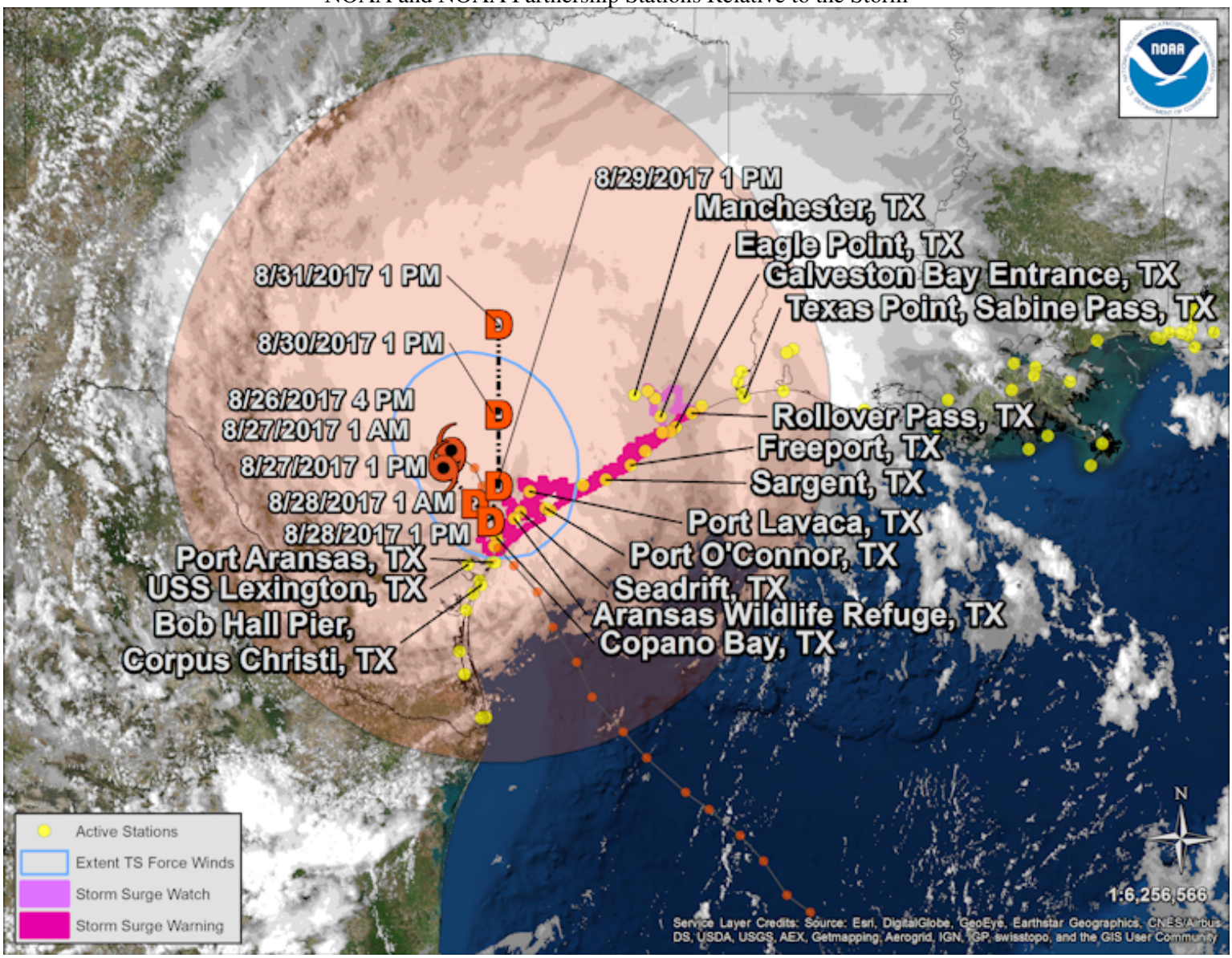
Tropical Storm HARVEY QuickLook
Posted: 17:00 CDT 08/26/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/26/2017 1700 CDT, water levels from Texas to western Louisiana have fallen from peak levels but remain elevated by 1 to 3.5 feet at many locations. Higher water levels remain in upper Matagorda Bay and Galveston Bay. From Aransas Pass south, water levels are within 1 foot of tidal predictions.

Winds continue to weaken as Harvey moves farther inland. However wind speeds at most stations remain 20 to 30 knots with gusts between 30 and 40 kts. Barometric pressure has risen along the coast.

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: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Tropical Storm Harvey Advisory Number 26
NWS National Hurricane Center Miami FL AL092017
400 PM CDT Sat Aug 26 2017

...TROPICAL STORM HARVEY BARELY MOVING...
...TORRENTIAL RAINS WILL CONTINUE...

SUMMARY OF 400 PM CDT...2100 UTC...INFORMATION

LOCATION...29.1N 97.6W
ABOUT 45 MI...70 KM WNW OF VICTORIA TEXAS
ABOUT 60 MI...95 KM ESE OF SAN ANTONIO TEXAS
MAXIMUM SUSTAINED WINDS...65 MPH...100 KM/H
PRESENT MOVEMENT...STATIONARY
MINIMUM CENTRAL PRESSURE...990 MB...29.24 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 Aransas to High Island Texas

A Tropical Storm Warning is in effect for...
* Baffin Bay 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. This is a life-threatening situation.

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 400 PM CDT (2100 UTC), the center of Tropical Storm Harvey was located by Doppler radar near latitude 29.1 North, longitude 97.6 West. Harvey has been nearly stationary and little motion is anticipated during the next few days.

Maximum sustained winds have decreased to near 65 mph (100 km/h) with higher gusts. Additional weakening is expected during the next day or two.

Tropical-storm-force winds extend outward up to 115 miles (185 km) from the center.

The estimated minimum central pressure is 990 mb (29.24 inches).

HAZARDS AFFECTING LAND

RAINFALL: Harvey is expected to produce additional rain accumulations of 15 to 25 inches over the middle and upper Texas coast through Thursday. Isolated storm totals may reach around 40 inches in this area. Elsewhere during the same period, Harvey is expected to produce total rain accumulations of 5 to 15 inches farther south toward the lower Texas coast, farther west toward the Texas Hill Country and southwest and central Louisiana. Rainfall of this magnitude will cause catastrophic and life-threatening flooding. A list of rainfall observations compiled by the NOAA Weather Prediction Center can be found at: www.wpc.ncep.noaa.gov/discussions/nfdscc1.html

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 Sargent...4 to 7 ft
Sargent to High Island including Galveston Bay...2 to 4 ft
High Island to Morgan City...1 to 2 ft

The deepest water will occur along the immediate coast near the area of onshore winds, 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: Tropical storm conditions are occurring in portions of the tropical storm warning area, and 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: A few tornadoes are possible through Monday near the middle and upper Texas coast into far southwest Louisiana.

NEXT ADVISORY

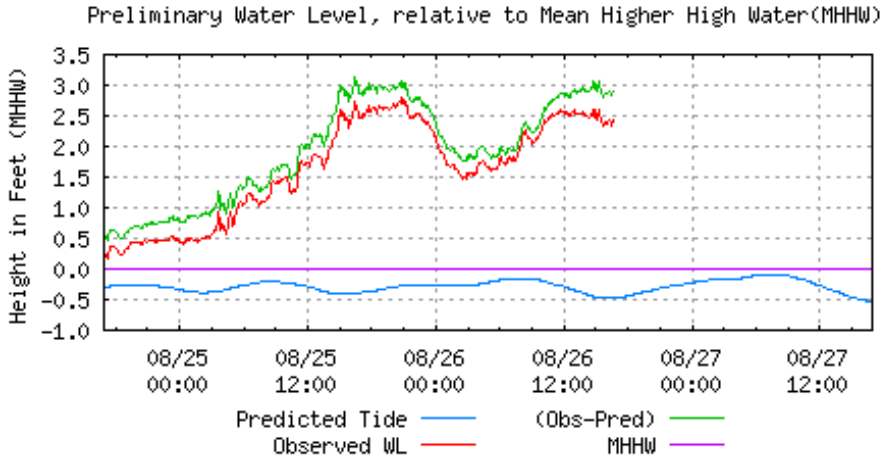
Next intermediate advisory at 700 PM CDT.
Next complete advisory at 1000 PM CDT.

$$
Forecaster Avila

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: Port O'Connor - Water Level, Port O'Connor - Winds, Port Lavaca - Water Level, Port Lavaca - Winds, Port Lavaca - Barometric, Seadrift - Water Level, Seadrift - Winds, Seadrift - Barometric, Sargent - Water Level, Sargent - Winds, Freeport - Water Level, Freeport - Winds, Galveston Bay Entrance, North Jetty - Water Level, Galveston Bay Entrance, North Jetty - Winds, Eagle Point - Water Level, Eagle Point - Winds, Manchester - Water Level, Manchester - Winds, Rollover Pass - Water Level, Rollover Pass - Winds, Texas Point, Sabine Pass - Water Level, Texas Point, Sabine Pass - Winds, Copano Bay - Water Level, Copano Bay - Winds, Aransas Wildlife Refuge - Water Level, Aransas Wildlife Refuge - Winds, Port Aransas - Water Level, Port Aransas - Barometric, USS Lexington - Water Level, Bob Hall Pier, Corpus Christi - Water Level

NOAA/NOS/CO-OPS 8773701 Port O'Connor, TX



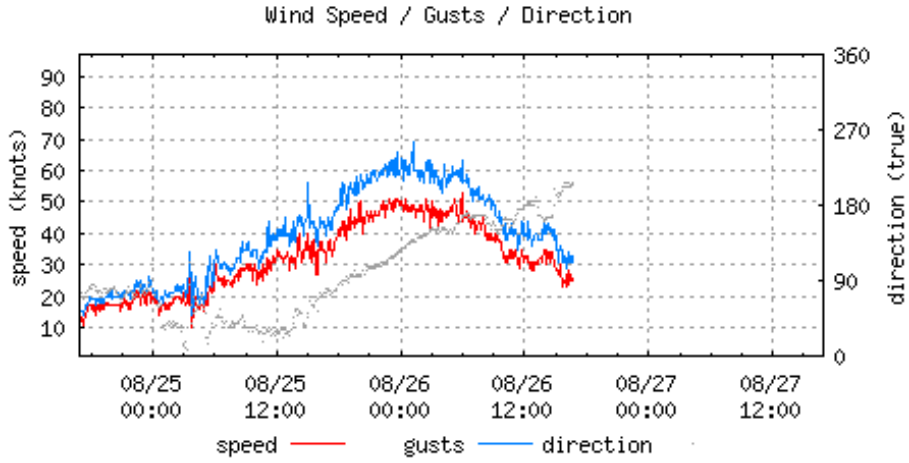
Last Observed Sample: n/a. Data relative to MHHW

Observed: n/a Predicted: n/a Residual: n/a

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 12:26 (UTC), -0.09 ft.

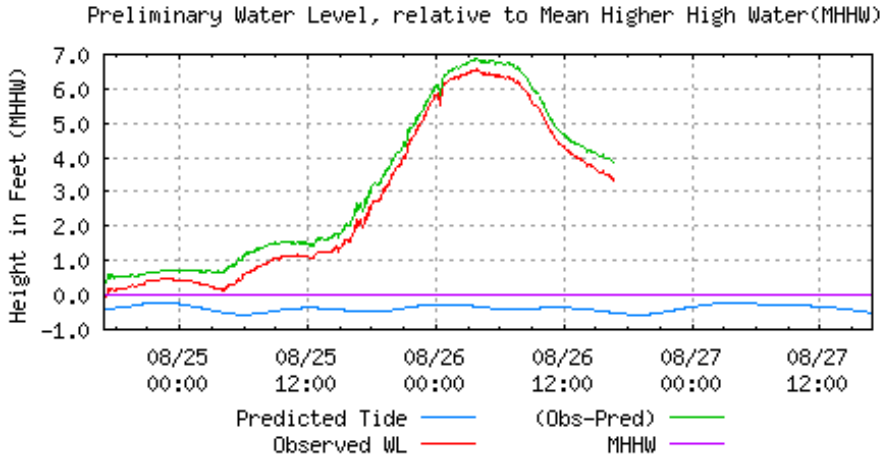
NOAA/NOS/CO-OPS 8773701 Port O'Connor, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 25 knots Gusts: 31 knots Direction: 204° T

NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



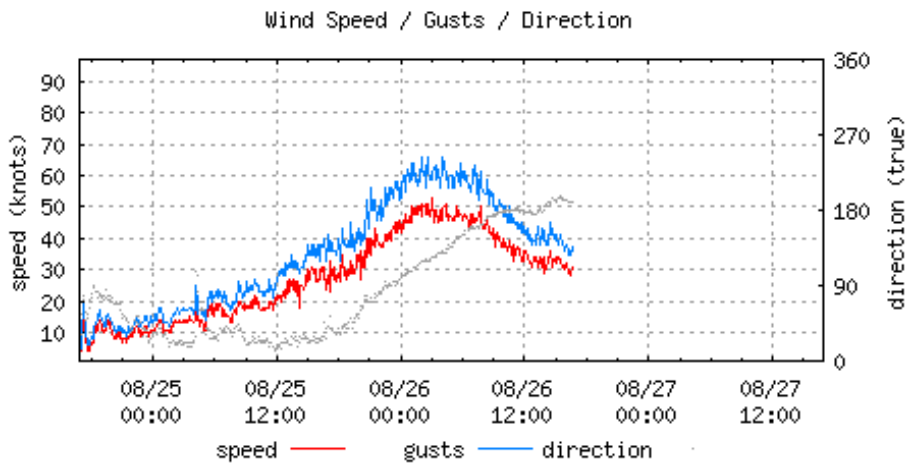
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 3.36 ft. Predicted: -0.52 ft. Residual: 3.88 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 04:00 (CDT), -0.23 ft.

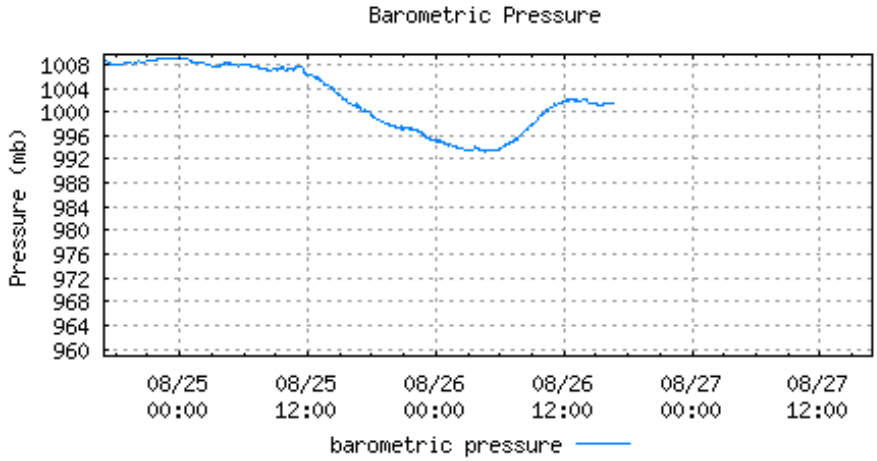
NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 29 knots Gusts: 35 knots Direction: 188° T

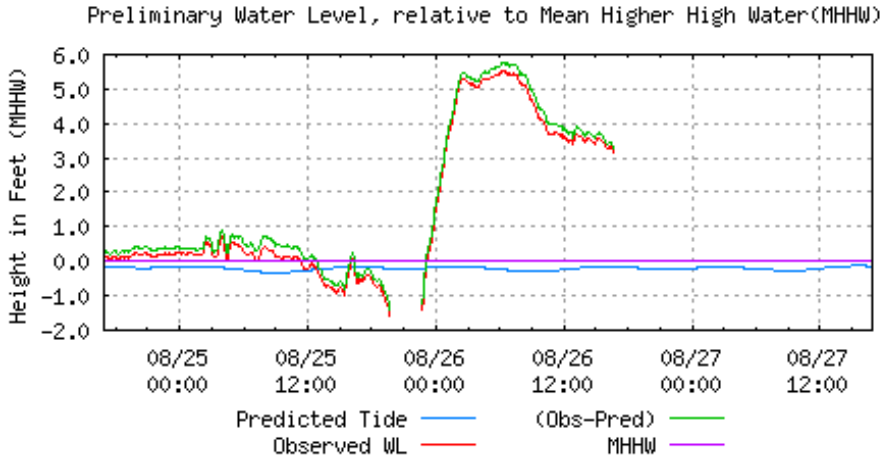
NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Barometric Pressure: 1001.5 mb

NOAA/NOS/CO-OPS 8773037 Seadrift, TX



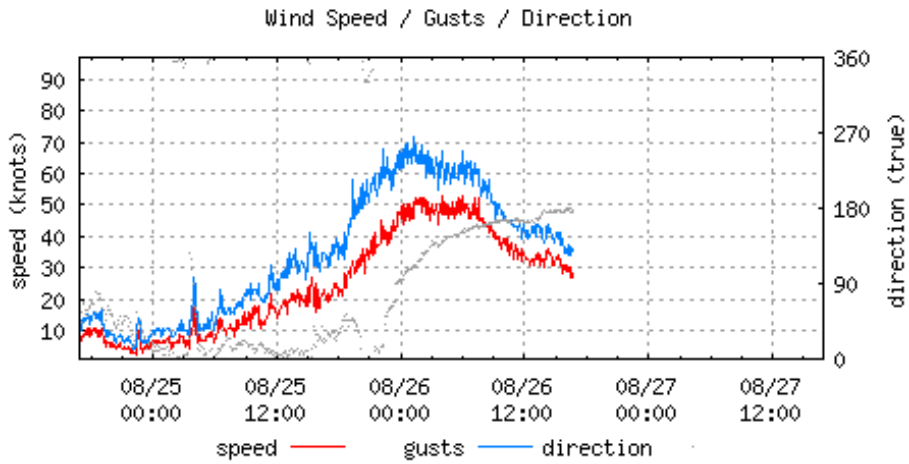
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 3.16 ft. Predicted: -0.15 ft. Residual: 3.31 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 02:37 (CDT), -0.17 ft.

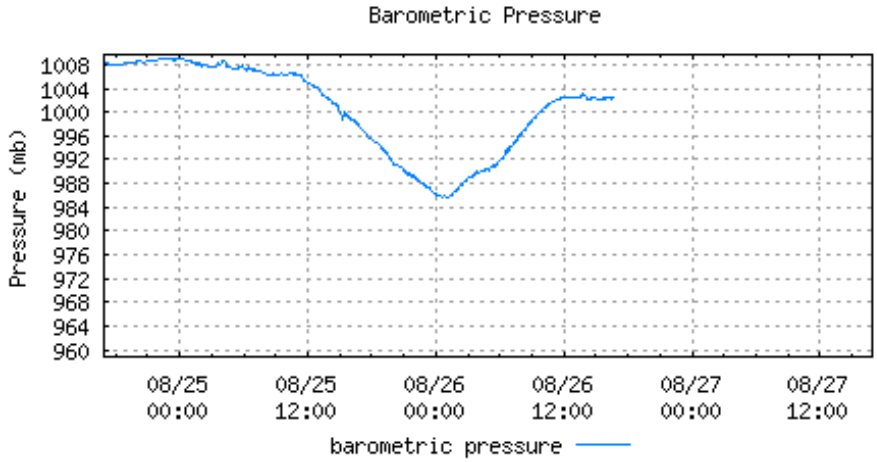
NOAA/NOS/CO-OPS 8773037 Seadrift, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 28 knots Gusts: 33 knots Direction: 174° T

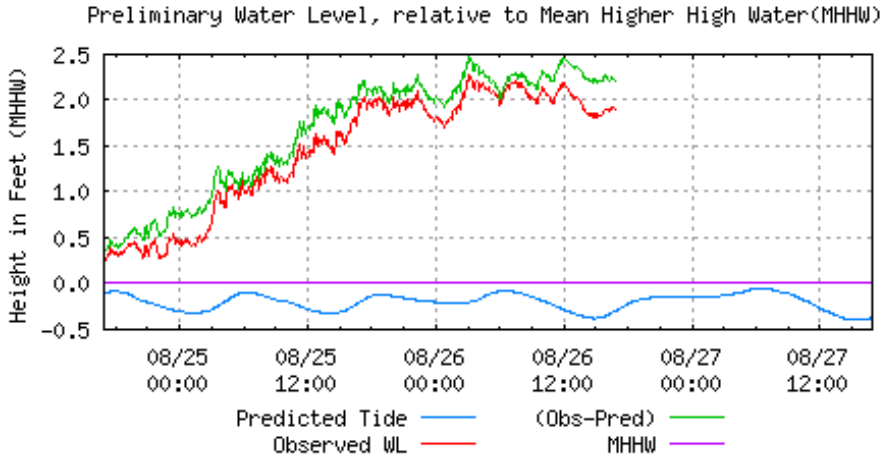
NOAA/NOS/CO-OPS 8773037 Seadrift, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Barometric Pressure: 1002.5 mb

NOAA/NOS/CO-OPS 8772985 Sargent, TX



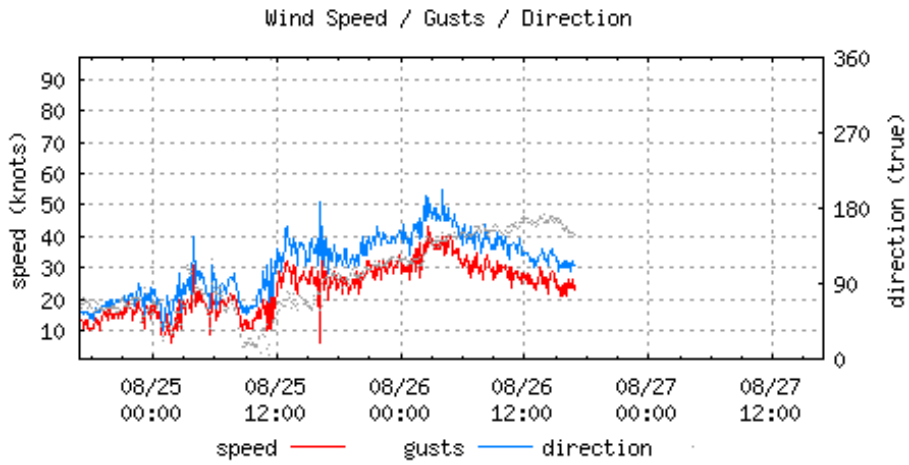
Last Observed Sample: 08/26/2017 16:54 (CDT). Data relative to MHHW

Observed: 1.91 ft. Predicted: -0.29 ft. Residual: 2.20 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 06:30 (CDT), -0.05 ft.

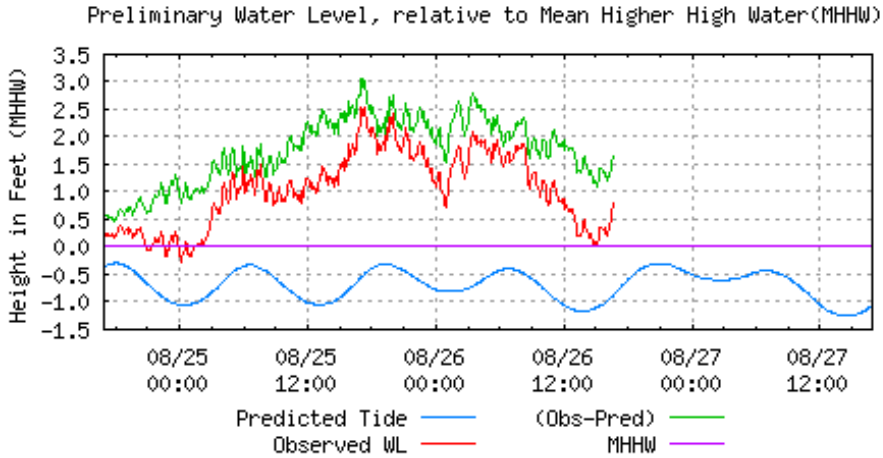
NOAA/NOS/CO-OPS 8772985 Sargent, TX



Last Observed Sample: 08/26/2017 16:54 (CDT)

Wind Speed: 23 knots Gusts: 32 knots Direction: 148° T

NOAA/NOS/CO-OPS 8772447 Freeport, TX



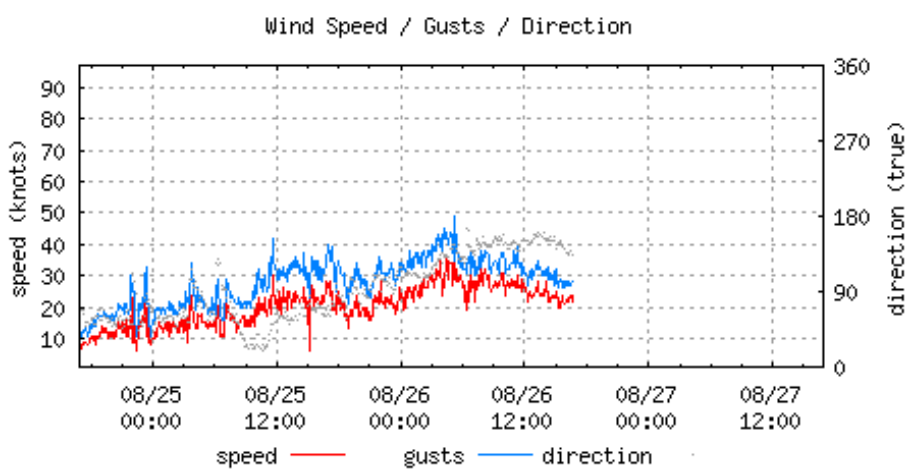
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 0.82 ft. Predicted: -0.85 ft. Residual: 1.67 ft.

Historical Maximum Water Level: Sep 12 2008, 5.58 ft.

Next High Tide: 08/26/2017 20:57 (CDT), -0.31 ft.

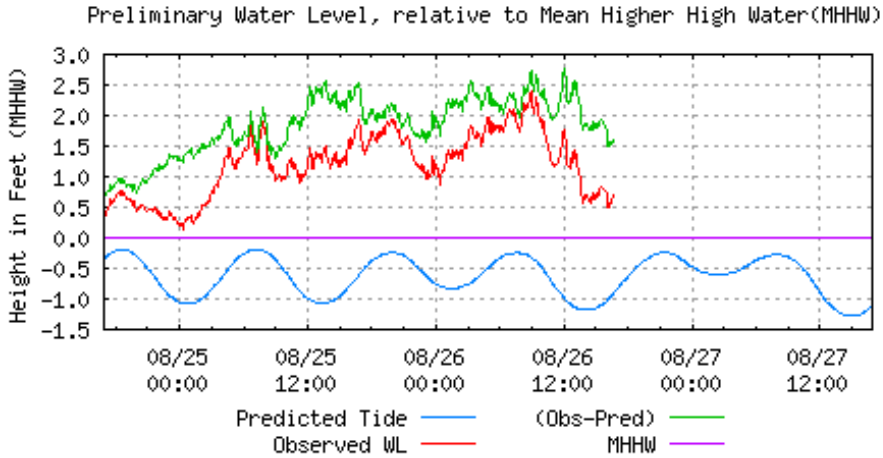
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 25 knots Gusts: 29 knots Direction: 132° T

NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



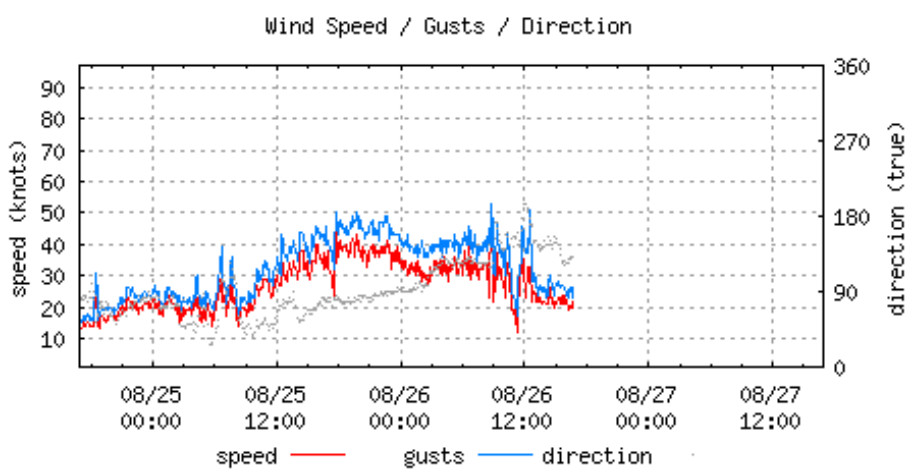
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 0.75 ft. Predicted: -0.88 ft. Residual: 1.63 ft.

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

Next High Tide: 08/26/2017 21:25 (CDT), -0.24 ft.

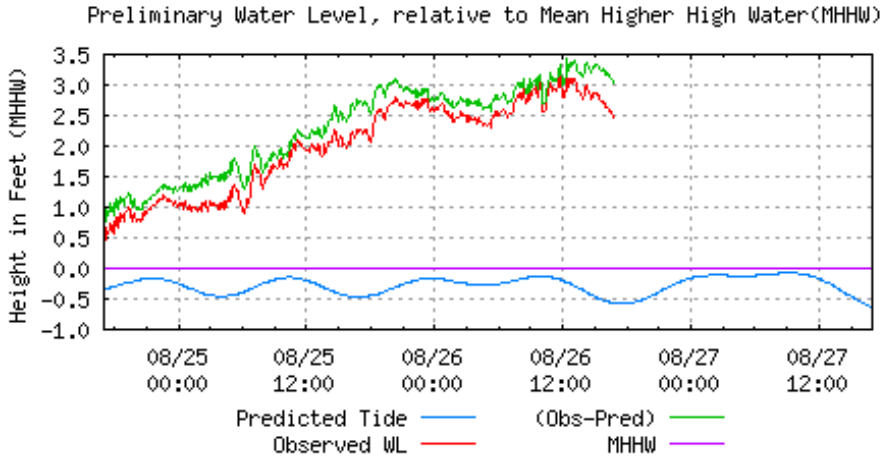
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 22 knots Gusts: 25 knots Direction: 123° T

NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



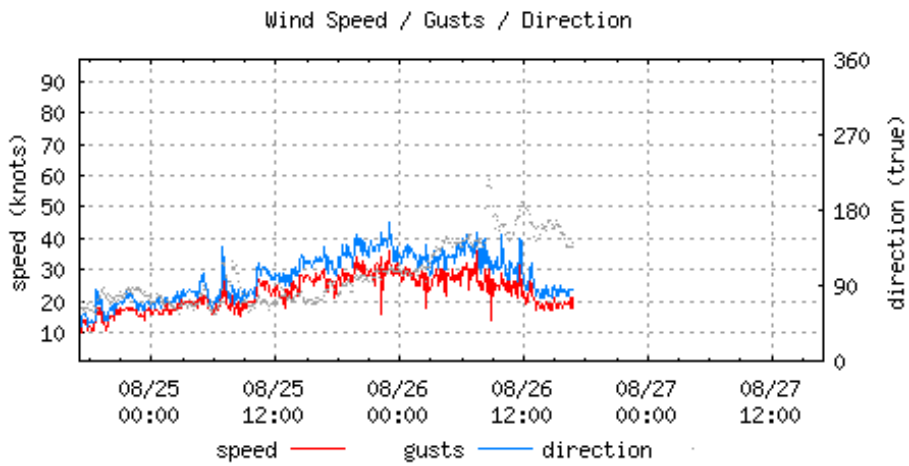
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 2.46 ft. Predicted: -0.57 ft. Residual: 3.03 ft.

Historical Maximum Water Level: Sep 13 2008, 10.76 ft.

Next High Tide: 08/27/2017 02:25 (CDT), -0.11 ft.

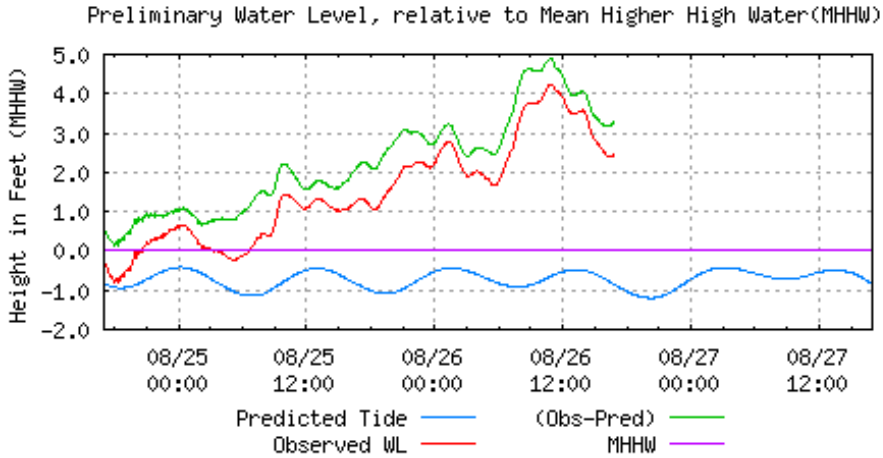
NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 18 knots Gusts: 24 knots Direction: 140° T

NOAA/NOS/CO-OPS 8770777 Manchester, TX



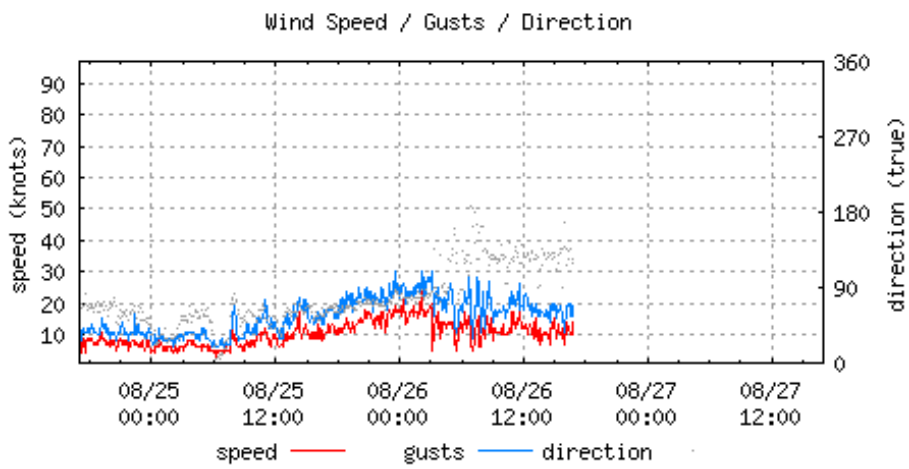
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 2.44 ft. Predicted: -0.85 ft. Residual: 3.29 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 03:08 (CDT), -0.42 ft.

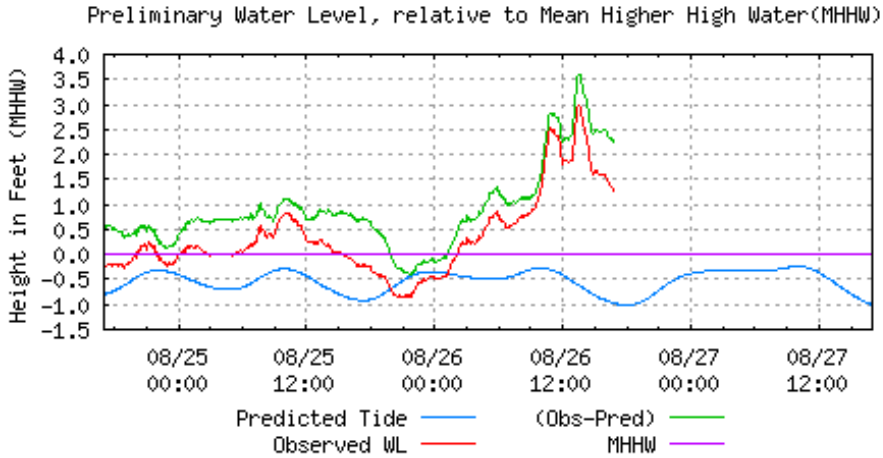
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 14 knots Gusts: 19 knots Direction: 119° T

NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



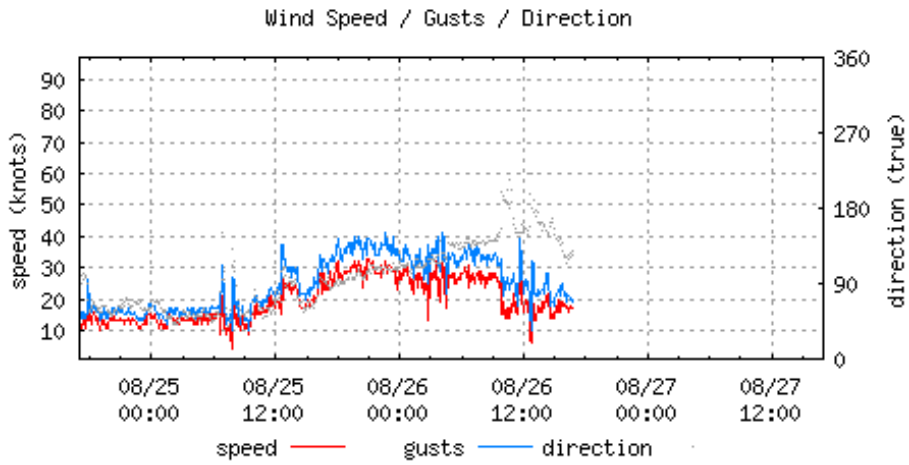
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 1.27 ft. Predicted: -0.98 ft. Residual: 2.25 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 10:02 (CDT), -0.24 ft.

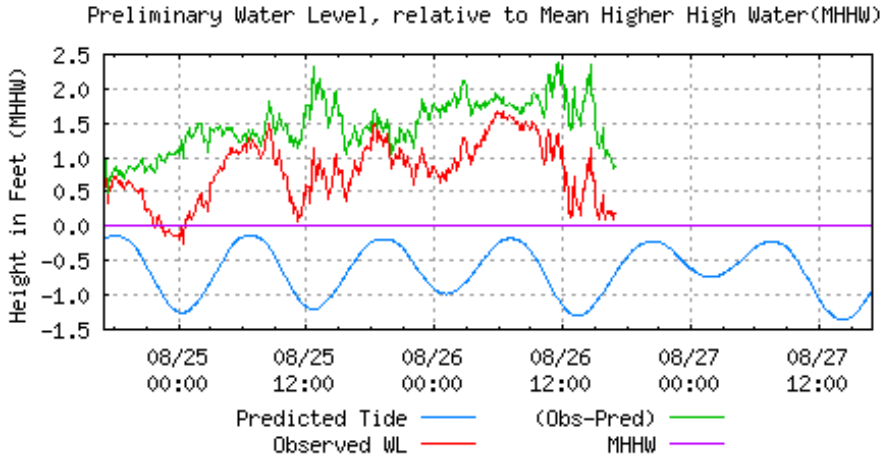
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 17 knots Gusts: 20 knots Direction: 130° T

NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX



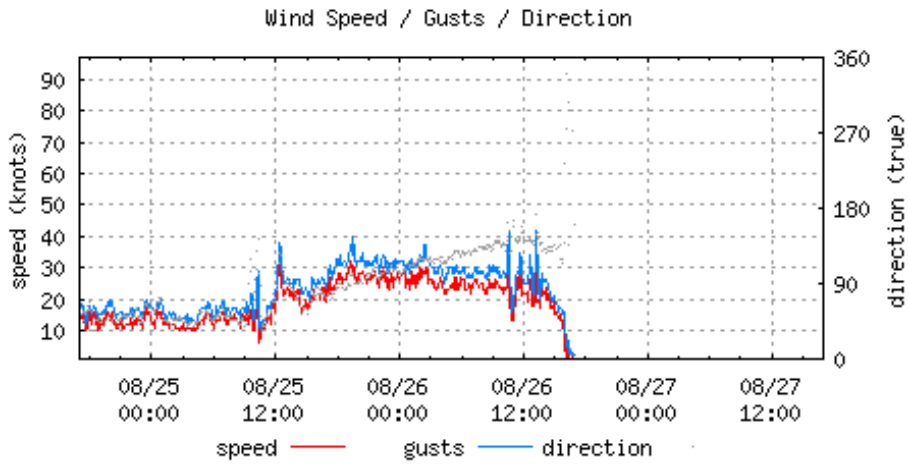
Last Observed Sample: 08/26/2017 16:54 (CDT). Data relative to MHHW

Observed: 0.19 ft. Predicted: -0.69 ft. Residual: 0.88 ft.

Historical Maximum Water Level: Mar 20 2012, 1.91 ft.

Next High Tide: 08/26/2017 20:32 (CDT), -0.22 ft.

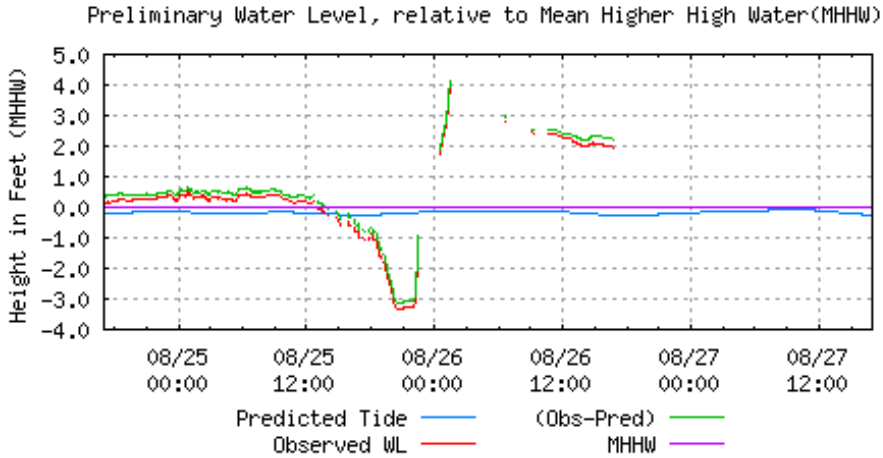
NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX



Last Observed Sample: 08/26/2017 16:54 (CDT)

Wind Speed: 0 knots Gusts: 2 knots Direction: 161° T

NOAA/NOS/CO-OPS 8774513 Copano Bay, TX



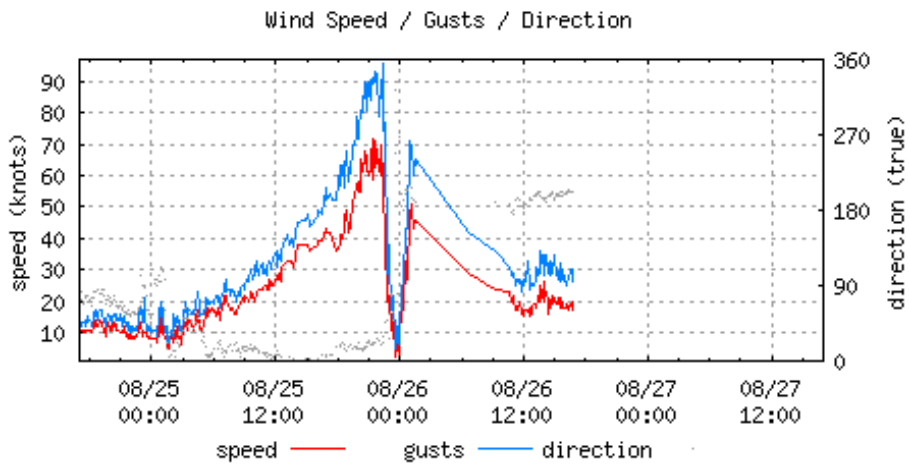
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 1.95 ft. Predicted: -0.27 ft. Residual: 2.22 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 09:41 (CDT), -0.08 ft.

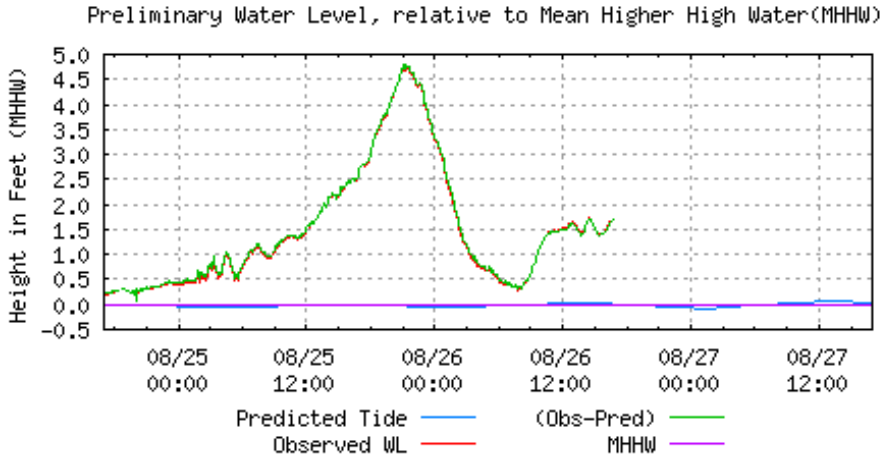
NOAA/NOS/CO-OPS 8774513 Copano Bay, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 17 knots Gusts: 26 knots Direction: 201° T

NOAA/NOS/CO-OPS 8774230 Aransas Wildlife Refuge, TX



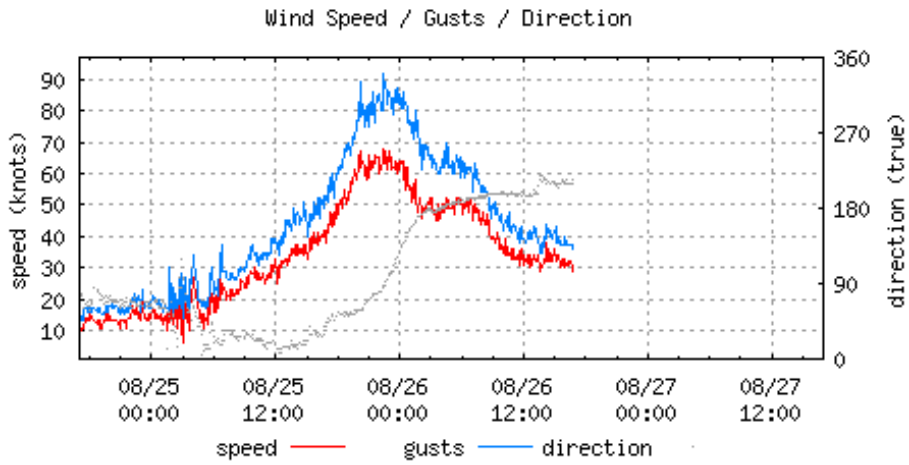
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: 1.70 ft. Predicted: 0.01 ft. Residual: 1.69 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 13:03 (CDT), 0.06 ft.

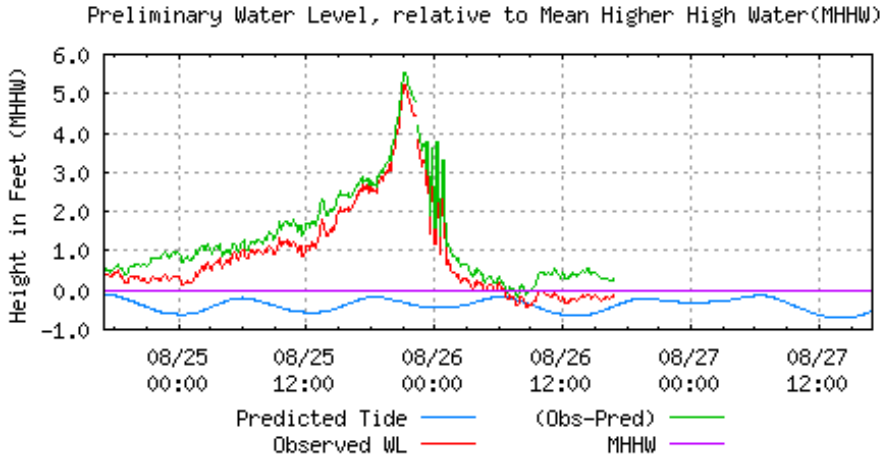
NOAA/NOS/CO-OPS 8774230 Aransas Wildlife Refuge, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Wind Speed: 29 knots Gusts: 37 knots Direction: 210° T

NOAA/NOS/CO-OPS 8775237 Port Aransas, TX



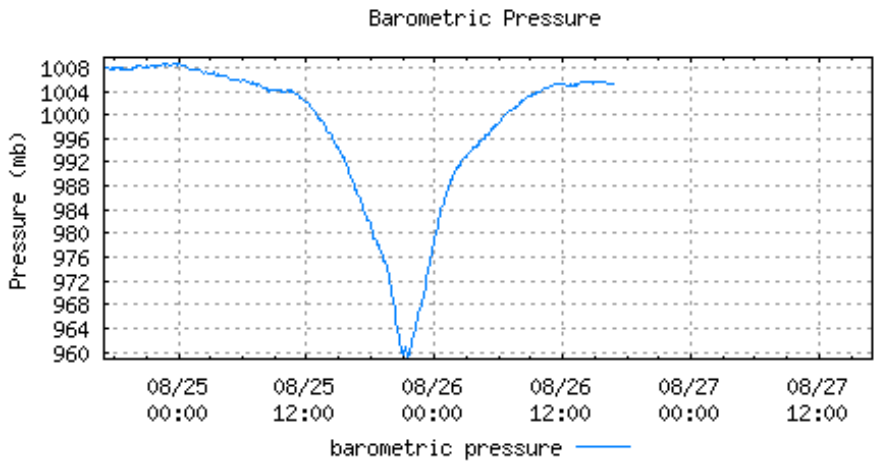
Last Observed Sample: 08/26/2017 16:48 (CDT). Data relative to MHHW

Observed: -0.11 ft. Predicted: -0.41 ft. Residual: 0.30 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/26/2017 19:30 (CDT), -0.22 ft.

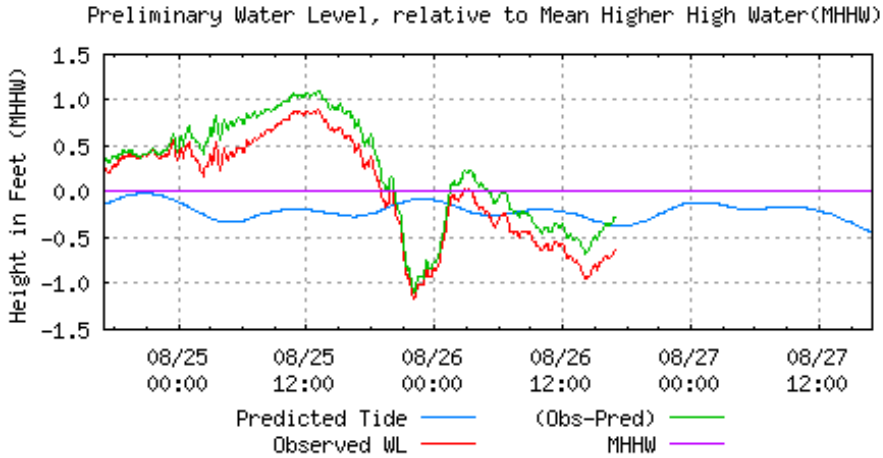
NOAA/NOS/CO-OPS 8775237 Port Aransas, TX



Last Observed Sample: 08/26/2017 16:48 (CDT)

Barometric Pressure: 1005.1 mb

NOAA/NOS/CO-OPS 8775296 USS Lexington, TX



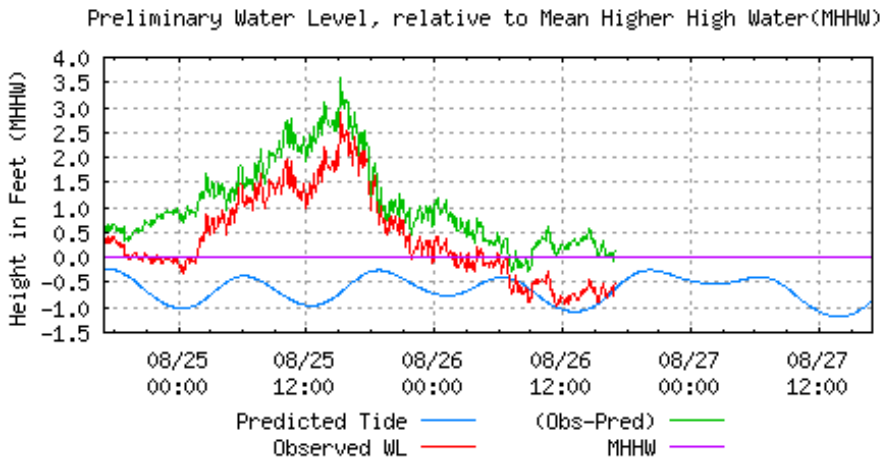
Last Observed Sample: 08/26/2017 16:54 (CDT). Data relative to MHHW

Observed: -0.64 ft. Predicted: -0.37 ft. Residual: -0.27 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 00:50 (CDT), -0.11 ft.

NOAA/NOS/CO-OPS 8775870 Bob Hall Pier, Corpus Christi, TX



Last Observed Sample: 08/26/2017 16:54 (CDT). Data relative to MHHW

Observed: -0.52 ft. Predicted: -0.63 ft. Residual: 0.11 ft.

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

Next High Tide: 08/26/2017 20:09 (CDT), -0.25 ft.

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
8773701	Port O'Connor, TX	08/26/2017 16:48 (CDT)	2.41 ft	-0.47 ft	2.88 ft	2.80 ft
8773259	Port Lavaca, TX	08/26/2017 16:48 (CDT)	3.36 ft	-0.52 ft	3.88 ft	6.57 ft
8773037	Seadrift, TX	08/26/2017 16:48 (CDT)	3.16 ft	-0.15 ft	3.31 ft	5.53 ft
8772985	Sargent, TX	08/26/2017 16:54 (CDT)	1.91 ft	-0.29 ft	2.20 ft	2.28 ft
8772447	Freeport, TX	08/26/2017 16:48 (CDT)	0.82 ft	-0.85 ft	1.67 ft	2.52 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/26/2017 16:48 (CDT)	0.75 ft	-0.88 ft	1.63 ft	2.40 ft
8771013	Eagle Point, TX	08/26/2017 16:48 (CDT)	2.46 ft	-0.57 ft	3.03 ft	3.20 ft
8770777	Manchester, TX	08/26/2017 16:48 (CDT)	2.44 ft	-0.85 ft	3.29 ft	4.25 ft
8770971	Rollover Pass, TX	08/26/2017 16:48 (CDT)	1.27 ft	-0.98 ft	2.25 ft	2.99 ft
8770822	Texas Point, Sabine Pass, TX	08/26/2017 16:54 (CDT)	0.19 ft	-0.69 ft	0.88 ft	1.68 ft
8774513	Copano Bay, TX	08/26/2017 16:48 (CDT)	1.95 ft	-0.27 ft	2.22 ft	3.97 ft
8774230	Aransas Wildlife Refuge, TX	08/26/2017 16:48 (CDT)	1.70 ft	0.01 ft	1.69 ft	4.77 ft
8775237	Port Aransas, TX	08/26/2017 16:48 (CDT)	-0.11 ft	-0.41 ft	0.30 ft	5.21 ft
8775296	USS Lexington, TX	08/26/2017 16:54 (CDT)	-0.64 ft	-0.37 ft	-0.27 ft	0.47 ft
8775870	Bob Hall Pier, Corpus Christi, TX	08/26/2017 16:54 (CDT)	-0.52 ft	-0.63 ft	0.11 ft	2.20 ft

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