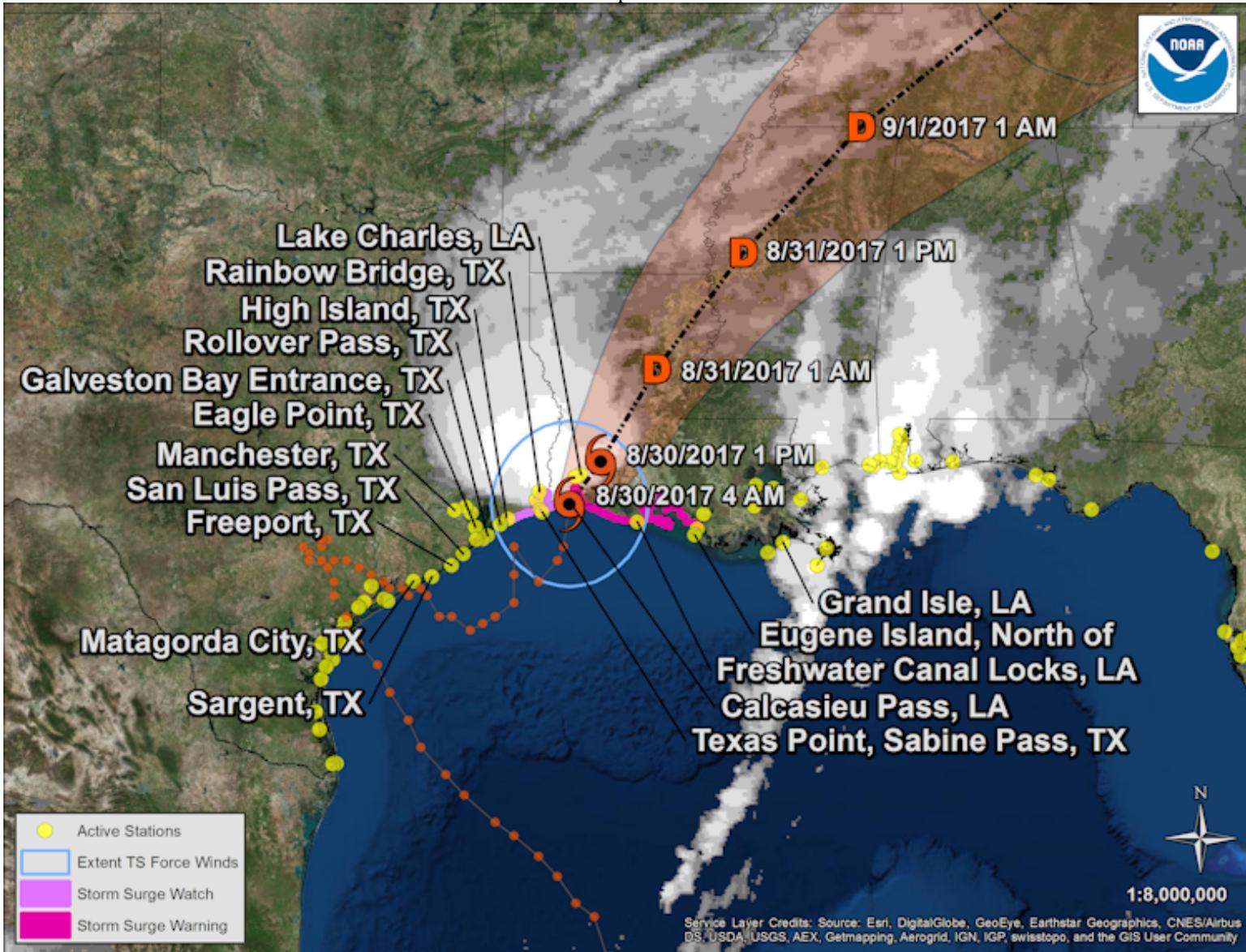


Tropical Storm HARVEY QuickLook
 Posted: 05:00 EDT 08/30/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/30/2017 0500 CDT, water levels within upper Galveston Bay and the Galveston Intracoastal Waterway remain elevated likely due to rainfall runoff. The highest water levels continue to be observed at Manchester, TX, which is now measuring about 7.5 feet above normal tide levels with water levels gradually falling about 1.5 feet over the past 6 hours. High Island, TX, within the ICW is measuring over 4 feet above tidal predictions.

Water levels to the east of landfall at Freshwater Canal Locks, LA and Eugene Island, LA are rising and range between 2.5 and 3 feet above normal tide levels. Elsewhere along the Texas and western Louisiana coast, water levels generally range between 1 and 3 feet above normal tide levels, though levels at San Luis Pass, TX and Freeport, TX have fallen back down to just above normal tide levels.

Winds from Galveston Bay Entrance, TX to Eugene Island, LA are measuring between 20 and 30 knots with gusts of 30 to 40 knots. Elsewhere, wind speeds generally range from 10 to 20 knots with slightly higher gusts.

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see the [NWS Advanced Hydrologic Prediction Services](#) or your local [National Weather Service Forecast Office](#).

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 40
NWS National Hurricane Center Miami FL AL092017
400 AM CDT Wed Aug 30 2017

...HARVEY MAKES LANDFALL JUST WEST OF CAMERON LOUISIANA...
...FLOODING RAINS DOUSING EXTREME SOUTHEASTERN TEXAS AND SOUTHWESTERN LOUISIANA...

SUMMARY OF 400 AM CDT...0900 UTC...INFORMATION

LOCATION...29.8N 93.4W
ABOUT 5 MI...10 KM W OF CAMERON LOUISIANA
ABOUT 30 MI...50 KM ESE OF PORT ARTHUR TEXAS
MAXIMUM SUSTAINED WINDS...45 MPH...75 KM/H
PRESENT MOVEMENT...NNE OR 30 DEGREES AT 7 MPH...11 KM/H
MINIMUM CENTRAL PRESSURE...990 MB...29.24 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning and Storm Surge Watch have been discontinued from High Island, Texas, westward.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...
* Holly Beach Louisiana to Morgan City Louisiana

A Storm Surge Watch is in effect for...

* East of High Island Texas to west of Holly Beach Louisiana

A Tropical Storm Warning is in effect for...

* East of High Island Texas to Grand Isle Louisiana

Catastrophic and life-threatening flooding continues in southeastern Texas and portions of southwestern Louisiana. Please see warnings and other products issued by your local National Weather Service office for additional information on this life-threatening situation.

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 12 hours 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. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

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 AM CDT (0900 UTC), the center of Tropical Storm Harvey was located just inland near latitude 29.8 North, longitude 93.4 West. Harvey is moving toward the north-northeast near 7 mph (11 km/h). A north-northeastward and then northeastward motion at a faster forward speed is expected through Thursday night. On the forecast track, the center of Harvey will move across the Lower Mississippi Valley and Tennessee Valley through Thursday.

Maximum sustained winds are near 45 mph (75 km/h) with higher gusts. Gradual weakening is forecast now that the center has crossed the coast, and Harvey is expected to become a tropical depression by tonight.

Tropical-storm-force winds extend outward up to 80 miles (130 km) from the center.

Surface observations indicate that the estimated minimum central pressure is 990 mb (29.24 inches).

HAZARDS AFFECTING LAND

RAINFALL: Harvey is expected to produce additional rainfall accumulations of 3 to 6 inches from southwestern Louisiana and the adjacent border of eastern Texas northeastward into western Kentucky through Friday with isolated amounts up to 10 inches. While the threat of heavy rains has ended in the Houston/Galveston area, catastrophic and life-threatening flooding will continue in and around Houston eastward into southwest Louisiana for the rest of the week. The expected heavy rains spreading northeastward from Louisiana into western Kentucky may also lead to flash flooding and increased river and small stream flooding. **DO NOT ATTEMPT TO TRAVEL IN THE AFFECTED AREA IF YOU ARE IN A SAFE PLACE. DO NOT DRIVE INTO FLOODED ROADWAYS.** Please see warnings and products issued by your local National Weather Service office for additional information on this life-threatening situation.

Elsewhere, the outer bands of Harvey are expected to produce additional rainfall amounts of 3 to 6 inches over portions of the central and eastern Gulf States and 2 to 4 inches farther north into parts of the Tennessee Valley through Friday. These rains may lead to flooding concerns across these areas.

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...

Holly Beach to Morgan City...2 to 4 ft San Luis Pass to west of Holly Beach incl. Galveston Bay...1 to 3 ft Morgan City to Grand Isle...1 to 2 ft

The deepest water will occur along the immediate coast near the area of onshore winds. 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 over portions of the warning area along the coast and are likely to persist through today.

SURF: Swells generated by Harvey are still affecting the coasts of Texas and Louisiana. 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 today and tonight over parts of Louisiana, Mississippi, southern Alabama, and southeast Arkansas.

NEXT ADVISORY

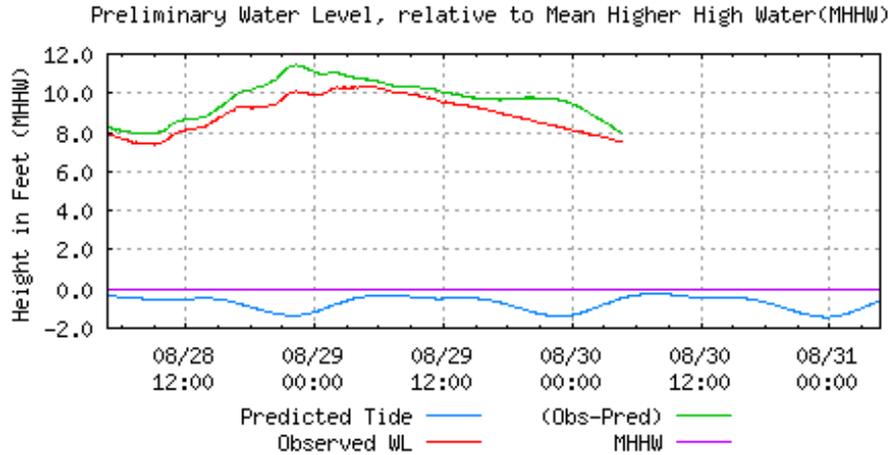
Next intermediate advisory at 700 AM CDT.
Next complete advisory at 1000 AM CDT.

\$\$
Forecaster Berg

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: [Manchester - Water Level](#), [Manchester - Winds](#), [Manchester - Barometric](#), [Eagle Point - Water Level](#), [Eagle Point - Winds](#), [Galveston Bay Entrance, North Jetty - Water Level](#), [Galveston Bay Entrance, North Jetty - Winds](#), [Rollover Pass - Water Level](#), [Rollover Pass - Winds](#), [High Island - Water Level](#), [High Island - Winds](#), [Rainbow Bridge - Water Level](#), [Texas Point, Sabine Pass - Water Level](#), [Texas Point, Sabine Pass - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Lake Charles - Water Level](#), [Lake Charles - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Eugene Island, North of , Gulf of Mexico - Water Level](#), [Eugene Island, North of , Gulf of Mexico - Winds](#), [Eugene Island, North of , Gulf of Mexico - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [Sargent - Water Level](#), [Sargent - Winds](#), [Matagorda City - Water Level](#), [Matagorda City - Winds](#), [Matagorda City - Barometric](#), [San Luis Pass - Water Level](#), [San Luis Pass - Winds](#), [Freeport - Water Level](#), [Freeport - Winds](#)

NOAA/NOS/CO-OPS 8770777 Manchester, TX



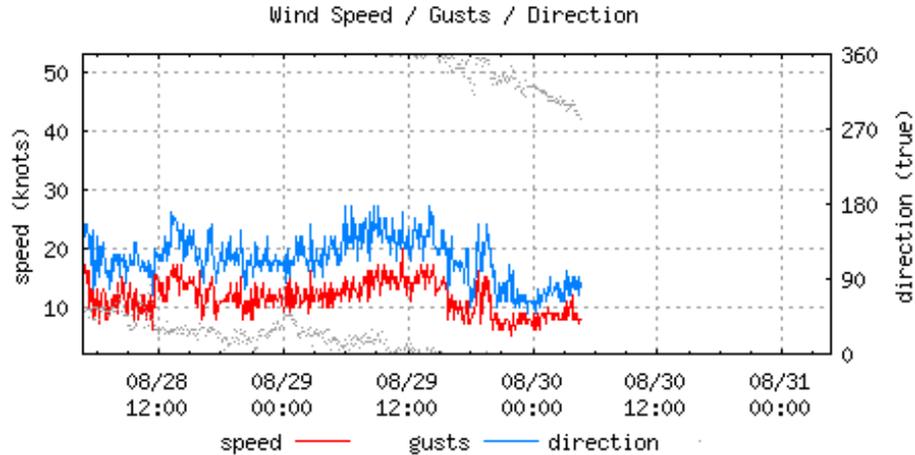
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 7.51 ft. Predicted: -0.47 ft. Residual: 7.98 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 07:45 (CDT), -0.25 ft.

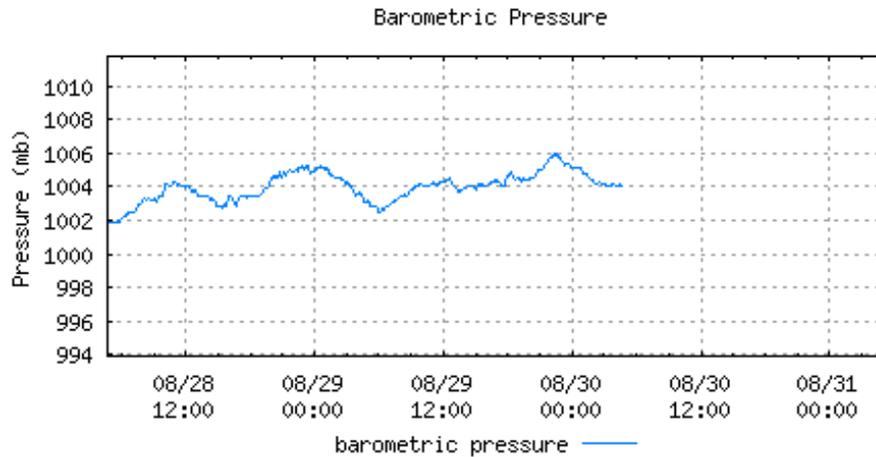
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 8 knots Gusts: 14 knots Direction: 283° T

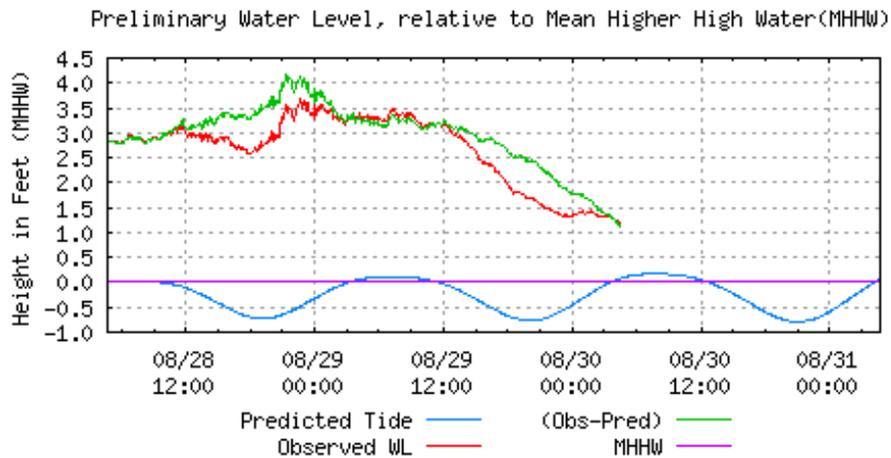
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Barometric Pressure: 1004.1 mb

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



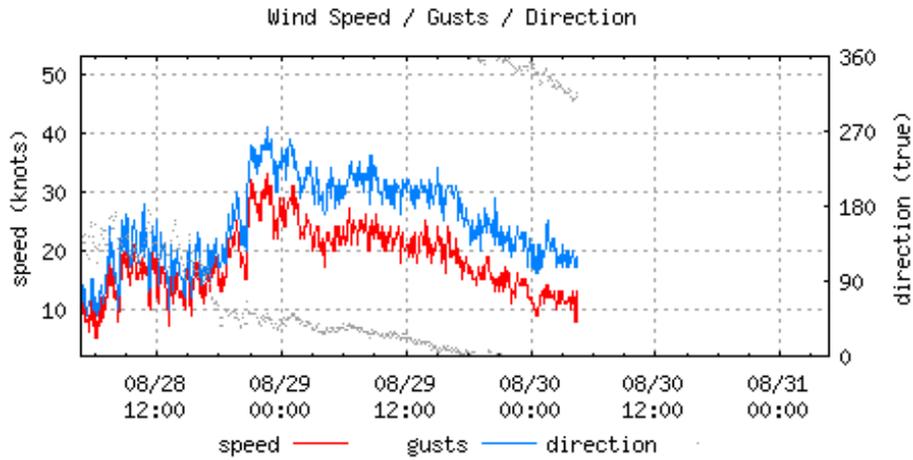
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 1.21 ft. Predicted: 0.08 ft. Residual: 1.13 ft.

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

Next High Tide: 08/30/2017 07:43 (CDT), 0.18 ft.

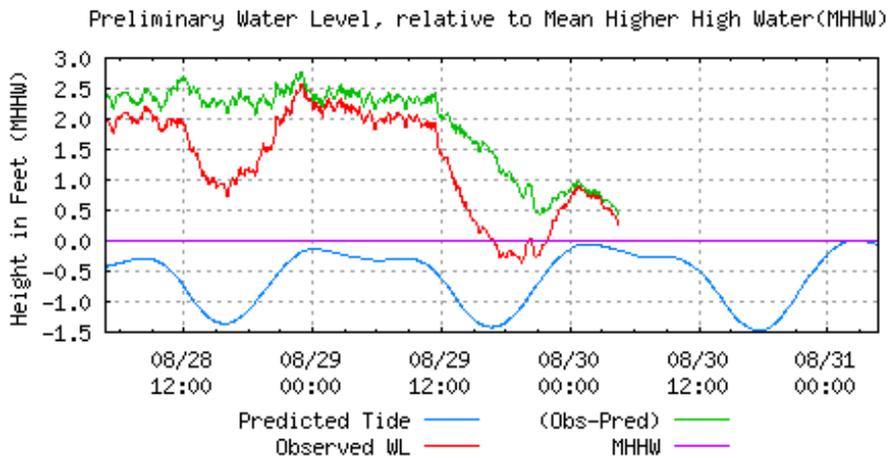
NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 10 knots Gusts: 20 knots Direction: 307° T

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



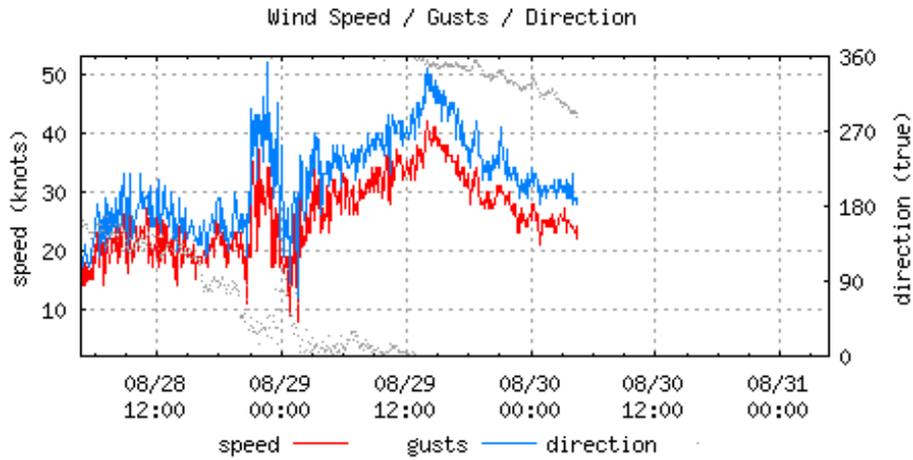
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 0.25 ft. Predicted: -0.16 ft. Residual: 0.41 ft.

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

Next High Tide: 08/31/2017 02:33 (CDT), 0.01 ft.

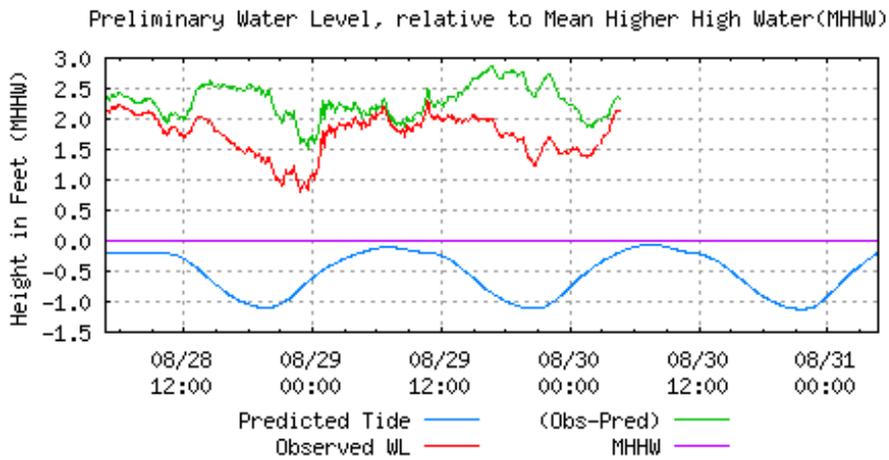
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 23 knots Gusts: 31 knots Direction: 288° T

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



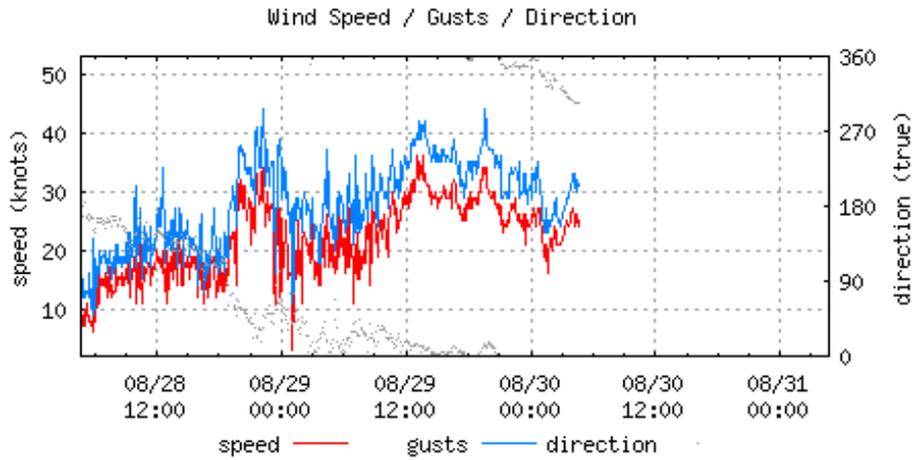
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 2.13 ft. Predicted: -0.20 ft. Residual: 2.33 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 07:31 (CDT), -0.06 ft.

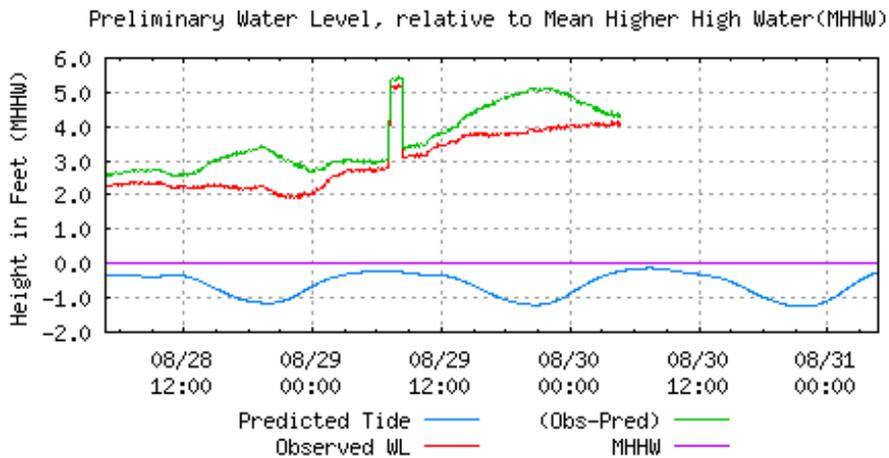
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 24 knots Gusts: 31 knots Direction: 303° T

NOAA/NOS/CO-OPS 8770808 High Island, TX



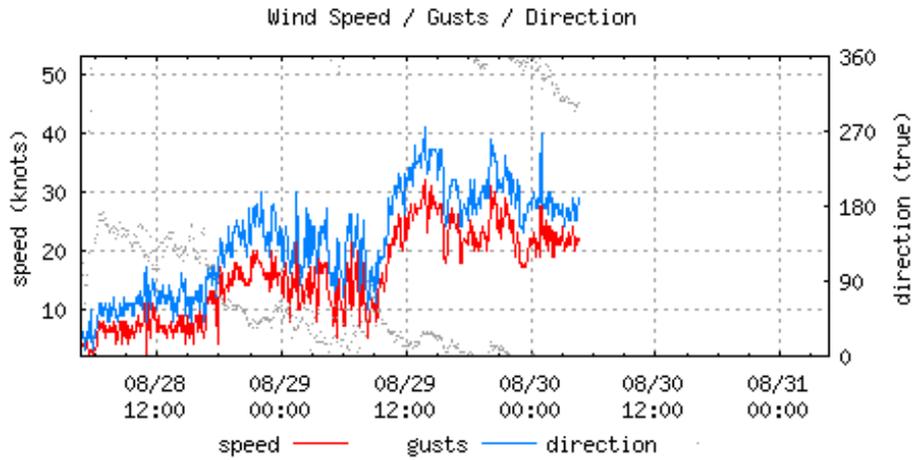
Last Observed Sample: 08/30/2017 04:42 (CDT). Data relative to MHHW

Observed: 4.15 ft. Predicted: -0.23 ft. Residual: 4.38 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 07:25 (CDT), -0.13 ft.

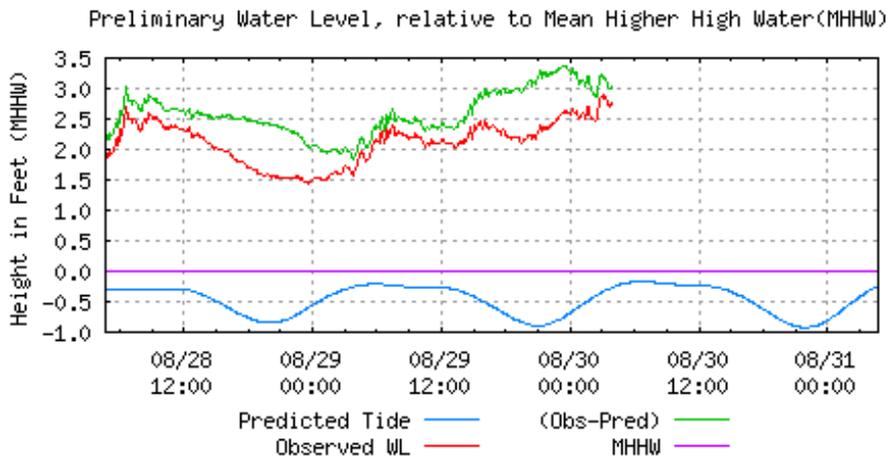
NOAA/NOS/CO-OPS 8770808 High Island, TX



Last Observed Sample: 08/30/2017 04:42 (CDT)

Wind Speed: 24 knots Gusts: 28 knots Direction: 302° T

NOAA/NOS/CO-OPS 8770520 Rainbow Bridge, TX



Last Observed Sample: 08/30/2017 03:54 (CDT). Data relative to MHHW

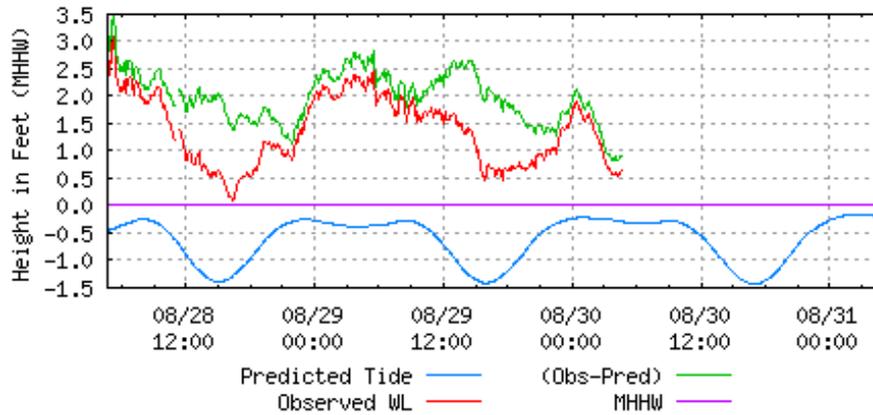
Observed: 2.74 ft. Predicted: -0.27 ft. Residual: 3.01 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 06:39 (CDT), -0.17 ft.

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

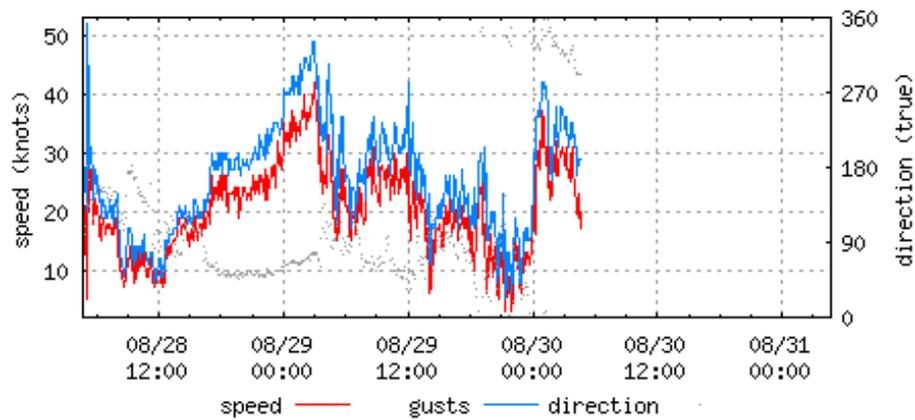
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/30/2017 04:42 (CDT). Data relative to MHHW
Observed: 0.66 ft. Predicted: -0.29 ft. Residual: 0.95 ft.
 Historical Maximum Water Level: Mar 20 2012, 1.91 ft.
 Next High Tide: 08/30/2017 09:07 (CDT), -0.27 ft.

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

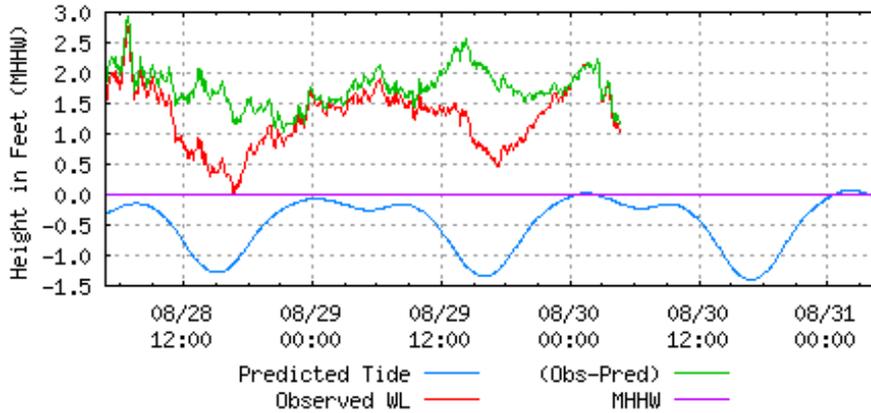
Wind Speed / Gusts / Direction



Last Observed Sample: 08/30/2017 04:42 (CDT)
Wind Speed: 21 knots Gusts: 27 knots Direction: 283° T

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA

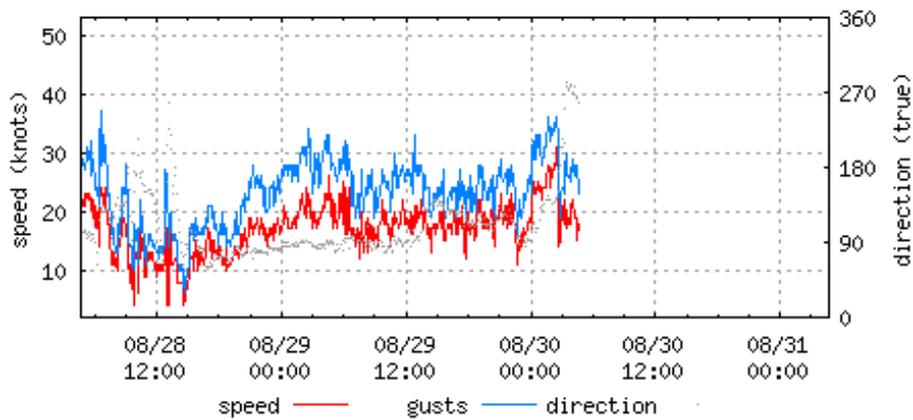
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW
Observed: 1.04 ft. Predicted: -0.14 ft. Residual: 1.18 ft.
 Historical Maximum Water Level: Sep 13 2008, 9.96 ft.
 Next High Tide: 08/30/2017 09:12 (CDT), -0.16 ft.

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA

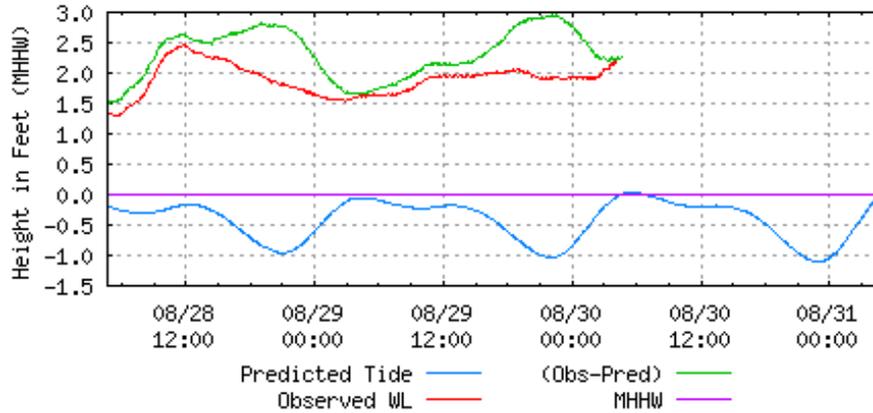
Wind Speed / Gusts / Direction



Last Observed Sample: 08/30/2017 04:36 (CDT)
Wind Speed: 18 knots Gusts: 23 knots Direction: 259° T

NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

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



Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

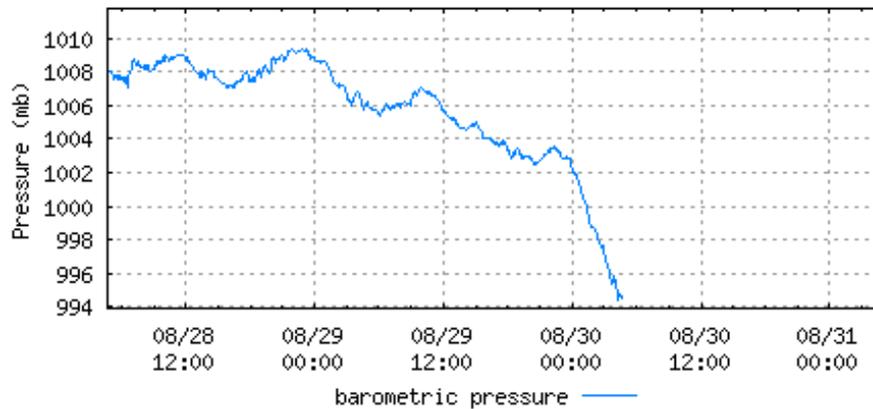
Observed: 2.27 ft. Predicted: 0.01 ft. Residual: 2.26 ft.

Historical Maximum Water Level: Oct 16 2006, 2.19 ft.

Next High Tide: 08/30/2017 05:33 (CDT), 0.04 ft.

NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

Barometric Pressure

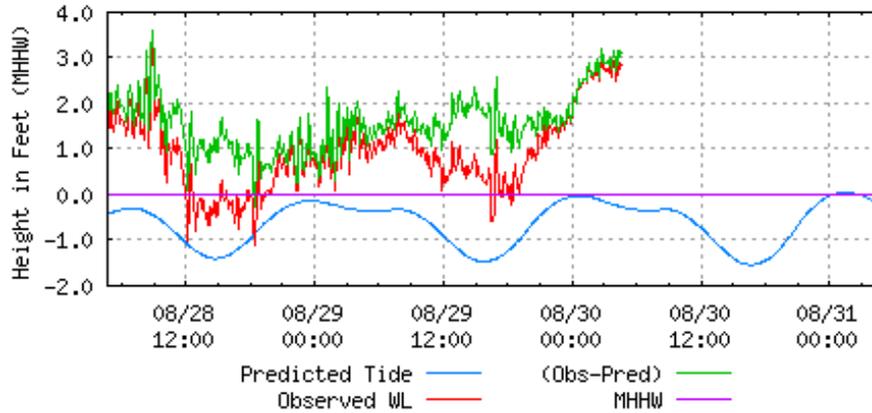


Last Observed Sample: 08/30/2017 04:36 (CDT)

Barometric Pressure: 994.5 mb

NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

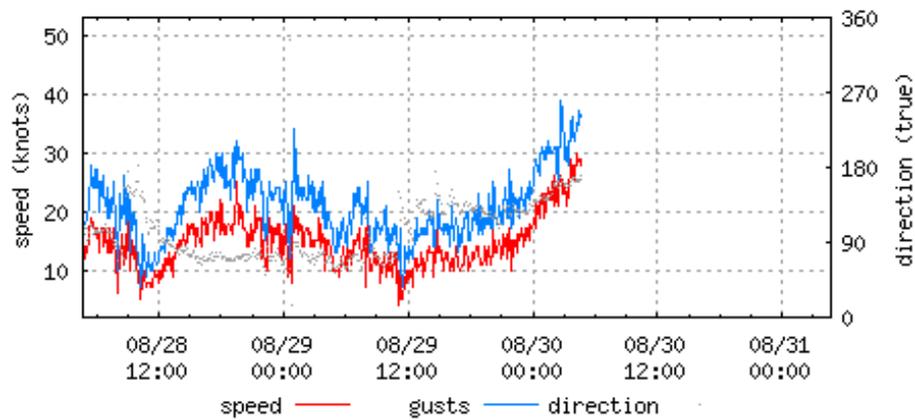
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 04:42 (CDT). Data relative to MHHW
Observed: 2.83 ft. Predicted: -0.27 ft. Residual: 3.10 ft.
 Historical Maximum Water Level: Sep 12 2008, 7.98 ft.
 Next High Tide: 08/31/2017 01:27 (CDT), 0.05 ft.

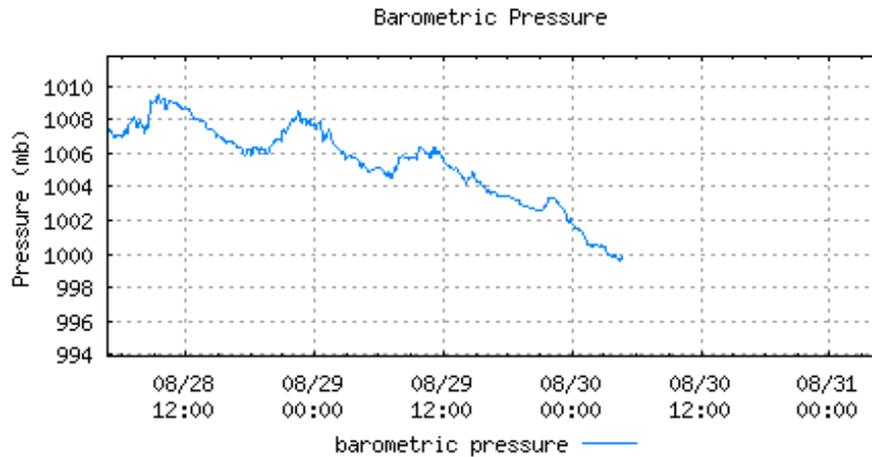
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Wind Speed / Gusts / Direction



Last Observed Sample: 08/30/2017 04:42 (CDT)
Wind Speed: 28 knots Gusts: 36 knots Direction: 165° T

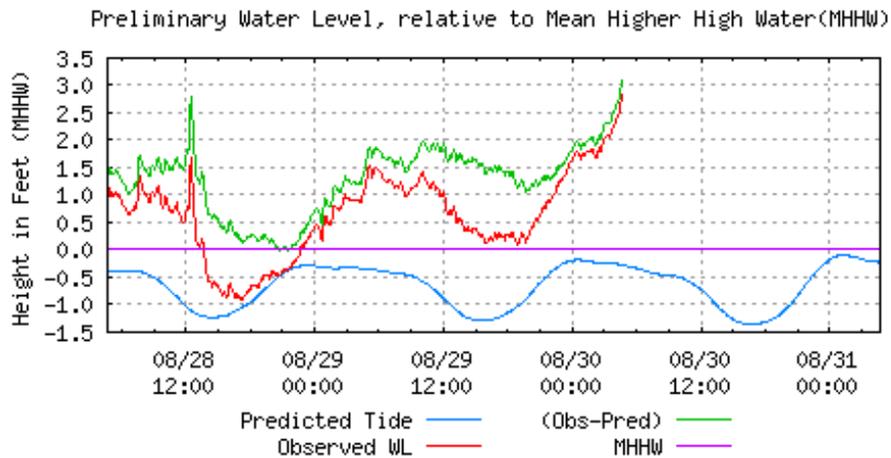
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA



Last Observed Sample: 08/30/2017 04:42 (CDT)

Barometric Pressure: 999.8 mb

NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



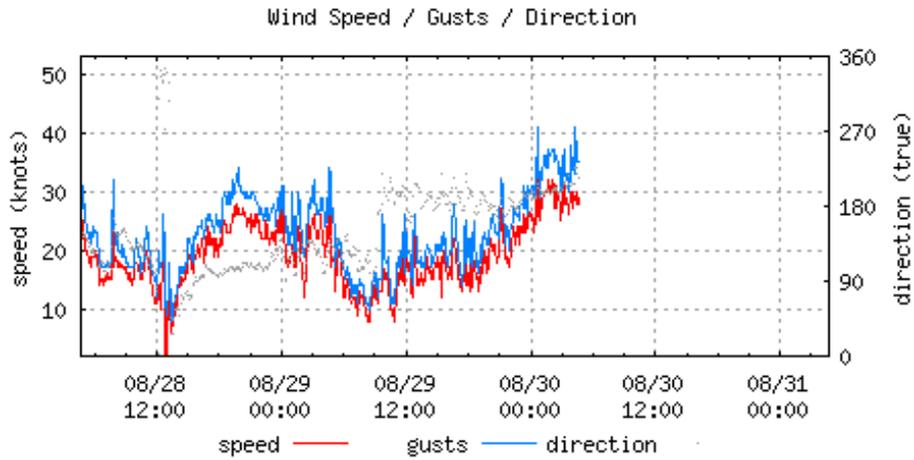
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 2.83 ft. Predicted: -0.28 ft. Residual: 3.11 ft.

Historical Maximum Water Level: Oct 25 2015, 2.74 ft.

Next High Tide: 08/31/2017 01:15 (CDT), -0.10 ft.

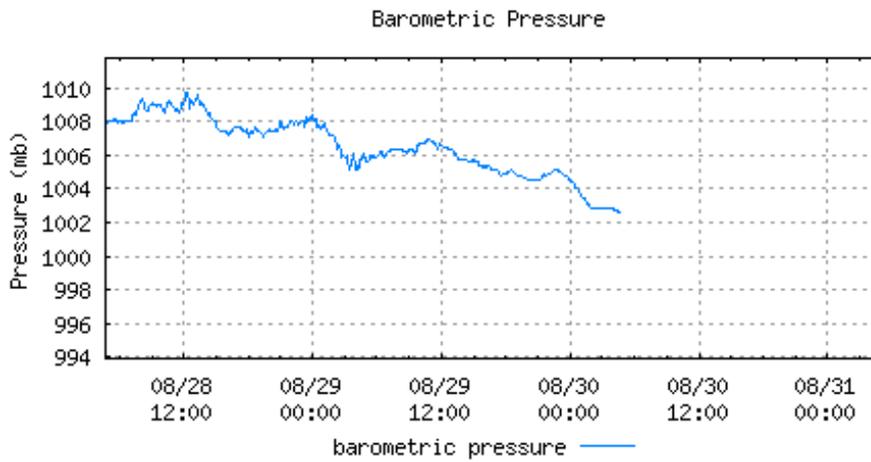
NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 28 knots Gusts: 35 knots Direction: 213° T

NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA

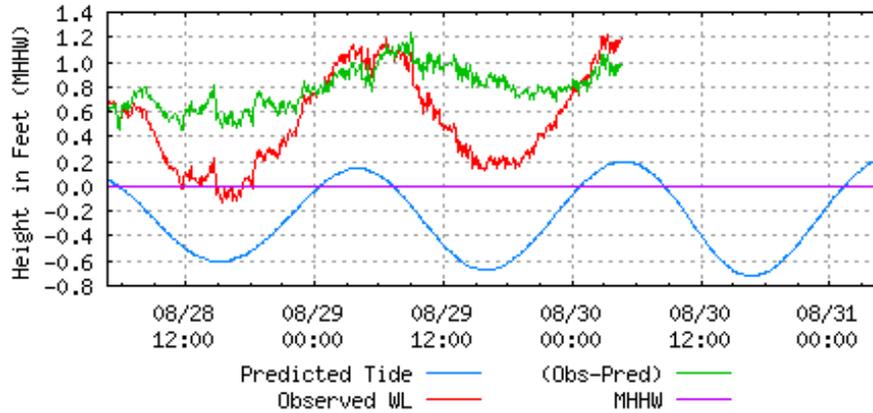


Last Observed Sample: 08/30/2017 04:36 (CDT)

Barometric Pressure: 1002.6 mb

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

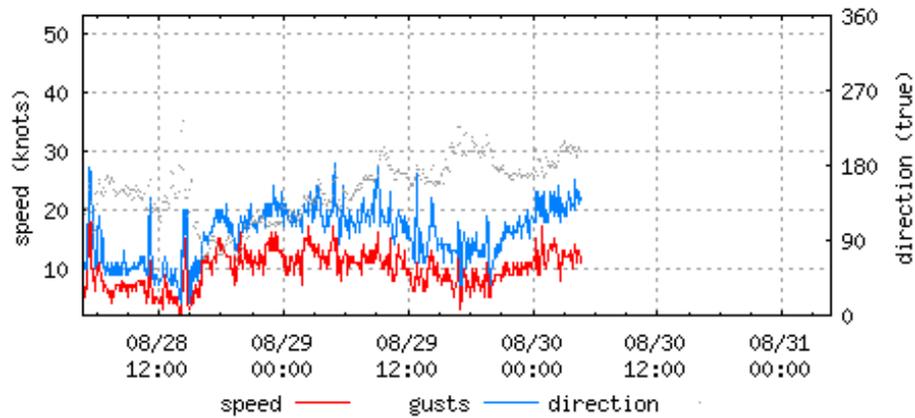
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 04:42 (CDT). Data relative to MHHW
Observed: 1.17 ft. Predicted: 0.20 ft. Residual: 0.97 ft.
 Historical Maximum Water Level: Aug 29 2012, 4.45 ft.
 Next High Tide: 08/30/2017 04:50 (CDT), 0.20 ft.

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

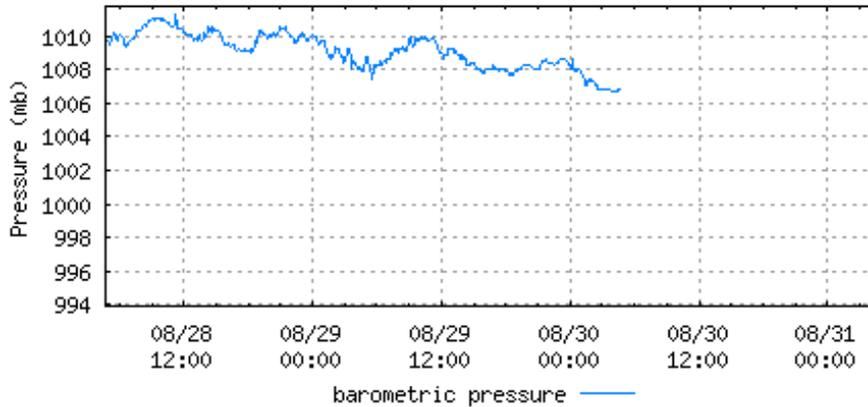
Wind Speed / Gusts / Direction



Last Observed Sample: 08/30/2017 04:42 (CDT)
Wind Speed: 11 knots Gusts: 20 knots Direction: 195° T

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

Barometric Pressure

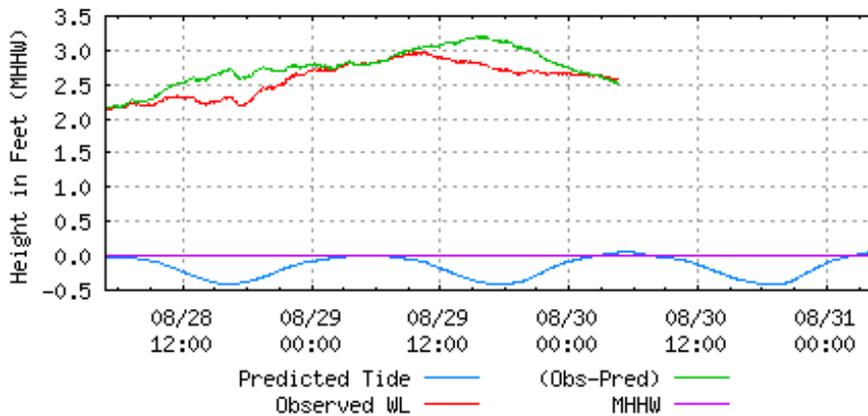


Last Observed Sample: 08/30/2017 04:42 (CDT)

Barometric Pressure: 1006.8 mb

NOAA/NOS/CO-OPS 8772985 Sargent, TX

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



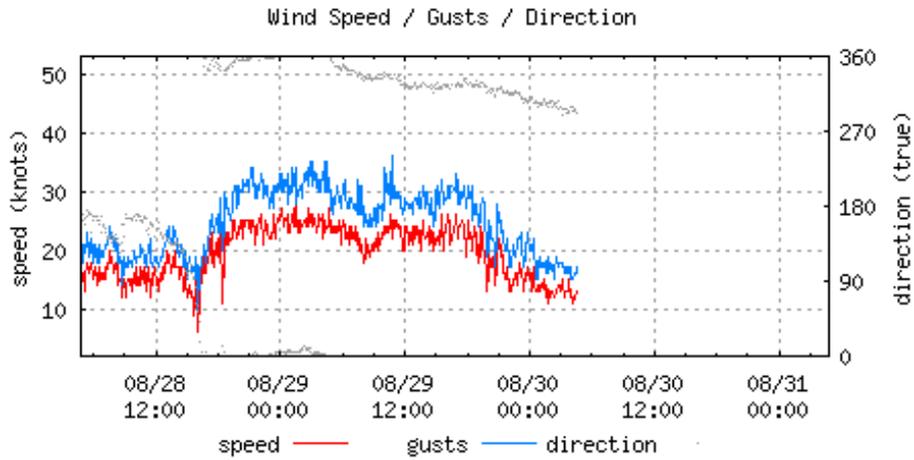
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 2.58 ft. Predicted: 0.05 ft. Residual: 2.53 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 05:20 (CDT), 0.05 ft.

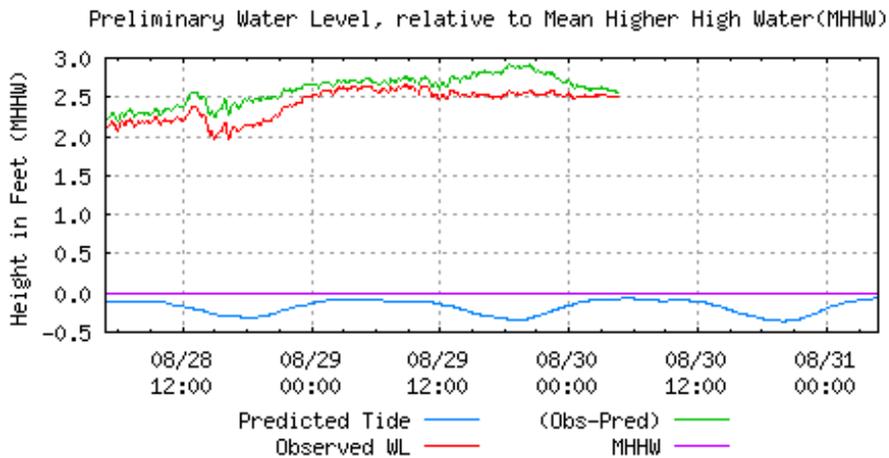
NOAA/NOS/CO-OPS 8772985 Sargent, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 291° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



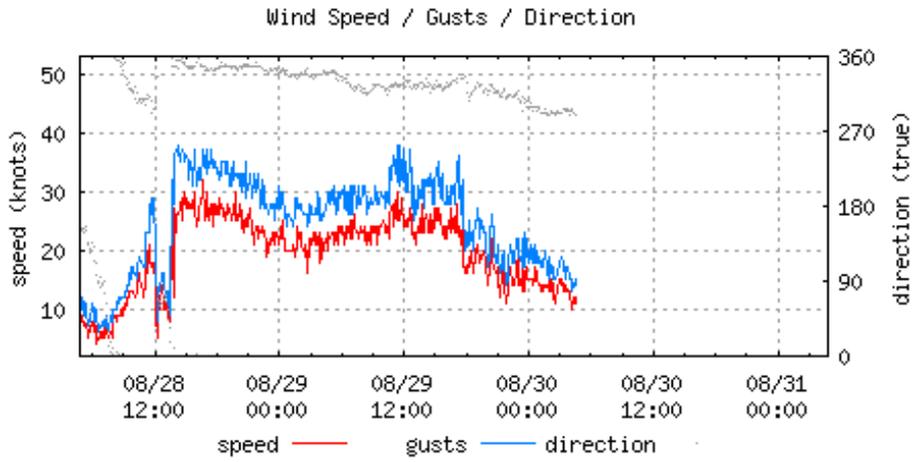
Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW

Observed: 2.50 ft. Predicted: -0.07 ft. Residual: 2.57 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/30/2017 05:29 (CDT), -0.07 ft.

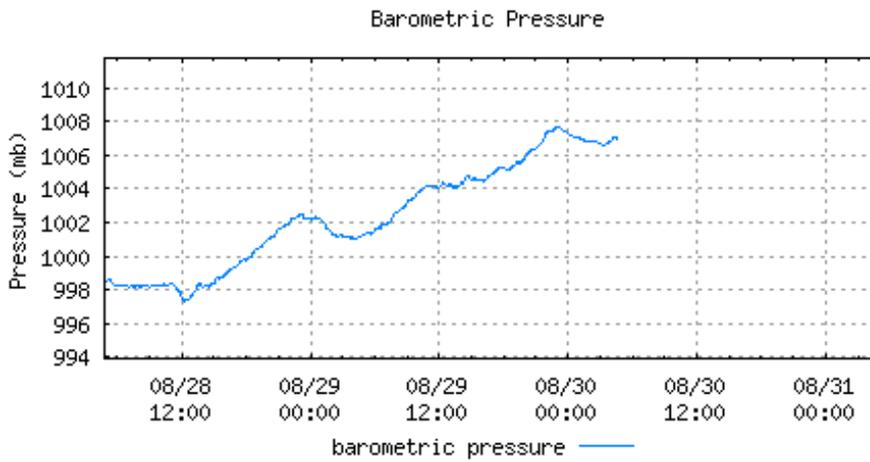
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)

Wind Speed: 12 knots Gusts: 14 knots Direction: 289° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX

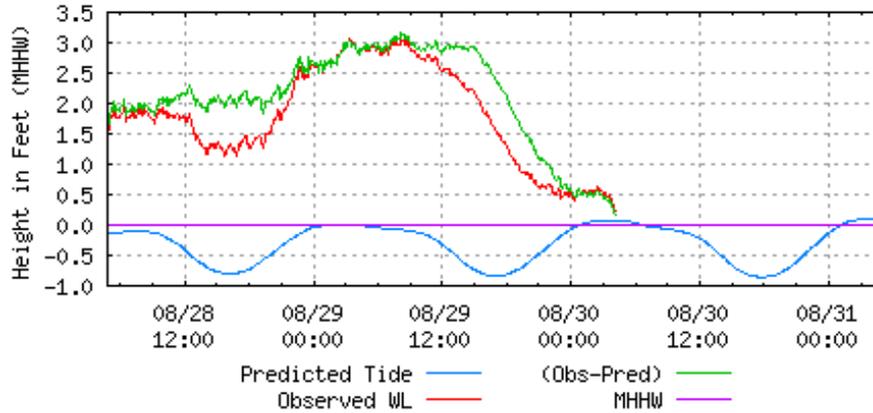


Last Observed Sample: 08/30/2017 04:36 (CDT)

Barometric Pressure: 1007.1 mb

NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX

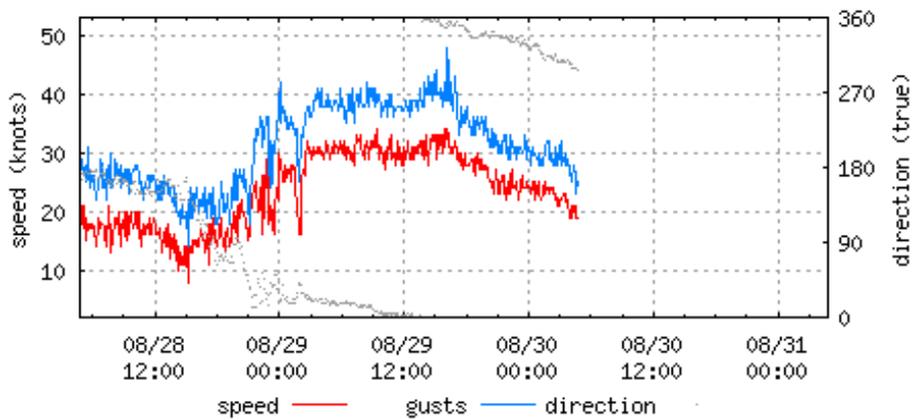
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/30/2017 04:42 (CDT). Data relative to MHHW
Observed: 0.23 ft. Predicted: 0.07 ft. Residual: 0.16 ft.
 Historical Maximum Water Level: n/a
 Next High Tide: 08/31/2017 04:25 (CDT), 0.11 ft.

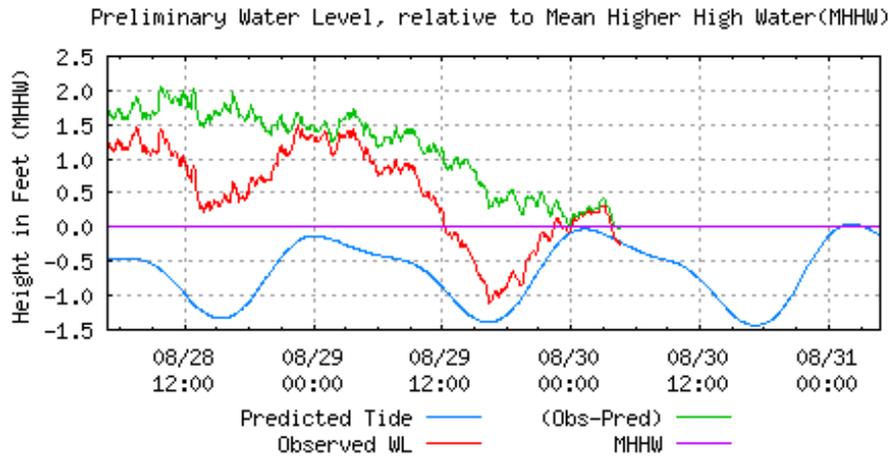
NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX

Wind Speed / Gusts / Direction



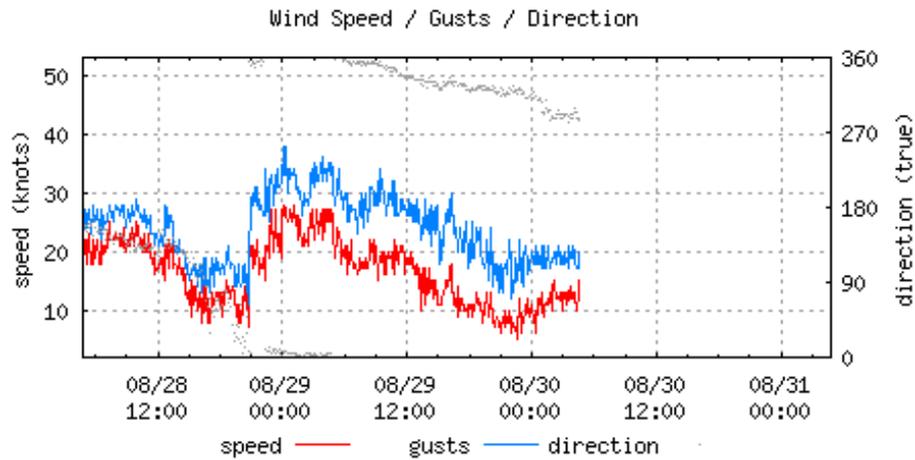
Last Observed Sample: 08/30/2017 04:42 (CDT)
Wind Speed: 19 knots Gusts: 25 knots Direction: 297° T

NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/30/2017 04:36 (CDT). Data relative to MHHW
Observed: -0.24 ft. Predicted: -0.22 ft. Residual: -0.02 ft.
Historical Maximum Water Level: Sep 12 2008, 5.58 ft.
Next High Tide: 08/31/2017 02:07 (CDT), 0.05 ft.

NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/30/2017 04:36 (CDT)
Wind Speed: 15 knots Gusts: 20 knots Direction: 285° T

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 |
|------------|--|------------------------|----------------------|----------------|----------------------|----------------------------|
| 8770777 | Manchester, TX | 08/30/2017 04:36 (CDT) | 7.51 ft | -0.47 ft | 7.98 ft | 10.36 ft |
| 8771013 | Eagle Point, TX | 08/30/2017 04:36 (CDT) | 1.21 ft | 0.08 ft | 1.13 ft | 3.47 ft |
| 8771341 | Galveston Bay Entrance, North Jetty, TX | 08/30/2017 04:36 (CDT) | 0.25 ft | -0.16 ft | 0.41 ft | 2.12 ft |
| 8770971 | Rollover Pass, TX | 08/30/2017 04:36 (CDT) | 2.13 ft | -0.20 ft | 2.33 ft | 2.30 ft |
| 8770808 | High Island, TX | 08/30/2017 04:42 (CDT) | 4.15 ft | -0.23 ft | 4.38 ft | 5.20 ft |
| 8770520 | Rainbow Bridge, TX | 08/30/2017 03:54 (CDT) | 2.74 ft | -0.27 ft | 3.01 ft | 2.88 ft |
| 8770822 | Texas Point, Sabine Pass, TX | 08/30/2017 04:42 (CDT) | 0.66 ft | -0.29 ft | 0.95 ft | 2.46 ft |
| 8768094 | Calcasieu Pass, LA | 08/30/2017 04:36 (CDT) | 1.04 ft | -0.14 ft | 1.18 ft | 2.23 ft |
| 8767816 | Lake Charles, LA | 08/30/2017 04:36 (CDT) | 2.27 ft | 0.01 ft | 2.26 ft | 2.27 ft |
| 8766072 | Freshwater Canal Locks, LA | 08/30/2017 04:42 (CDT) | 2.83 ft | -0.27 ft | 3.10 ft | 3.06 ft |
| 8764314 | Eugene Island, North of , Gulf of Mexico, LA | 08/30/2017 04:36 (CDT) | 2.83 ft | -0.28 ft | 3.11 ft | 2.83 ft |
| 8761724 | Grand Isle, LA | 08/30/2017 04:42 (CDT) | 1.17 ft | 0.20 ft | 0.97 ft | 1.22 ft |
| 8772985 | Sargent, TX | 08/30/2017 04:36 (CDT) | 2.58 ft | 0.05 ft | 2.53 ft | 2.97 ft |
| 8773146 | Matagorda City, TX | 08/30/2017 04:36 (CDT) | 2.50 ft | -0.07 ft | 2.57 ft | 2.67 ft |
| 8771972 | San Luis Pass, TX | 08/30/2017 04:42 (CDT) | 0.23 ft | 0.07 ft | 0.16 ft | 3.08 ft |
| 8772447 | Freeport, TX | 08/30/2017 04:36 (CDT) | -0.24 ft | -0.22 ft | -0.02 ft | 1.16 ft |

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce