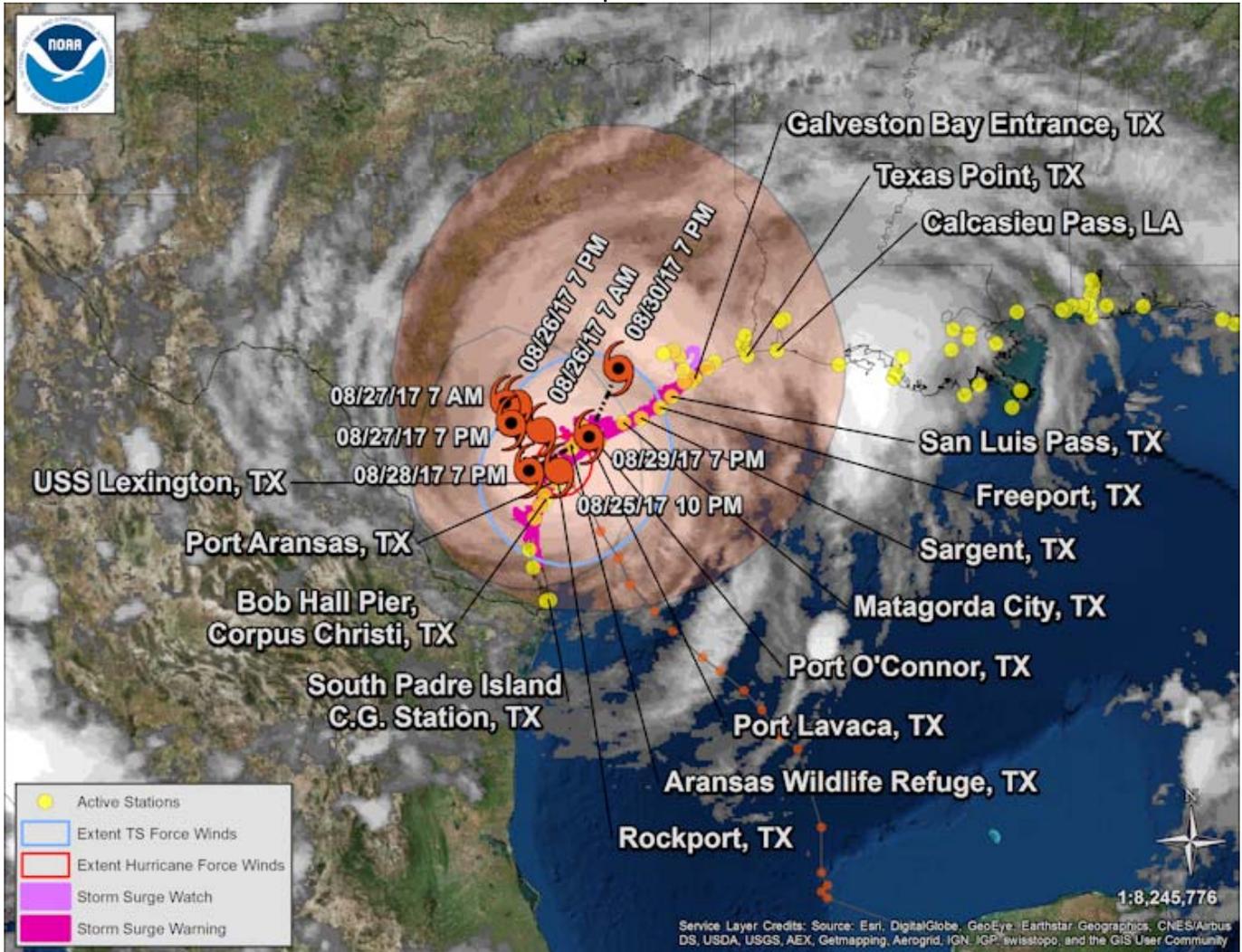




## Hurricane HARVEY QuickLook Posted: 23:00 CDT 08/25/2017

NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

Hurricane Harvey made landfall between Port Aransas and Port O'Connor, TX at about 2100 CDT on 08/25/2017.

As of 8/25/2017 2300 CDT, water levels along the Texas and Louisiana coastlines currently range between 0 and 5.5 feet above tidal predictions. The highest water level residuals of 2 to 5.5 feet are occurring on the eastern side of landfalling Hurricane Harvey. Stations in the path of the eye are seeing diminished water level residuals, wind speeds and very low barometric pressure. Winds elsewhere continue to increase with wind gusts upwards of 60-75 knots. Barometric pressure continues to fall as the eye moves over the area and will shortly rebound.

Water Level and Meteorological plots available below are updated automatically. A line denoting [Mean Higher High Water \(MHHW\)](#) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: AC

-----  
SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

Hurricane Harvey Advisory Number 23

NWS National Hurricane Center Miami FL

1000 PM CDT Fri Aug 25 2017

...EYE OF CATEGORY 4 HARVEY MAKES LANDFALL BETWEEN PORT ARANSAS AND  
PORT O'CONNOR TEXAS...

...CATASTROPHIC FLOODING EXPECTED DUE TO HEAVY RAINFALL AND STORM  
SURGE...

SUMMARY OF 1000 PM CDT...0300 UTC...INFORMATION

-----  
LOCATION...28.0N 97.0W

ABOUT 30 MI...45 KM ENE OF CORPUS CHRISTI TEXAS

ABOUT 45 MI...75 KM SW OF PORT OCONNOR TEXAS

MAXIMUM SUSTAINED WINDS...130 MPH...215 KM/H

PRESENT MOVEMENT...NW OR 325 DEGREES AT 7 MPH...11 KM/H

MINIMUM CENTRAL PRESSURE...938 MB...27.70 INCHES

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

\* Port Mansfield to High Island Texas

A Hurricane Warning is in effect for...

\* Port Mansfield to Sargent Texas

A Tropical Storm Warning is in effect for...

\* North of Sargent to High Island Texas

A Storm Surge Warning means there is a danger of life-threatening inundation from rising water moving inland from the coastline in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov). This is a life-threatening situation.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area, in this case within the next few hours. Preparations to protect life and property should already be complete.

Interests in southwestern Louisiana should continue to monitor the progress of this system.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

-----  
At 1000 PM CDT (0300 UTC), the center of Hurricane Harvey was located near latitude 28.0 North, longitude 97.0 West. Harvey has just made landfall on the Texas coast over the northern end of San Jose Island about 4 miles (6 km) east of Rockport. Harvey is moving toward the northwest near 7 mph (11 km/h). The hurricane is expected to slow

its forward motion and move slowly over southeastern Texas during the next couple of days.

Maximum sustained winds are near 130 mph (215 km/h) with higher gusts. Harvey is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Weakening is forecast during the next 48 hours while the center of Harvey is over southeastern Texas.

Hurricane-force winds extend outward up to 40 miles (65 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km). A Texas Coastal Ocean Observing Network station at Aransas Pass recently reported sustained winds of 111 mph (178 km/h) and a wind gust of 131 mph (211 km/h).

The minimum central pressure just reported by an Air Force Reserve Hurricane Hunter aircraft is 938 mb (27.70 inches).

#### HAZARDS AFFECTING LAND

-----

**RAINFALL:** Harvey is expected to produce total rain accumulations of 15 to 30 inches and isolated maximum amounts of 40 inches over the middle and upper Texas coast through next Wednesday. During the same time period Harvey is expected to produce total rain accumulations of 5 to 15 inches in far south Texas and the Texas Hill Country over through southwest and central Louisiana. Rainfall of this magnitude will cause catastrophic and life-threatening flooding.

**STORM SURGE:** The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide...

Port Aransas to Port O'Connor...9 to 13 ft

Port O'Connor to Sargent...6 to 9 ft

N Entrance Padre Island Natl Seashore to Port Aransas...5 to 8 ft

Sargent to Jamaica Beach...4 to 6 ft

Port Mansfield to N Entrance Padre Island Natl Seashore...3 to 5 ft

Jamaica Beach to High Island...2 to 4 ft

Mouth of the Rio Grande to Port Mansfield...1 to 3 ft

High Island to Morgan City...1 to 3 ft

The deepest water will occur along the immediate coast near and to the northeast of the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

**WIND:** Hurricane conditions are occurring along the coast in the Port Aransas to Port O'Connor area and should spread over other portions of the hurricane warning area during the next several hours. Tropical storm conditions are occurring in other portions of the hurricane and tropical storm warning areas. Tropical storm conditions are likely to persist along portions of the coast through at least Sunday.

**SURF:** Swells generated by Harvey are affecting the Texas, Louisiana, and northeast Mexico coasts. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

**TORNADOES:** Tornadoes are possible through Saturday near the middle and upper Texas coast into far southwest Louisiana.

#### NEXT ADVISORY

-----

Next intermediate advisory at 100 AM CDT.

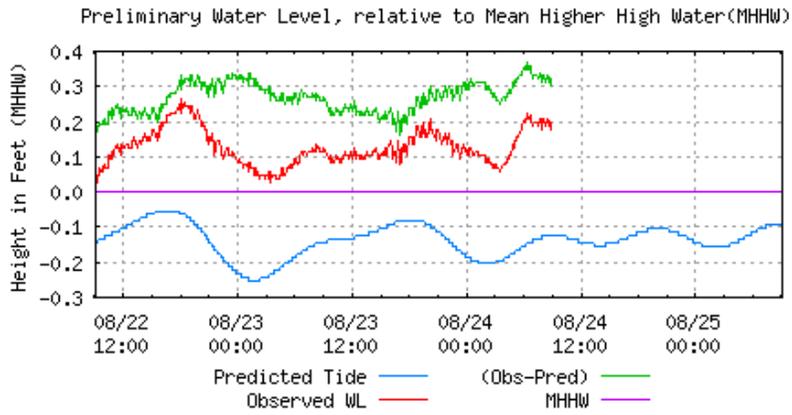
Next complete advisory at 400 AM CDT.

Forecaster Beven

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#),  
[Aransas Wildlife Refuge - Water Level](#), [Aransas Wildlife Refuge - Winds](#),  
[Aransas Wildlife Refuge - Barometric](#), [Port Lavaca - Water Level](#), [Port Lavaca - Winds](#),  
[Port Lavaca - Barometric](#), [Port O'Connor - Water Level](#), [Port O'Connor - Winds](#),  
[Port O'Connor - Barometric](#), [Matagorda City - Water Level](#), [Matagorda City - Winds](#),  
[Matagorda City - Barometric](#), [Sargent - Water Level](#), [Sargent - Winds](#),  
[Sargent - Barometric](#), [USS Lexington - Water Level](#), [USS Lexington - Barometric](#),  
[Port Aransas - Water Level](#), [Port Aransas - Winds](#), [Port Aransas - Barometric](#),  
[Bob Hall Pier, Corpus Christi - Water Level](#), [Bob Hall Pier, Corpus Christi - Winds](#),  
[Bob Hall Pier, Corpus Christi - Barometric](#),  
[South Padre Island CG Station - Water Level](#), [South Padre Island CG Station - Winds](#),  
[South Padre Island CG Station - Barometric](#), [Freeport - Water Level](#), [Freeport - Winds](#),  
[Freeport - Barometric](#), [San Luis Pass - Water Level](#), [San Luis Pass - Winds](#),  
[Galveston Bay Entrance, North Jetty - Water Level](#),  
[Galveston Bay Entrance, North Jetty - Winds](#),  
[Galveston Bay Entrance, North Jetty - Barometric](#),  
[Texas Point, Sabine Pass - Water Level](#), [Texas Point, Sabine Pass - Winds](#),  
[Texas Point, Sabine Pass - Barometric](#), [Calcasieu Pass - Water Level](#),  
[Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#)

NOAA/NOS/CO-OPS [8774770 Rockport, TX](#)



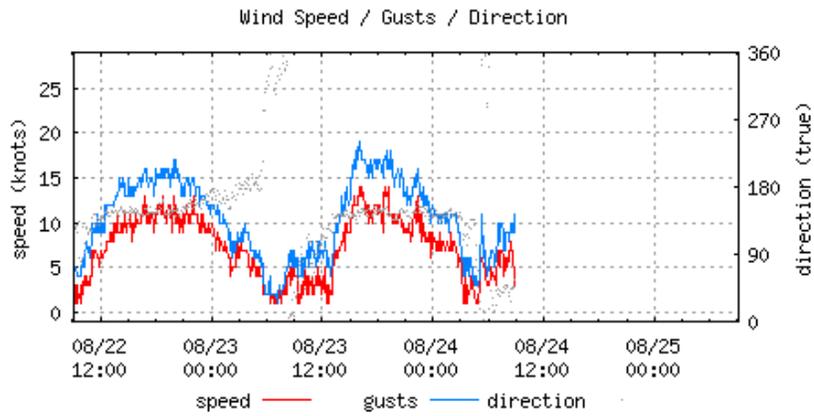
Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to [MHHW](#)

Observed: 1.11 ft. Predicted: -0.11 ft. Residual: 1.22 ft.

Historical Maximum Water Level: Aug 10 1980, 3.73 ft.

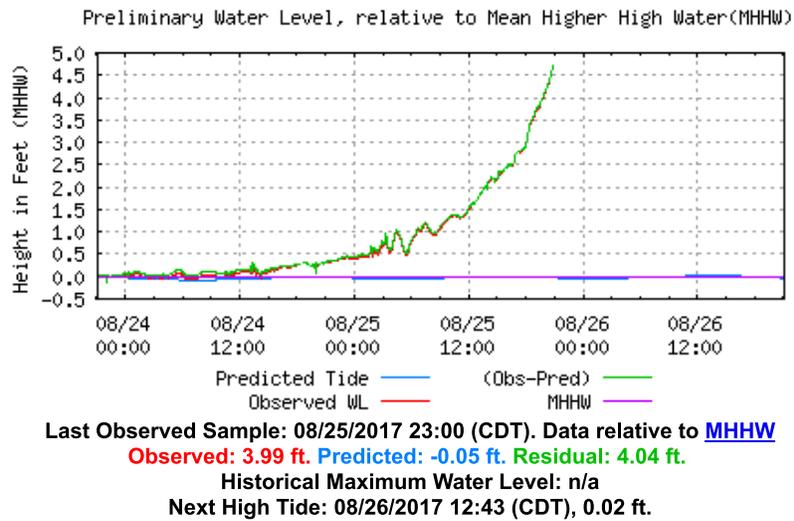
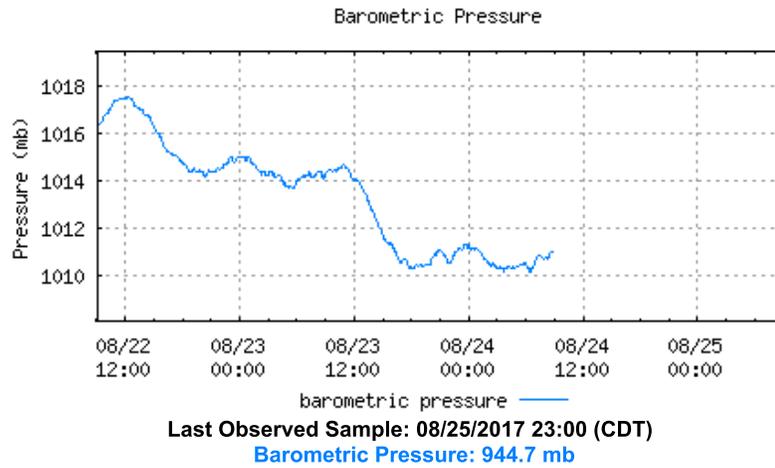
Next High Tide: 08/26/2017 08:29 (CDT), -0.06 ft.

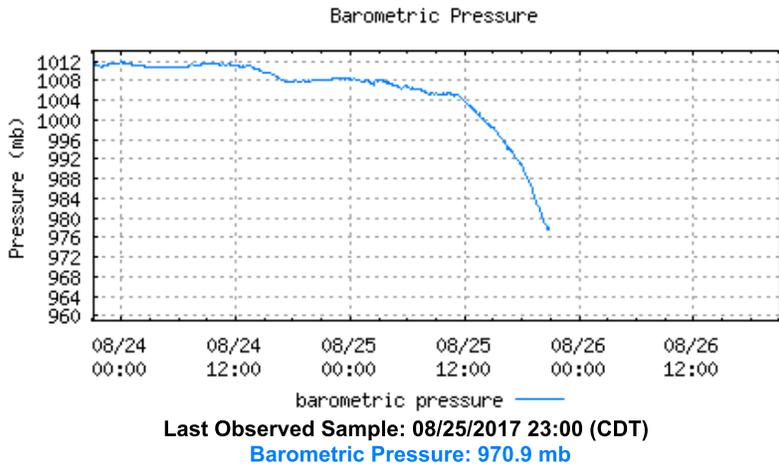
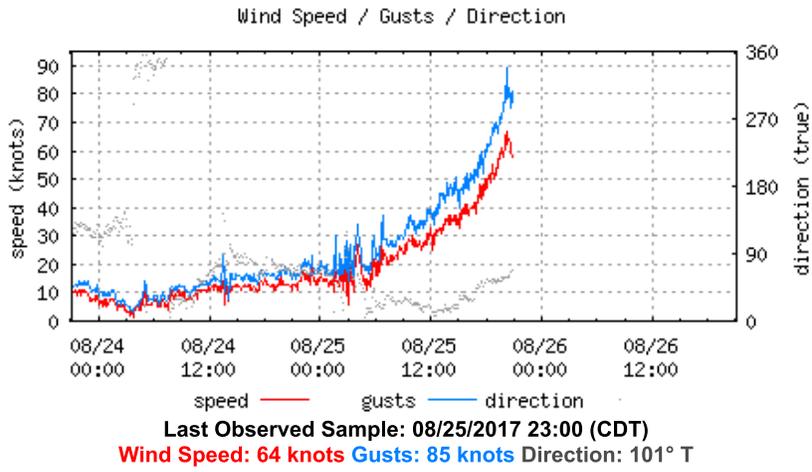
NOAA/NOS/CO-OPS [8774770 Rockport, TX](#)



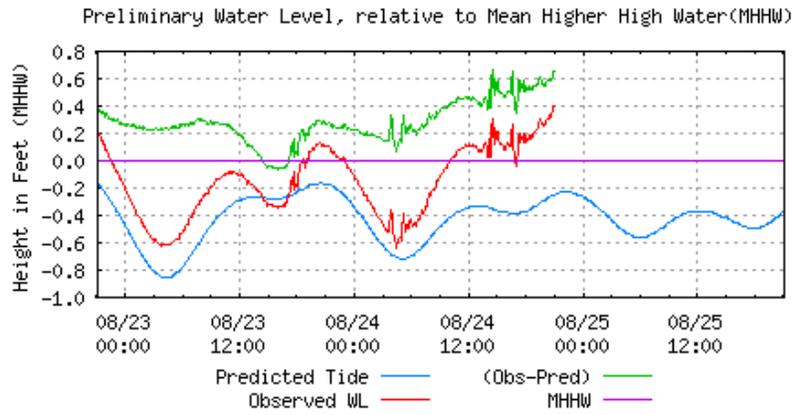
Last Observed Sample: 08/25/2017 23:00 (CDT)

Wind Speed: 0 knots Gusts: 0 knots Direction: 118° T





NOAA/NOS/CO-OPS [8773259 Port Lavaca, TX](#)



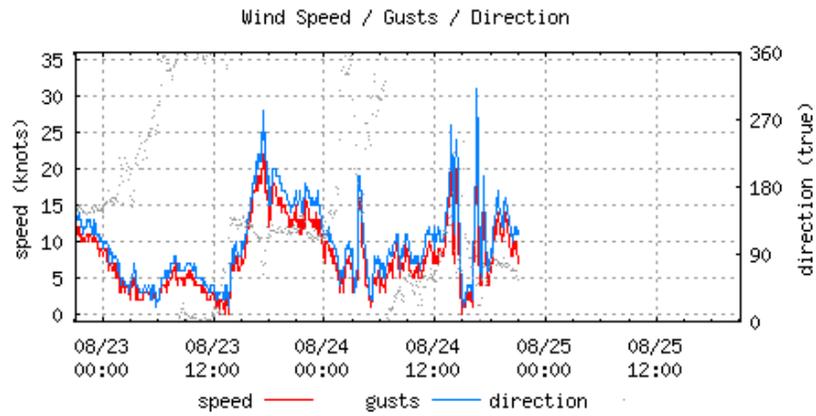
Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to [MHHW](#)

**Observed: 5.20 ft. Predicted: -0.29 ft. Residual: 5.49 ft.**

Historical Maximum Water Level: n/a

Next High Tide: 08/26/2017 00:47 (CDT), -0.27 ft.

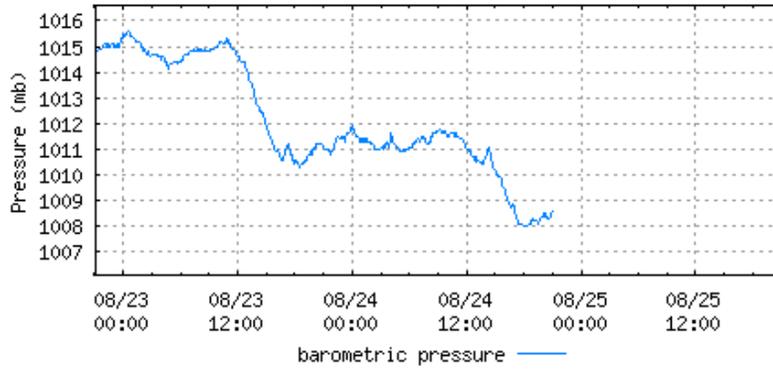
NOAA/NOS/CO-OPS [8773259 Port Lavaca, TX](#)



Last Observed Sample: 08/25/2017 23:00 (CDT)

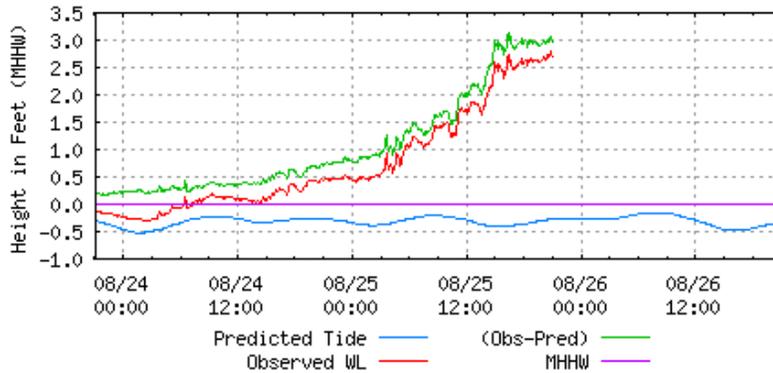
**Wind Speed: 39 knots Gusts: 56 knots Direction: 90° T**

Barometric Pressure

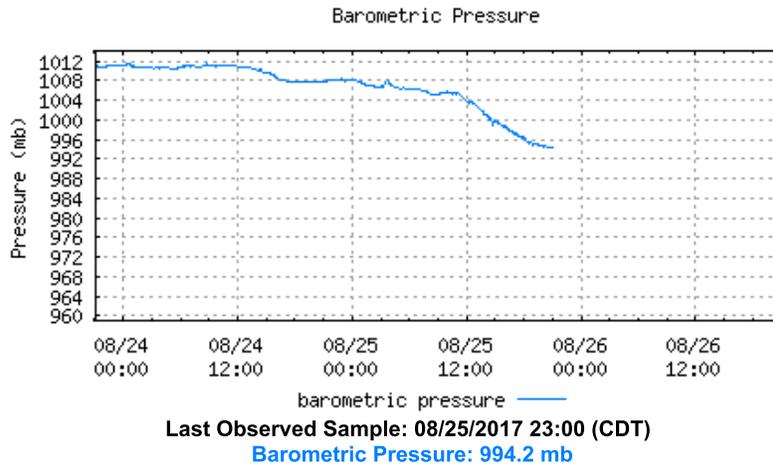
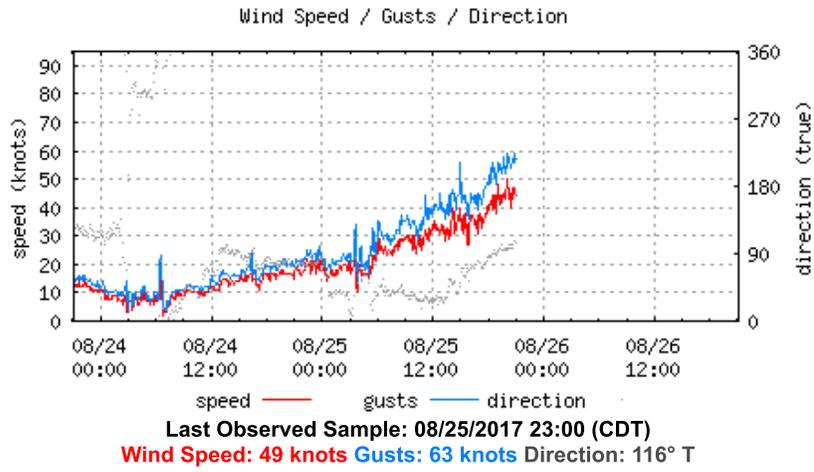


Last Observed Sample: 08/25/2017 23:00 (CDT)  
Barometric Pressure: 995.8 mb

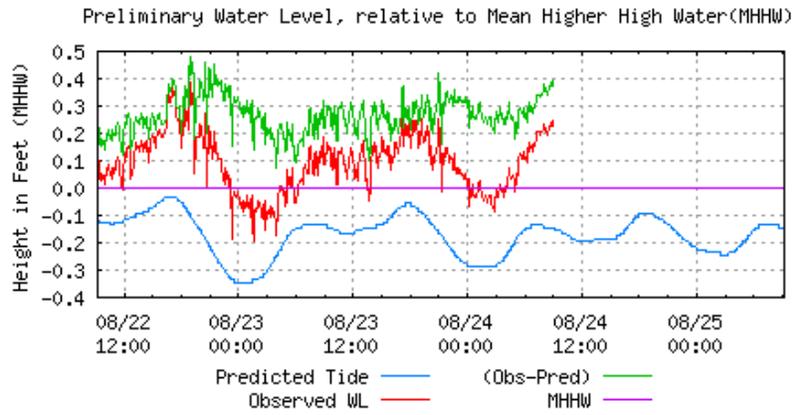
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to **MHHW**  
**Observed: 2.38 ft. Predicted: -0.26 ft. Residual: 2.64 ft.**  
Historical Maximum Water Level: n/a  
Next High Tide: 08/26/2017 00:10 (CDT), -0.25 ft.



NOAA/NOS/CO-OPS [8773146 Matagorda City, TX](#)



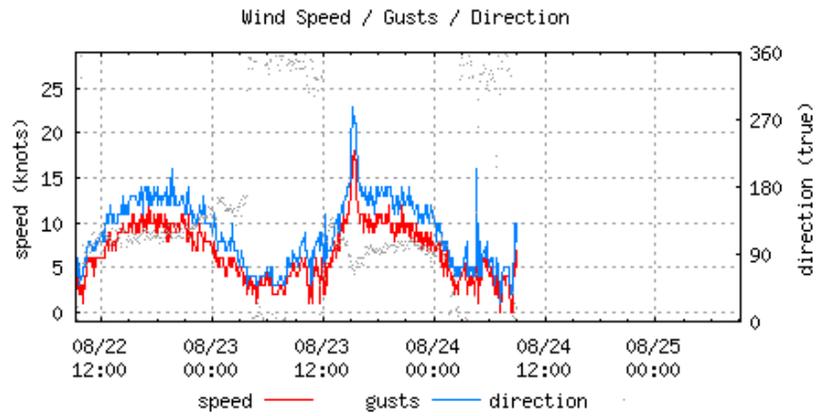
Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to [MHHW](#)

Observed: 2.41 ft. Predicted: -0.15 ft. Residual: 2.56 ft.

Historical Maximum Water Level: n/a

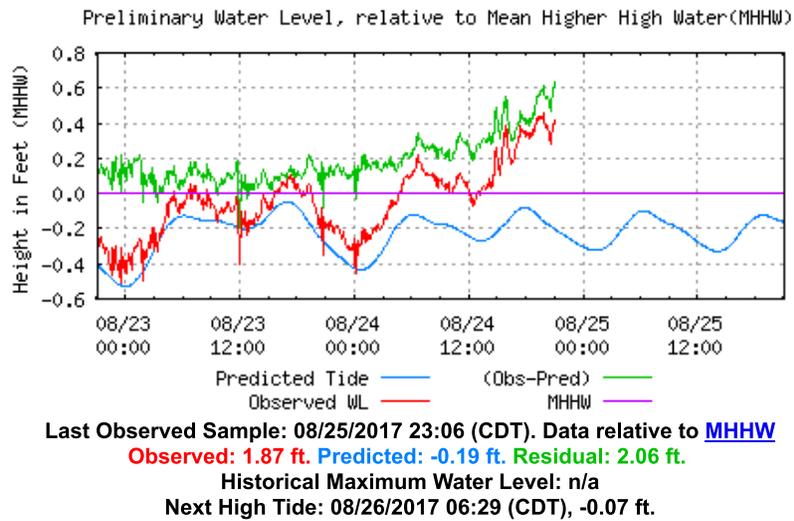
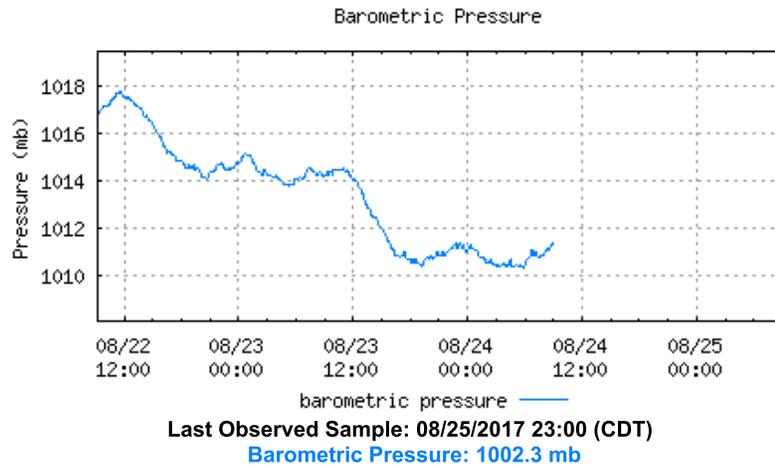
Next High Tide: 08/26/2017 08:00 (CDT), -0.12 ft.

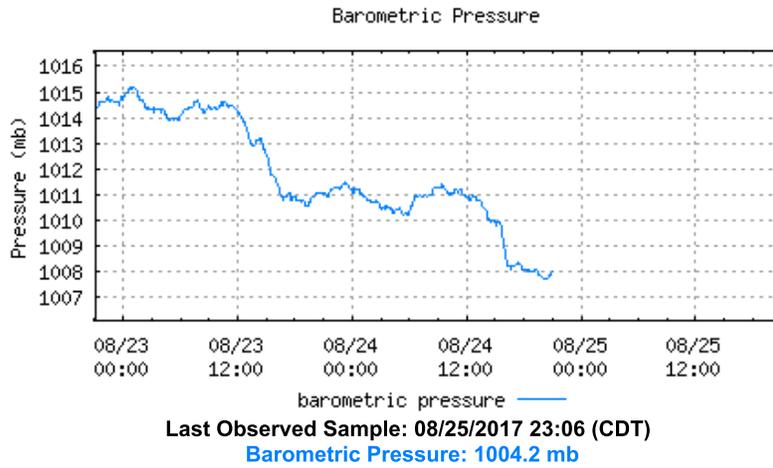
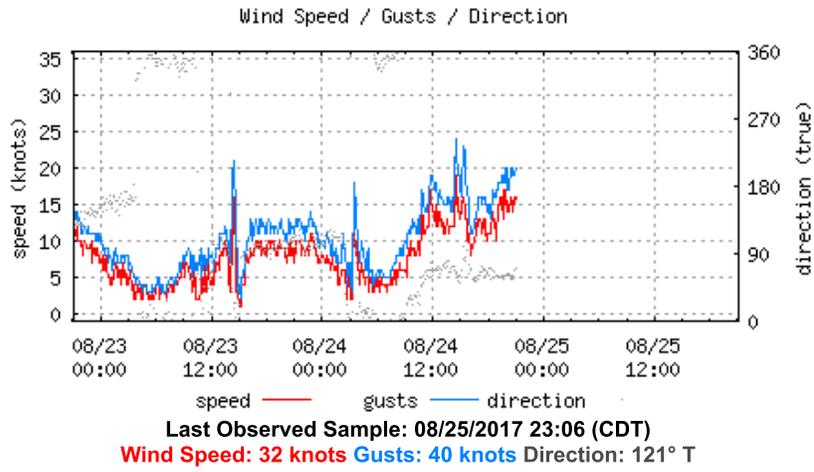
NOAA/NOS/CO-OPS [8773146 Matagorda City, TX](#)



Last Observed Sample: 08/25/2017 23:00 (CDT)

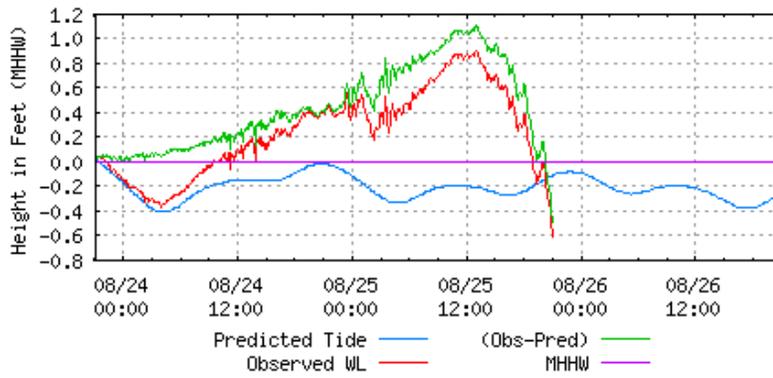
Wind Speed: 32 knots Gusts: 42 knots Direction: 105° T





NOAA/NOS/CO-OPS [8775296 USS Lexington, TX](#)

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/25/2017 23:06 (CDT). Data relative to [MHHW](#)

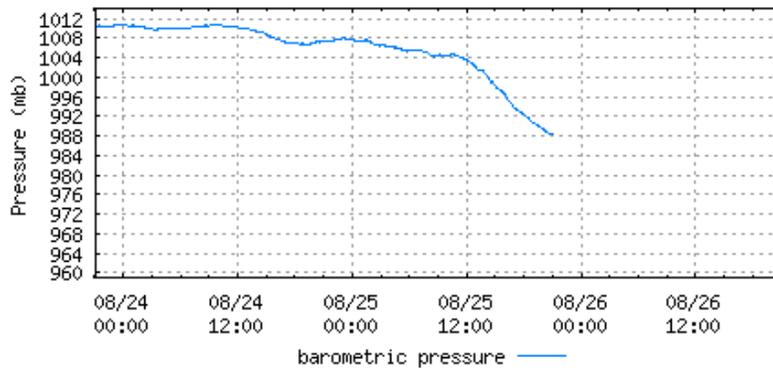
Observed: -0.91 ft. Predicted: -0.07 ft. Residual: -0.84 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/26/2017 09:58 (CDT), -0.19 ft.

NOAA/NOS/CO-OPS [8775296 USS Lexington, TX](#)

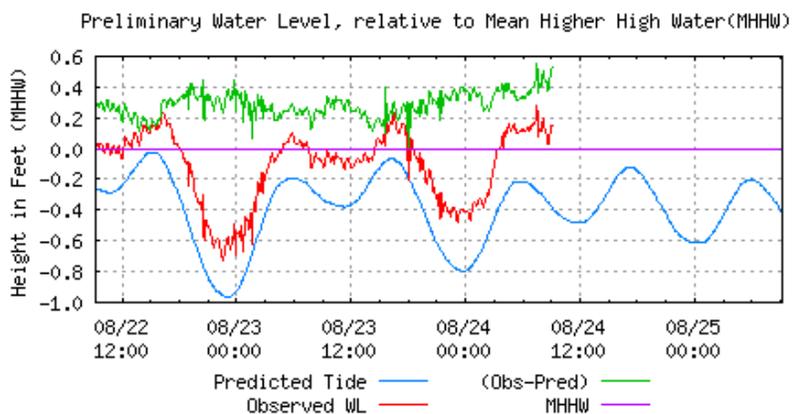
Barometric Pressure



Last Observed Sample: 08/25/2017 23:06 (CDT)

Barometric Pressure: 988.3 mb

NOAA/NOS/CO-OPS [8775237 Port Aransas, TX](#)



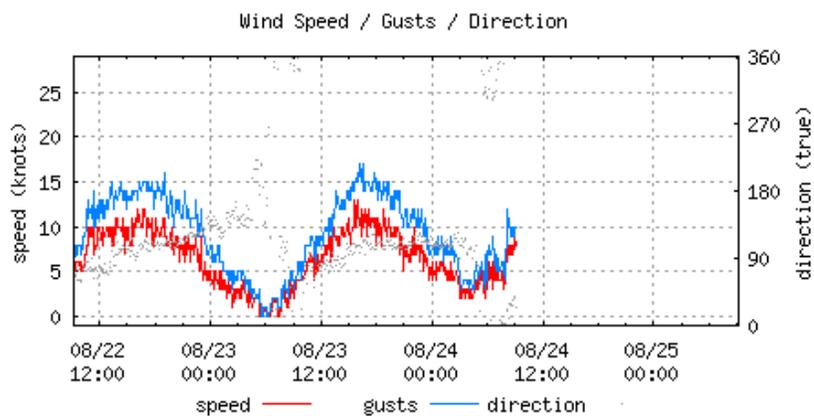
Last Observed Sample: 08/25/2017 23:06 (CDT). Data relative to **MHHW**

**Observed: 3.32 ft. Predicted: -0.43 ft. Residual: 3.75 ft.**

Historical Maximum Water Level: n/a

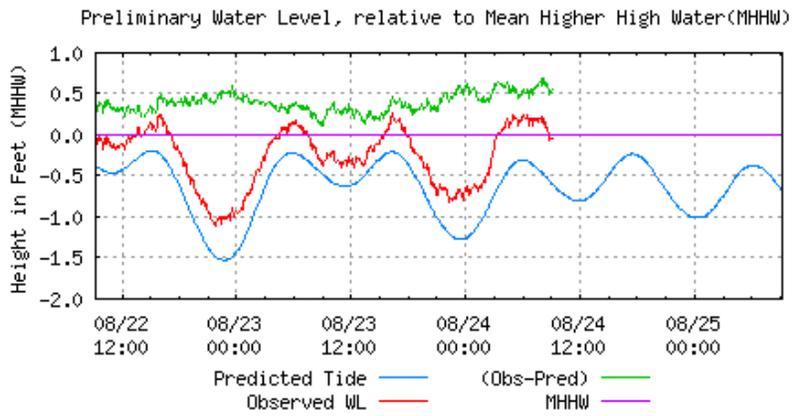
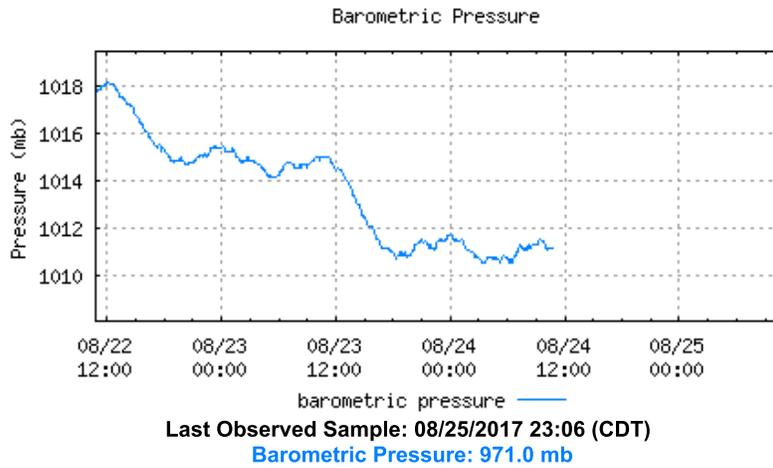
Next High Tide: 08/26/2017 06:13 (CDT), -0.17 ft.

NOAA/NOS/CO-OPS [8775237 Port Aransas, TX](#)



Last Observed Sample: 08/25/2017 23:06 (CDT)

**Wind Speed: 19 knots Gusts: 23 knots Direction: 288° T**

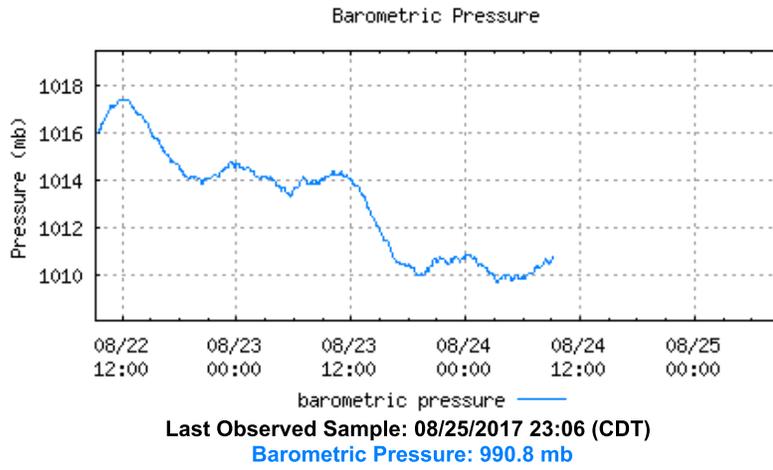
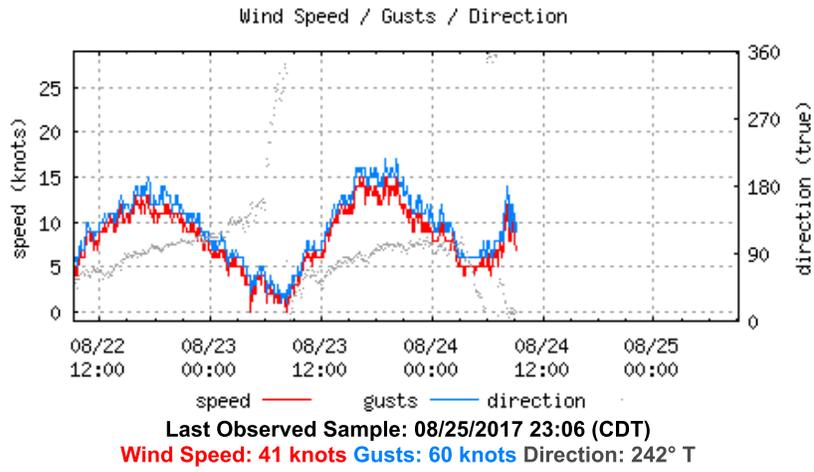


**Last Observed Sample: 08/25/2017 23:06 (CDT). Data relative to MHHW**

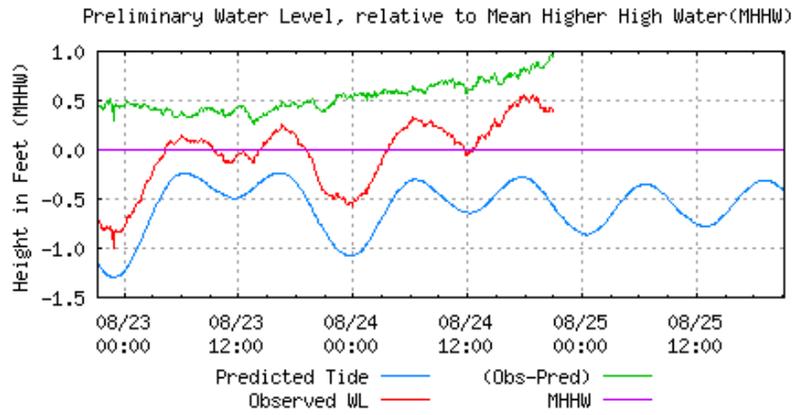
**Observed: 0.26 ft. Predicted: -0.66 ft. Residual: 0.92 ft.**

**Historical Maximum Water Level: Sep 13 2008, 3.98 ft.**

**Next High Tide: 08/26/2017 06:20 (CDT), -0.39 ft.**



NOAA/NOS/CO-OPS [8779748 South Padre Island CG Station, TX](#)



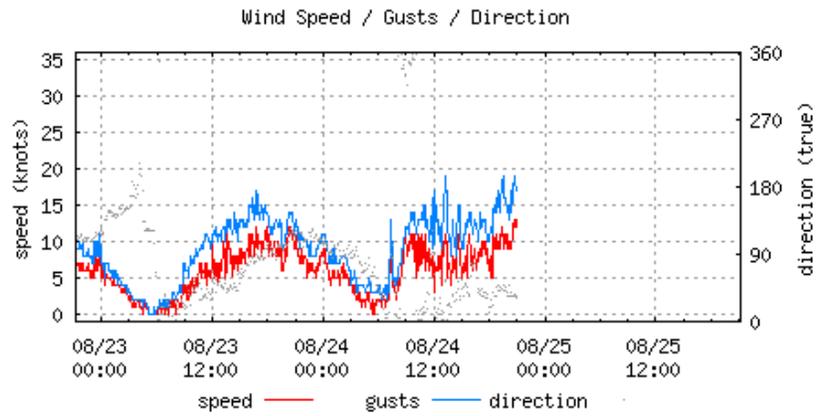
Last Observed Sample: 08/25/2017 23:06 (CDT). Data relative to [MHHW](#)

**Observed: 1.16 ft. Predicted: -0.56 ft. Residual: 1.72 ft.**

Historical Maximum Water Level: n/a

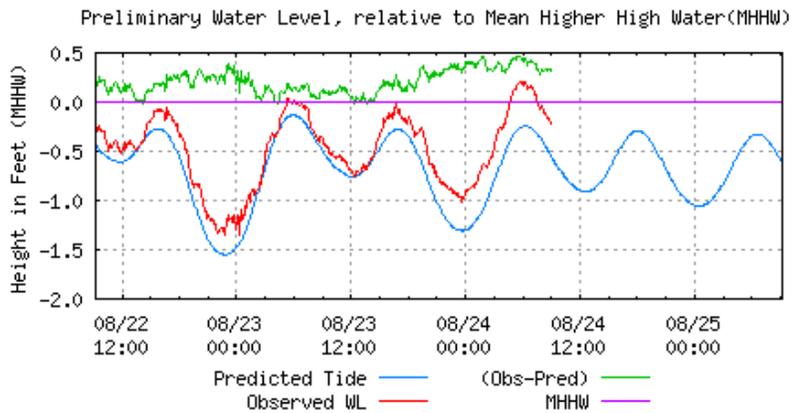
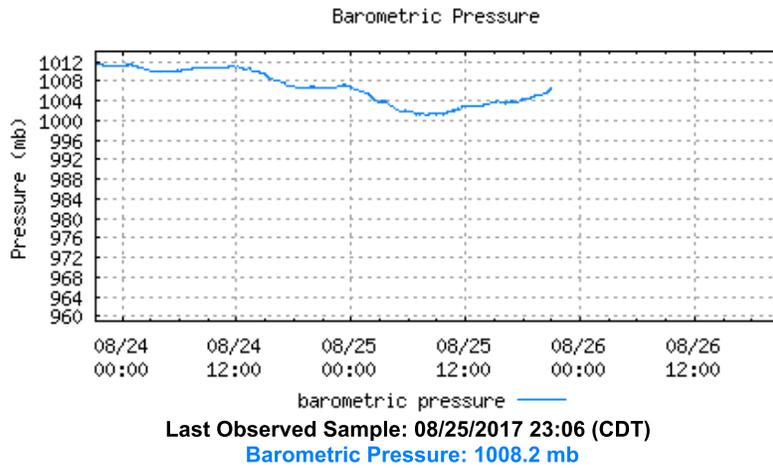
Next High Tide: 08/26/2017 06:40 (CDT), -0.36 ft.

NOAA/NOS/CO-OPS [8779748 South Padre Island CG Station, TX](#)

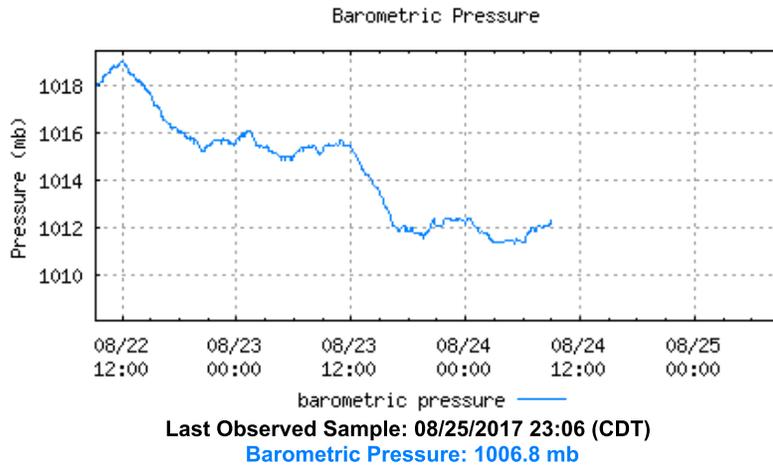
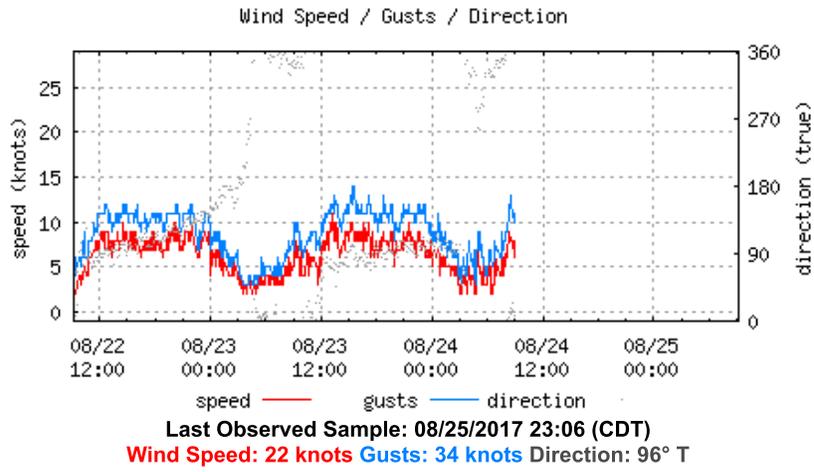


Last Observed Sample: 08/25/2017 23:06 (CDT)

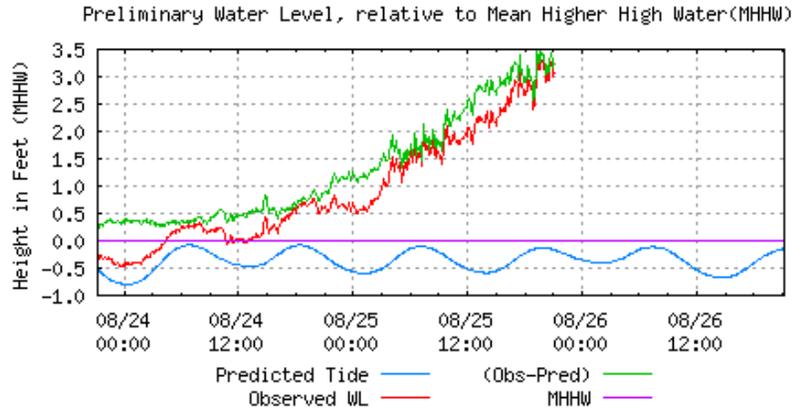
**Wind Speed: 13 knots Gusts: 15 knots Direction: 226° T**



**Last Observed Sample: 08/25/2017 23:06 (CDT). Data relative to MHHW**  
**Observed: 1.55 ft. Predicted: -0.69 ft. Residual: 2.24 ft.**  
**Historical Maximum Water Level: Sep 12 2008, 5.58 ft.**  
**Next High Tide: 08/26/2017 06:48 (CDT), -0.40 ft.**



NOAA/NOS/CO-OPS [8771972 San Luis Pass, TX](#)



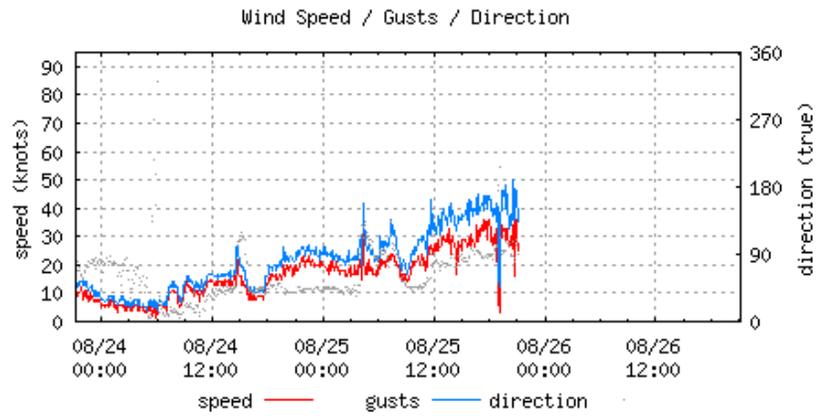
Last Observed Sample: 08/25/2017 23:12 (CDT). Data relative to [MHHW](#)

Observed: 2.70 ft. Predicted: -0.30 ft. Residual: 3.00 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/26/2017 07:24 (CDT), -0.11 ft.

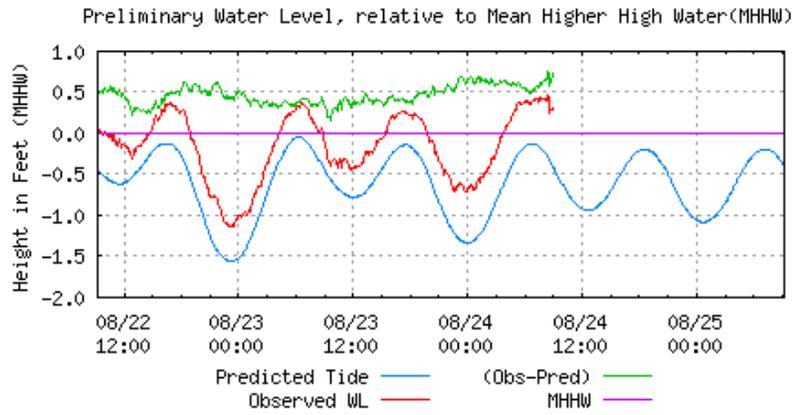
NOAA/NOS/CO-OPS [8771972 San Luis Pass, TX](#)



Last Observed Sample: 08/25/2017 23:12 (CDT)

Wind Speed: 26 knots Gusts: 39 knots Direction: 113° T

NOAA/NOS/CO-OPS [8771341 Galveston Bay Entrance, North Jetty, TX](#)



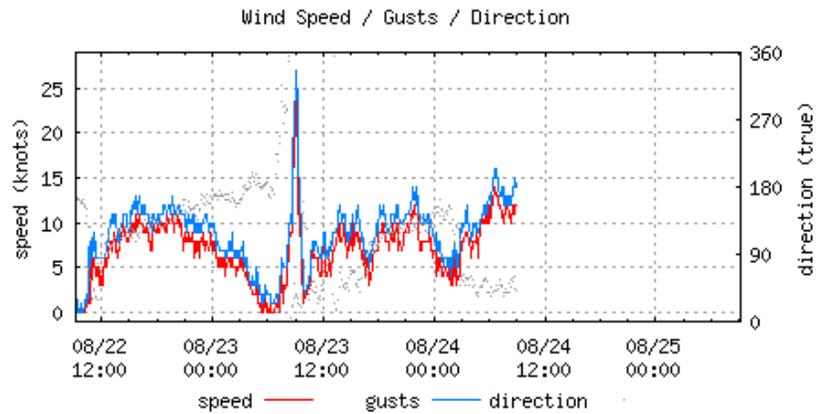
Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to [MHHW](#)

**Observed: 0.97 ft. Predicted: -0.61 ft. Residual: 1.58 ft.**

Historical Maximum Water Level: Jul 15 2003, 4.08 ft.

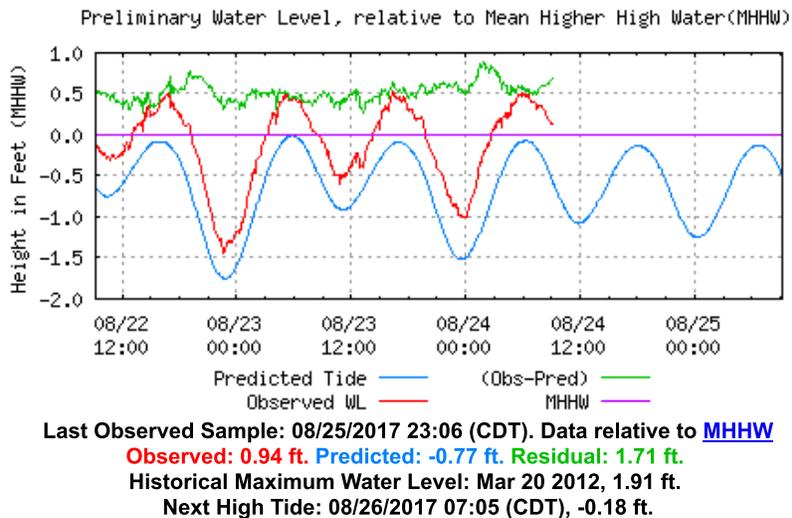
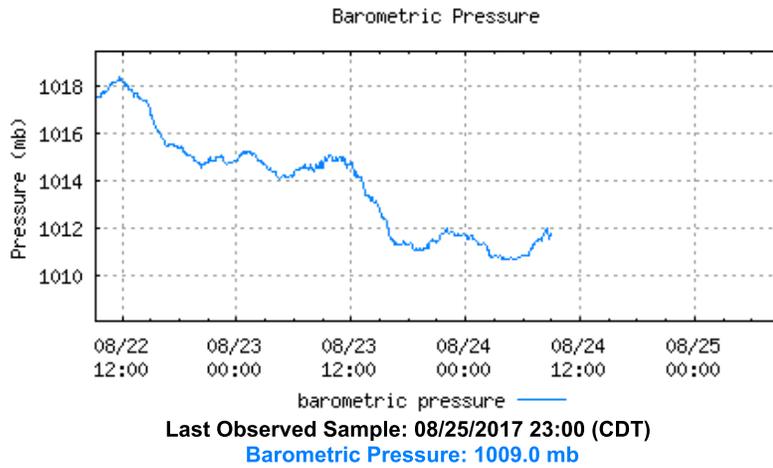
Next High Tide: 08/26/2017 07:35 (CDT), -0.25 ft.

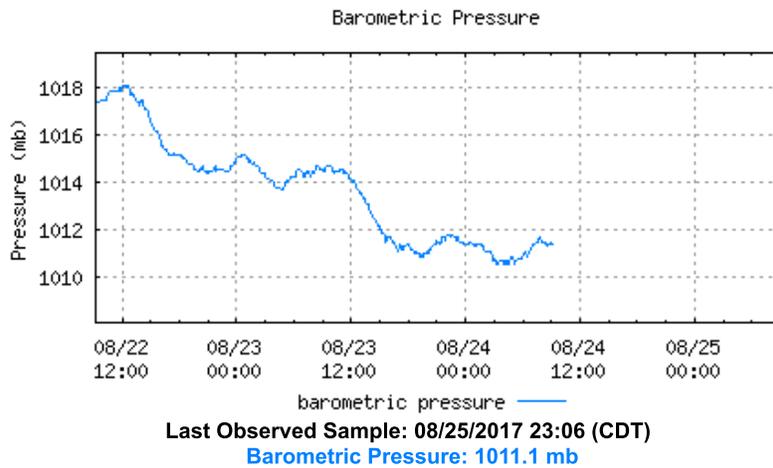
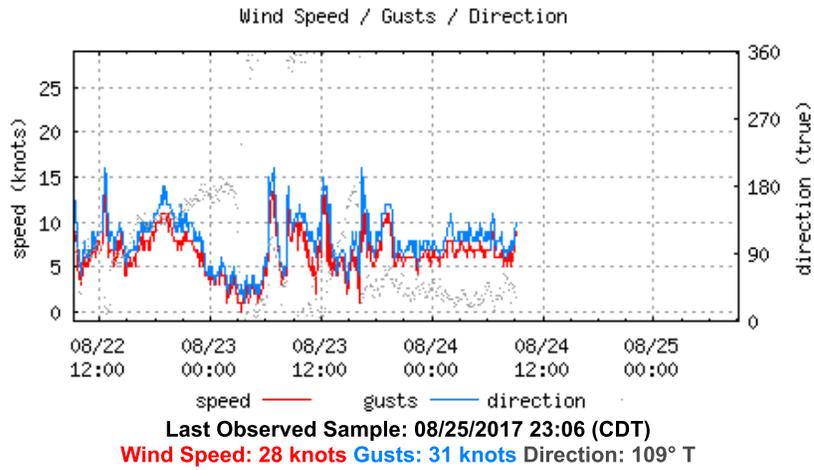
NOAA/NOS/CO-OPS [8771341 Galveston Bay Entrance, North Jetty, TX](#)



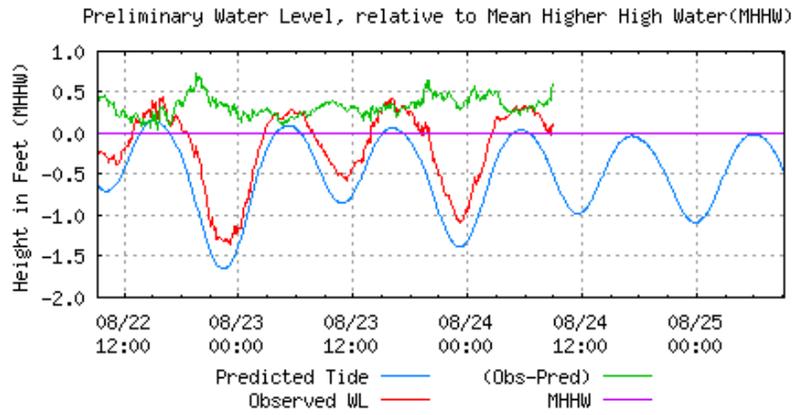
Last Observed Sample: 08/25/2017 23:00 (CDT)

**Wind Speed: 37 knots Gusts: 45 knots Direction: 90° T**





NOAA/NOS/CO-OPS [8768094 Calcasieu Pass, LA](#)



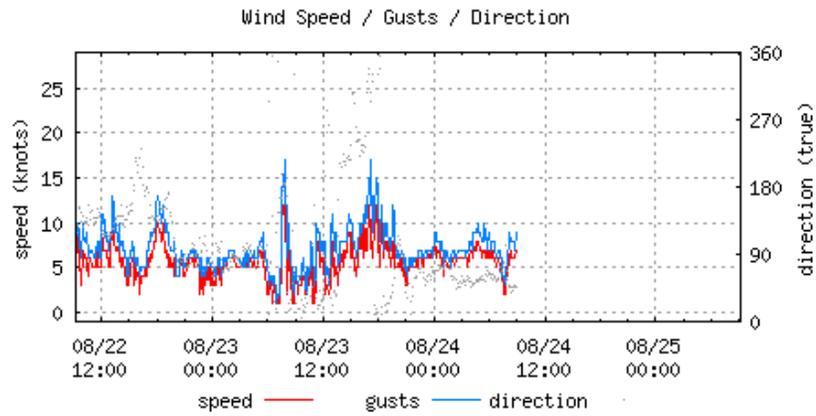
Last Observed Sample: 08/25/2017 23:00 (CDT). Data relative to [MHHW](#)

**Observed: 0.54 ft. Predicted: -0.65 ft. Residual: 1.19 ft.**

**Historical Maximum Water Level: Sep 13 2008, 9.96 ft.**

**Next High Tide: 08/26/2017 06:25 (CDT), -0.06 ft.**

NOAA/NOS/CO-OPS [8768094 Calcasieu Pass, LA](#)



Last Observed Sample: 08/25/2017 23:00 (CDT)

**Wind Speed: 22 knots Gusts: 31 knots Direction: 117° T**

Barometric Pressure



barometric pressure —

**Last Observed Sample: 08/25/2017 23:00 (CDT)**

**Barometric Pressure: 1012.0 mb**

## Latest Water Level Observations on [MHHW](#)

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8774770	Rockport, TX	08/25/2017 23:00 (CDT)	1.11 ft	-0.11 ft	1.22 ft	1.29 ft
8774230	Aransas Wildlife Refuge, TX	08/25/2017 23:00 (CDT)	3.99 ft	-0.05 ft	4.04 ft	4.77 ft
8773259	Port Lavaca, TX	08/25/2017 23:00 (CDT)	5.20 ft	-0.29 ft	5.49 ft	5.20 ft
8773701	Port O'Connor, TX	08/25/2017 23:00 (CDT)	2.38 ft	-0.26 ft	2.64 ft	2.80 ft
8773146	Matagorda City, TX	08/25/2017 23:00 (CDT)	2.41 ft	-0.15 ft	2.56 ft	2.45 ft
8772985	Sargent, TX	08/25/2017 23:06 (CDT)	1.87 ft	-0.19 ft	2.06 ft	2.10 ft
8775296	USS Lexington, TX	08/25/2017 23:06 (CDT)	-0.91 ft	-0.07 ft	-0.84 ft	0.91 ft
8775237	Port Aransas, TX	08/25/2017 23:06 (CDT)	3.32 ft	-0.43 ft	3.75 ft	5.21 ft
8775870	Bob Hall Pier, Corpus Christi, TX	08/25/2017 23:06 (CDT)	0.26 ft	-0.66 ft	0.92 ft	2.89 ft
8779748	South Padre Island CG Station, TX	08/25/2017 23:06 (CDT)	1.16 ft	-0.56 ft	1.72 ft	1.40 ft
8772447	Freeport, TX	08/25/2017 23:06 (CDT)	1.55 ft	-0.69 ft	2.24 ft	2.52 ft
8771972	San Luis Pass, TX	08/25/2017 23:12 (CDT)	2.70 ft	-0.30 ft	3.00 ft	3.32 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/25/2017 23:00 (CDT)	0.97 ft	-0.61 ft	1.58 ft	1.95 ft
8770822	Texas Point, Sabine Pass, TX	08/25/2017 23:06 (CDT)	0.94 ft	-0.77 ft	1.71 ft	1.50 ft
8768094	Calcasieu Pass, LA	08/25/2017 23:00 (CDT)	0.54 ft	-0.65 ft	1.19 ft	1.19 ft