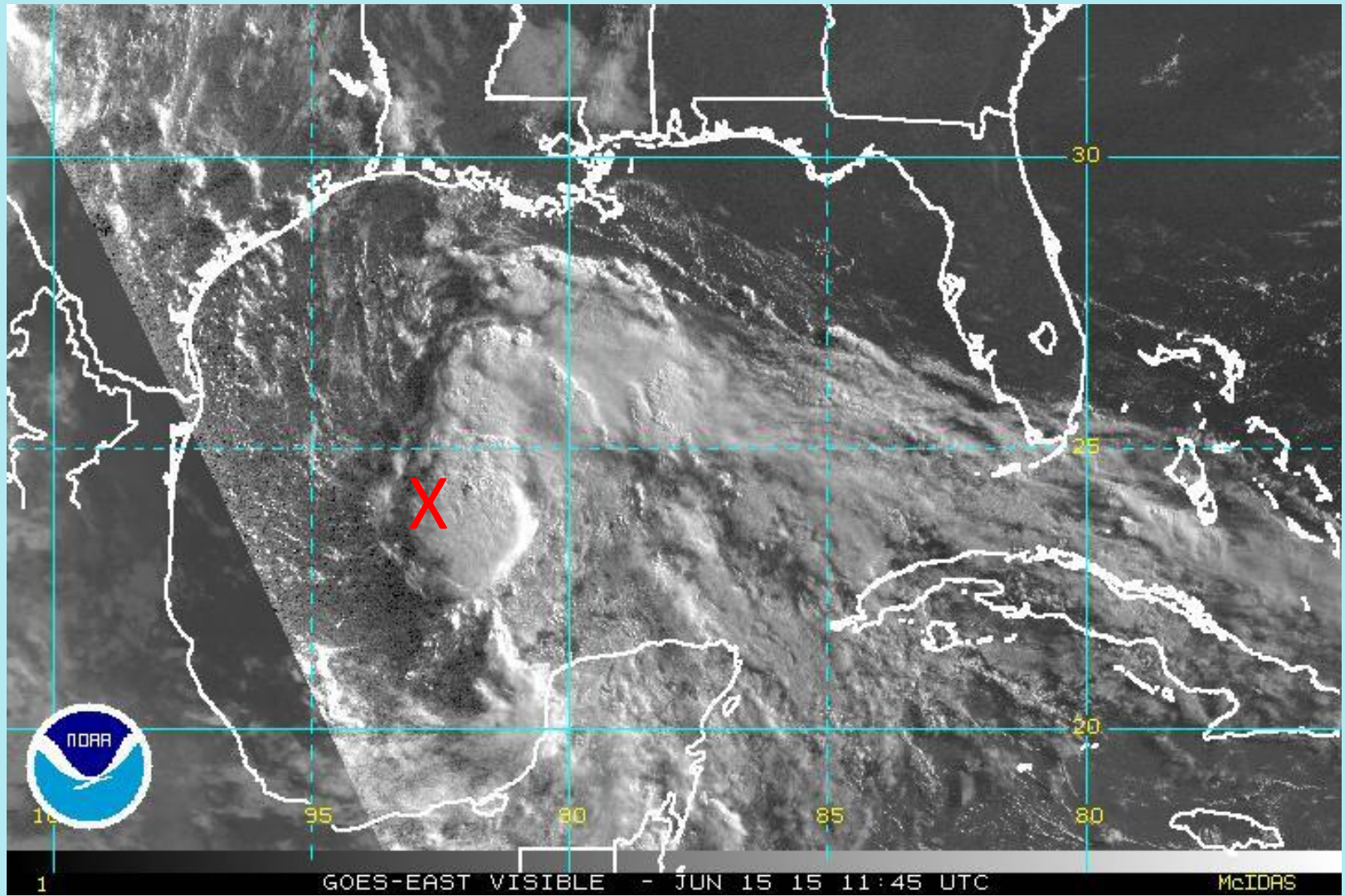


# **National Weather Service Houston/Galveston**

*Tropical Briefing: Disturbance 91L  
10 am CDT June 15th 2015*

Dan Reilly  
NWS Houston/Galveston

Tropical disturbance over Western Gulf of Mexico has shown some signs of organization this morning; currently being investigated by Hurricane Hunters; could become TS Bill





# Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Disturbance 1

Disturbance with an 80 percent chance of becoming a tropical depression or tropical storm prior to landfall

Should make landfall along Texas coast (near Matagorda Bay?) late tonight or Tuesday

8:00 am EDT  
Mon Jun 15 2015

95°W 85° 75° 65° 55° 45° 35° 25° 15°W

Tropical Cyclone Formation Potential for the 5-Day Period Ending 8:00 am EDT Sat Jun 20 2015

Chance of Cyclone Formation in 5 Days: Low < 40% Medium 40-60% High > 60%

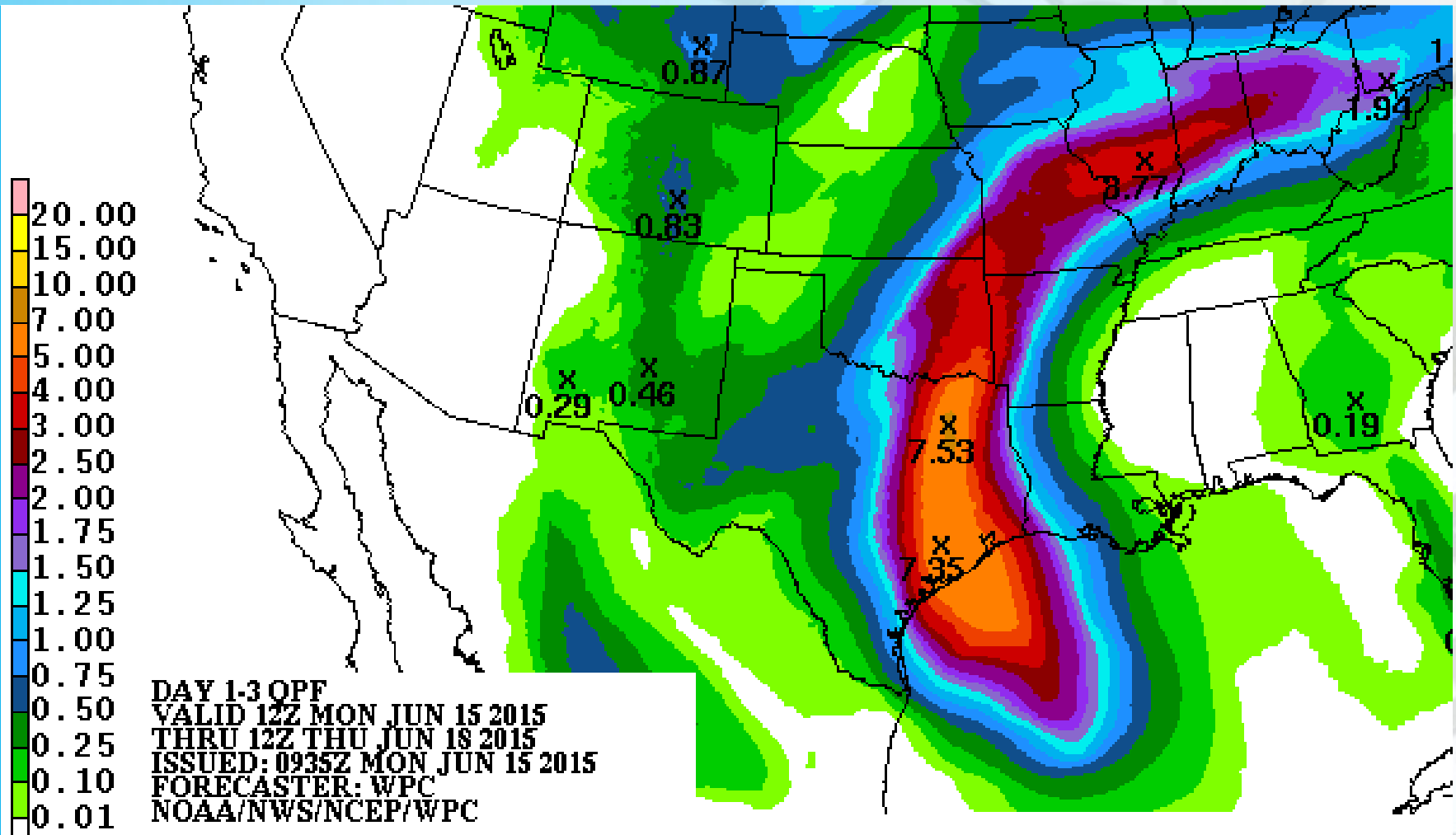
X indicates current disturbance location; shading indicates potential formation area.

# Expected Impacts

- Heavy rainfall/flash flooding
  - Flash Flood Watch late tonight through Wednesday
- Minor coastal flooding late Monday Night, Tuesday morning
  - Coastal Flood Advisory to be issued
- Gusty winds 30 to 50 mph, especially at the coast
- Isolated tornadoes
- High surf, elevated risk for rip currents

# Forecast Rainfall

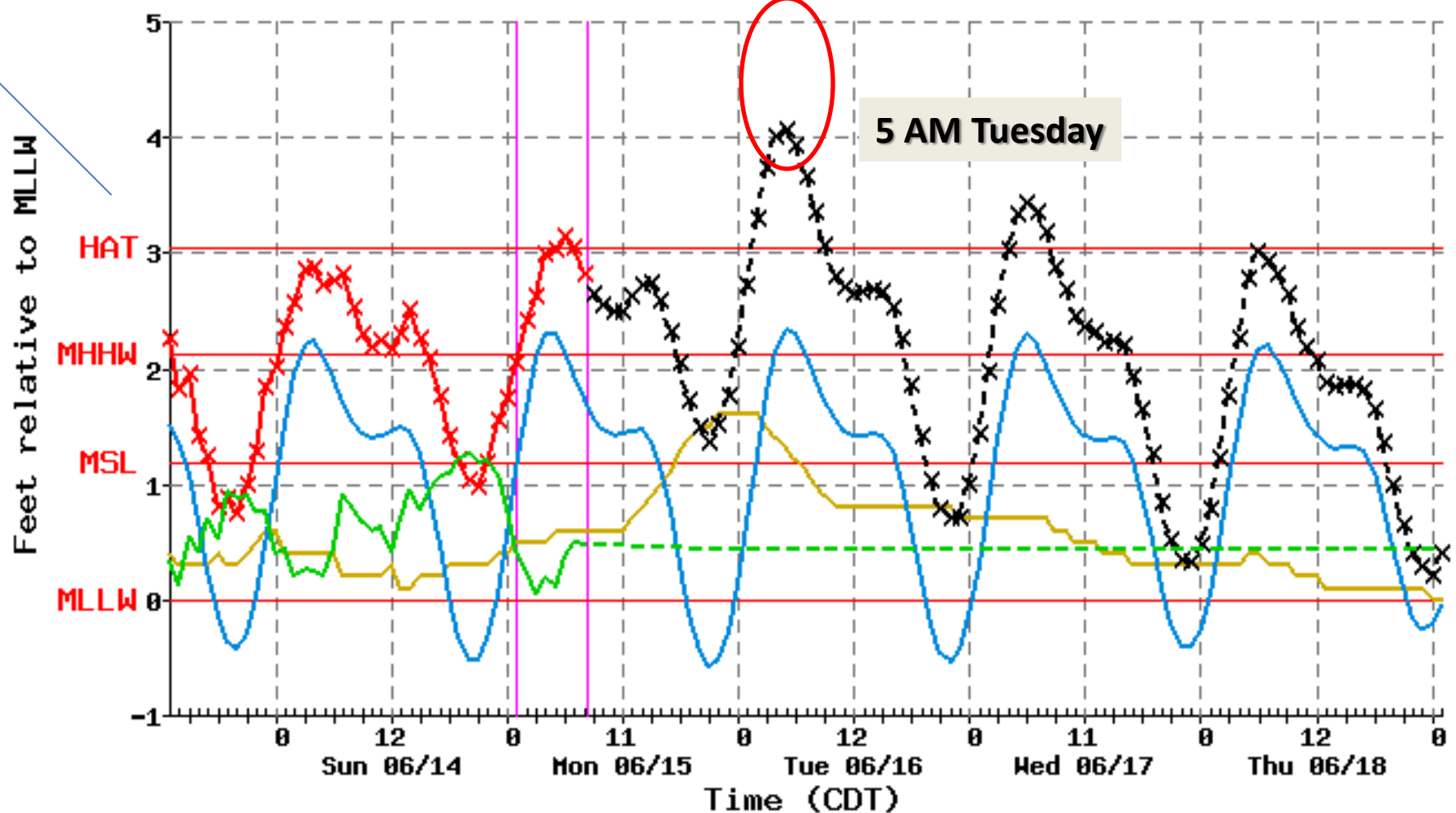
Five to eight inches of rain, locally higher, tonight through Wednesday; some uncertainty in position of heavy rain swath





# Coastal Flooding

on **Anomaly**  
(Obs.-(Tide+Surge)) Total Water  
Guidance  
Pier, TX : 06/15/2015 8:21 AM CDT

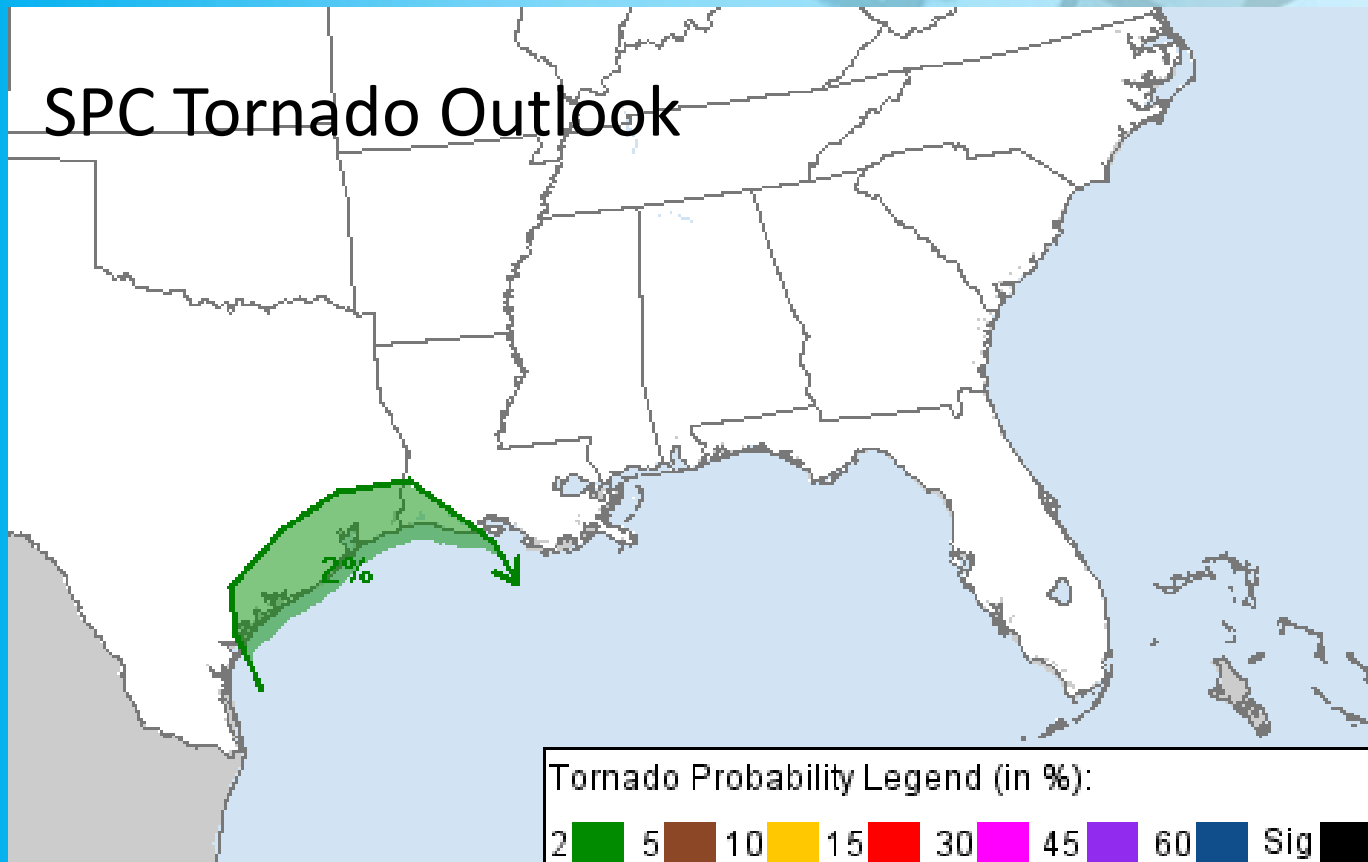


Highest tides likely to early Tuesday morning. Water level 4 to 5 feet above MLLW for early morning high tide at Galveston Pleasure Pier; inundation/surge flooding 1 to 2 feet above ground

# Tornadoes

- Southeast Texas will be in favored right front quadrant of system
- Isolated tornadoes possible in rainbands

## SPC Tornado Outlook





# National Weather Service

## Houston/Galveston, Texas

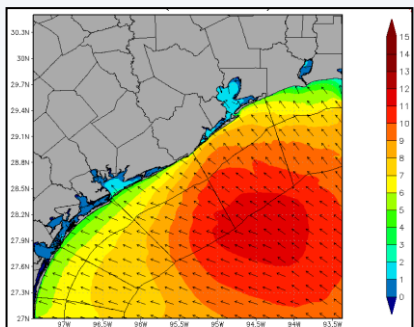
### *Tropical Weather Update – Marine Impacts*

	Winds	Seas 0-20NM	Seas 20-60NM	Water/Tide Levels	Onset of <b>tropical storm force</b> winds along coast	Onset of <b>hurricane force</b> winds along coast
<b>Today</b>	E 15-20kt	5-7	7-10	+1-1.5 ft		
<b>Tonight</b>	E 20-40kt	6-9	8-12	+2ft	3am	
<b>Tue</b>	SE 25-40kt	6-9	8-12	+2-3ft	gusts thru noon	
<b>Tue nt</b>	S 20-30kt	6-8	7-10	+1.5-2		
<b>Wed</b>	S 20-25 kt	5-7	7-9	+1.5		
<b>Wed nt</b>	SE 15-20kt	4-6	6-7	+1.5		
<b>Thu</b>	SE 10-15kt	4-6	5-6	+1		

- The above is based on current thinking – the forecast always subject to significant changes in these type situations.
- Winds/seas higher with passing squalls.

#### Other:

- Longer period swell beginning to arrive along upper Tx coast today.
- Building seas and surf. Rip Current Risk is high.



weather.gov/houston



Social Media:  
**NWSHouston**

**6/15/2015  
10 AM CDT**



# Summary/Confidence

- Heavy rainfall/flash flooding (**High**)
  - Flash Flood Watch late tonight through Wednesday
- Minor coastal flooding late Monday Night, Tuesday morning (**Medium**)
  - Coastal Flood Advisory to be issued
- Gusty winds 30 to 50 mph, especially at the coast (**Medium**)
- Isolated tornadoes (**Low**)
- High surf, elevated risk for rip currents (**Medium**)