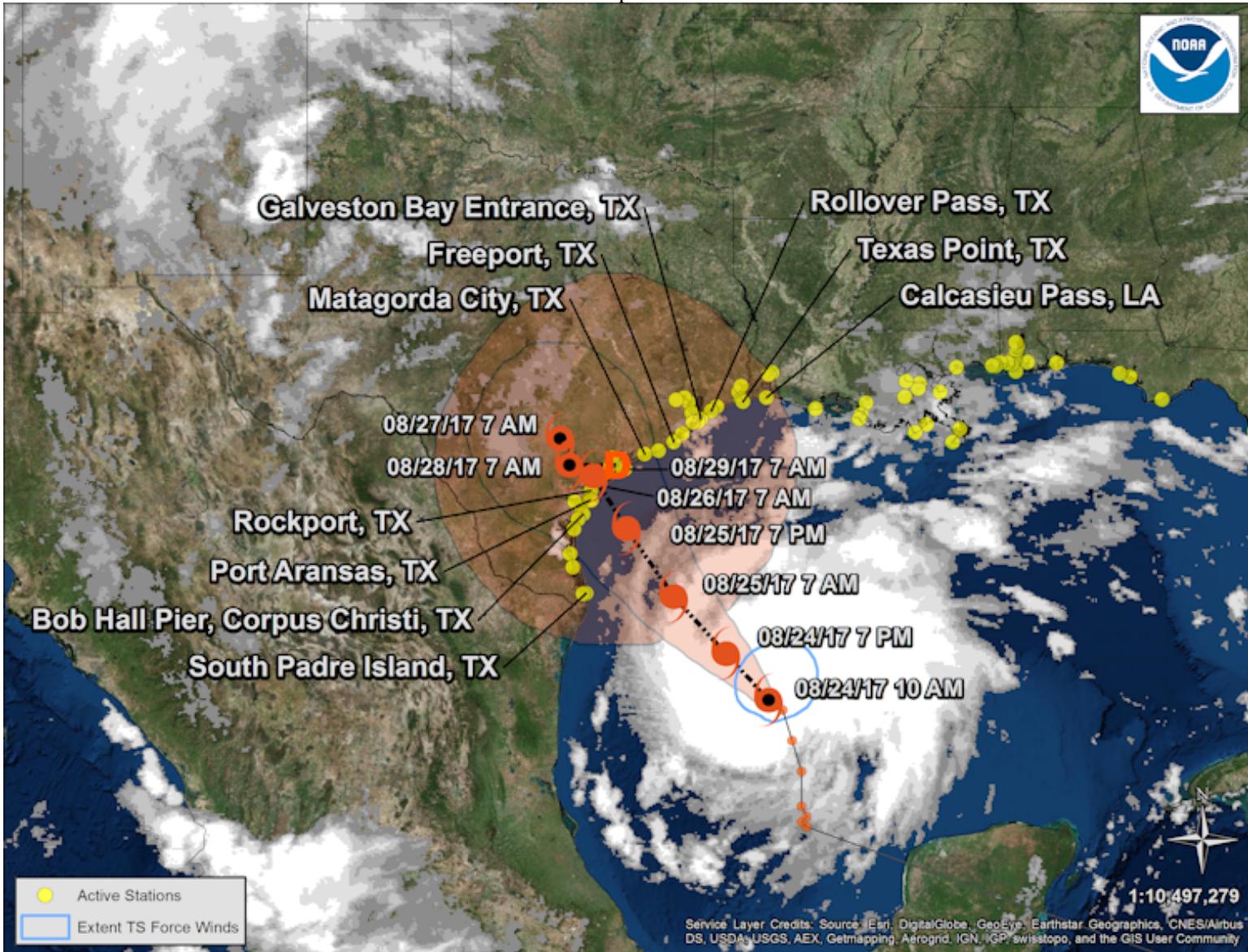


Tropical Storm HARVEY QuickLook  
 Posted: 11:00 CDT 08/24/2017

NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 1100 CDT 8/24/2017, water levels along the Texas coastline measure between 0.3 and 0.7 feet above tide predictions. Winds are generally light and less than 15 knots in most areas. Barometric pressure is gradually falling across the region.

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

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM HARVEY ADVISORY NUMBER 16

NWS NATIONAL HURRICANE CENTER MIAMI FL

1000 AM CDT THU AUG 24 2017

...HARVEY QUICKLY STRENGTHENING AND FORECAST TO BE A MAJOR HURRICANE WHEN IT APPROACHES THE MIDDLE TEXAS COAST...

...LIFE-THREATENING STORM SURGE AND FRESHWATER FLOODING EXPECTED...

SUMMARY OF 1000 AM CDT...1500 UTC...INFORMATION

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LOCATION...24.0N 93.3W

ABOUT 365 MI SE OF CORPUS CHRISTI TEXAS

ABOUT 360 MI SSE OF PORT OCONNOR TEXAS

MAXIMUM SUSTAINED WINDS...65 MPH

PRESENT MOVEMENT...NNW OR 340 DEGREES AT 10 MPH

MINIMUM CENTRAL PRESSURE...982 MB

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A STORM SURGE WARNING IS IN EFFECT FOR...

\* PORT MANSFIELD TO SAN LUIS PASS TEXAS

A STORM SURGE WATCH IS IN EFFECT FOR...

\* SOUTH OF PORT MANSFIELD TEXAS TO THE MOUTH OF THE RIO GRANDE

\* NORTH OF SAN LUIS PASS TO HIGH ISLAND TEXAS

A HURRICANE WARNING IS IN EFFECT FOR...

\* PORT MANSFIELD TO MATAGORDA TEXAS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* NORTH OF MATAGORDA TO HIGH ISLAND TEXAS

\* SOUTH OF PORT MANSFIELD TEXAS TO THE MOUTH OF THE RIO GRANDE

A HURRICANE WATCH IS IN EFFECT FOR...

\* SOUTH OF PORT MANSFIELD TEXAS TO THE MOUTH OF THE RIO GRANDE

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* SOUTH OF THE MOUTH OF THE RIO GRANDE TO BOCA DE CATAN MEXICO

A STORM SURGE WARNING MEANS THERE IS A DANGER OF LIFE-THREATENING INUNDATION, FROM RISING WATER MOVING INLAND FROM THE COASTLINE, DURING THE NEXT 36 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](http://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.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM- FORCE WINDS, CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A STORM SURGE WATCH MEANS THERE IS A POSSIBILITY OF LIFE-THREATENING INUNDATION, FROM RISING WATER MOVING INLAND FROM THE COASTLINE, IN THE INDICATED LOCATIONS DURING THE NEXT 48 HOURS.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

IN ADDITION, INTERESTS IN SOUTHWESTERN LOUISIANA SHOULD CONTINUE TO MONITOR THE PROGRESS OF THIS SYSTEM.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES, INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES, PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1000 AM CDT, THE CENTER OF TROPICAL STORM HARVEY WAS LOCATED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT NEAR LATITUDE 24.0 NORTH, LONGITUDE 93.3 WEST. HARVEY IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 10 MPH. A TURN TOWARD THE NORTHWEST IS EXPECTED LATER TODAY, AND HARVEY'S FORWARD SPEED IS FORECAST TO SLOW DOWN DURING THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK, HARVEY WILL APPROACH THE MIDDLE TEXAS COAST ON FRIDAY AND MAKE LANDFALL FRIDAY NIGHT OR EARLY SATURDAY, AND THEN STALL NEAR THE MIDDLE TEXAS COAST THROUGH THE WEEKEND.

DATA FROM THE HURRICANE HUNTER PLANE INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 65 MPH WITH HIGHER GUSTS. RAPID STRENGTHENING IS FORECAST, AND HARVEY IS EXPECTED TO BECOME A MAJOR HURRICANE BEFORE IT REACHES THE MIDDLE TEXAS COAST.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 90 MILES FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE BASED ON RECONNAISSANCE DATA IS 982 MB.

#### HAZARDS AFFECTING LAND

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RAINFALL: HARVEY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 12 TO 20 INCHES AND ISOLATED MAXIMUM AMOUNTS OF 30 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 12 INCHES IN FAR SOUTH TEXAS AND THE TEXAS HILL COUNTRY TO CENTRAL LOUISIANA, WITH ACCUMULATIONS OF LESS THAN 5 INCHES EXTENDING INTO OTHER PARTS OF TEXAS AND THE LOWER MISSISSIPPI VALLEY. RAINFALL FROM HARVEY MAY CAUSE 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...

N ENTRANCE PADRE ISLAND NATL SEASHORE TO SARGENT...6 TO 10 FT

SARGENT TO SAN LUIS PASS...5 TO 7 FT

PORT MANSFIELD TO N ENTRANCE PADRE ISLAND NATL SEASHORE...5 TO 7 FT

SAN LUIS PASS TO HIGH ISLAND...2 TO 4 FT

MOUTH OF THE RIO GRANDE TO PORT MANSFIELD...2 TO 4 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 LIKELY WITHIN THE HURRICANE WARNING AREA LATE FRIDAY OR FRIDAY NIGHT, WITH TROPICAL STORM CONDITIONS EXPECTED TO FIRST REACH THE COAST IN THE HURRICANE WARNING AREA FRIDAY.

SURF: SWELLS GENERATED BY HARVEY ARE LIKELY TO AFFECT THE TEXAS, LOUISIANA, AND NORTHEAST MEXICO COASTS BY FRIDAY. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

NEXT ADVISORY

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NEXT INTERMEDIATE ADVISORY AT 100 PM CDT.

NEXT COMPLETE ADVISORY AT 400 PM CDT.

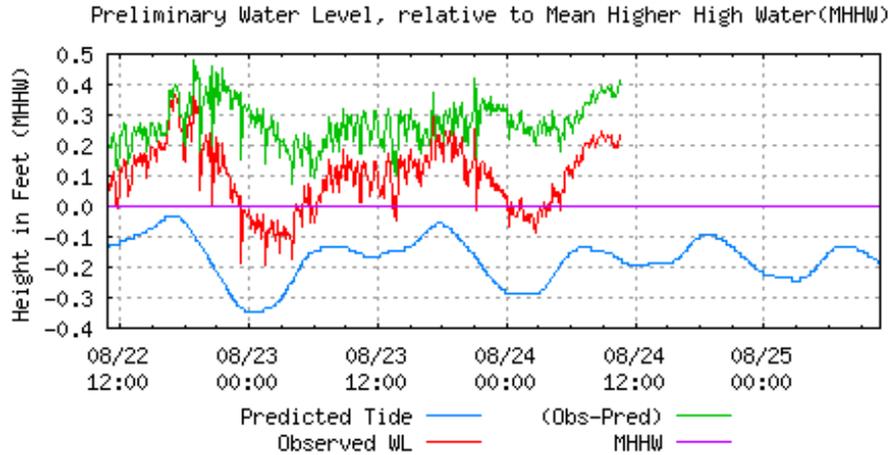
FORECASTER BERG

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: [Matagorda City - Water Level](#), [Matagorda City - Winds](#), [Matagorda City - Barometric](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - 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](#), [SPI Brazos Santiago - Water Level](#), [SPI Brazos Santiago - Winds](#), [SPI Brazos Santiago - Barometric](#), [Freeport - Water Level](#), [Freeport - Winds](#), [Freeport - Barometric](#), [Galveston Bay Entrance, North Jetty - Water Level](#), [Galveston Bay Entrance, North Jetty - Winds](#), [Galveston Bay Entrance, North Jetty - Barometric](#), [Rollover Pass - Water Level](#), [Rollover Pass - Winds](#), [Rollover Pass - 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 8773146 Matagorda City, TX



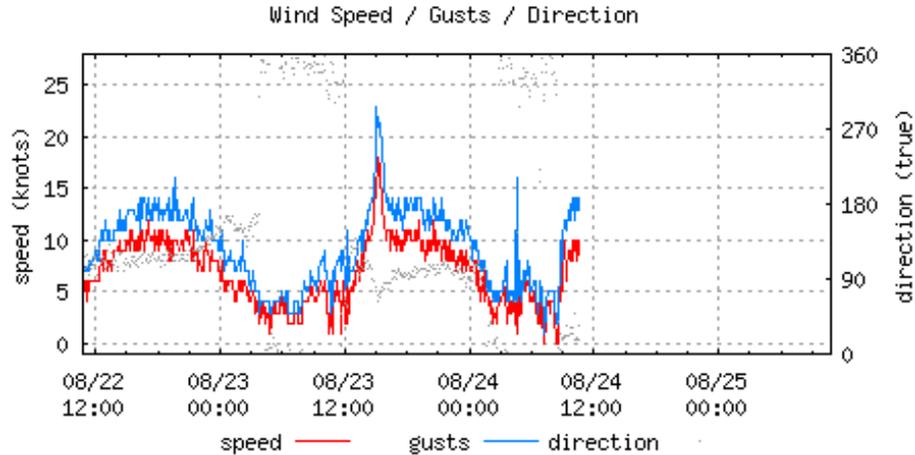
Last Observed Sample: 08/24/2017 10:36 (CDT). Data relative to MHHW

Observed: 0.23 ft. Predicted: -0.17 ft. Residual: 0.40 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/24/2017 18:42 (CDT), -0.09 ft.

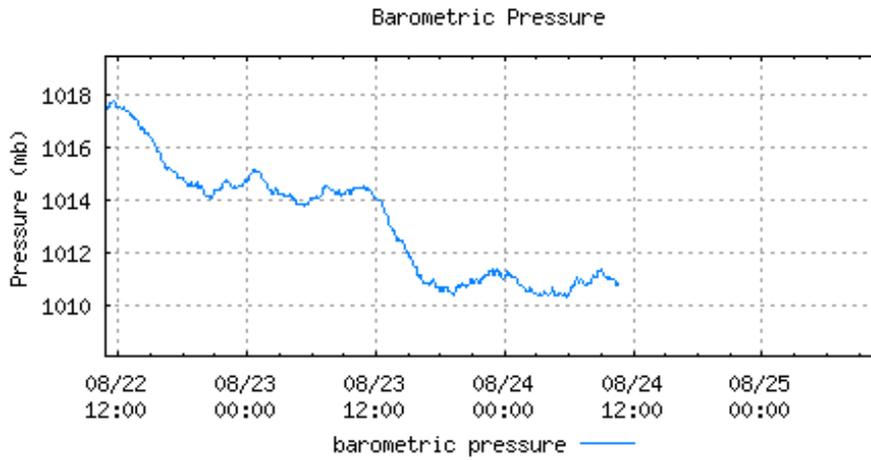
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/24/2017 10:36 (CDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 17° T

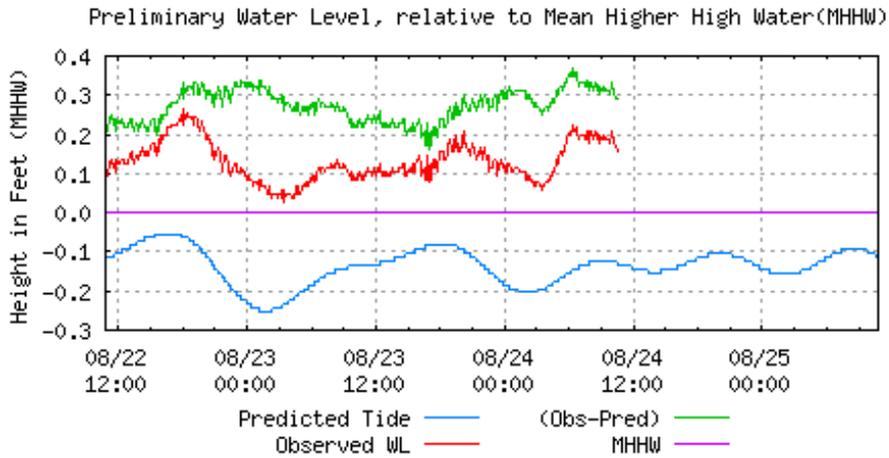
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/24/2017 10:36 (CDT)

Barometric Pressure: 1010.9 mb

NOAA/NOS/CO-OPS 8774770 Rockport, TX



Last Observed Sample: 08/24/2017 10:36 (CDT). Data relative to MHHW

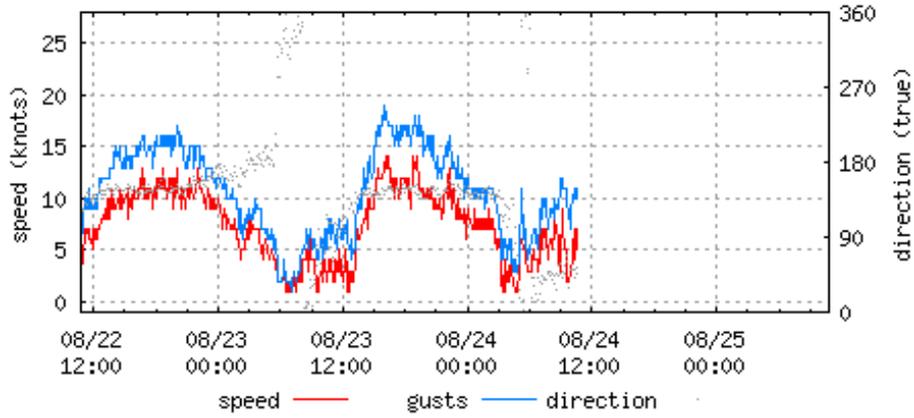
Observed: 0.16 ft. Predicted: -0.13 ft. Residual: 0.29 ft.

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

Next High Tide: 08/24/2017 20:04 (CDT), -0.11 ft.

NOAA/NOS/CO-OPS 8774770 Rockport, TX

Wind Speed / Gusts / Direction

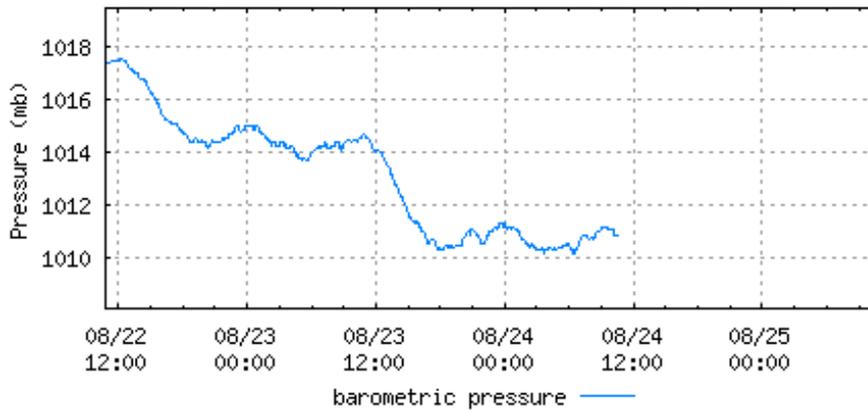


Last Observed Sample: 08/24/2017 10:36 (CDT)

Wind Speed: 7 knots Gusts: 10 knots Direction: 45° T

NOAA/NOS/CO-OPS 8774770 Rockport, TX

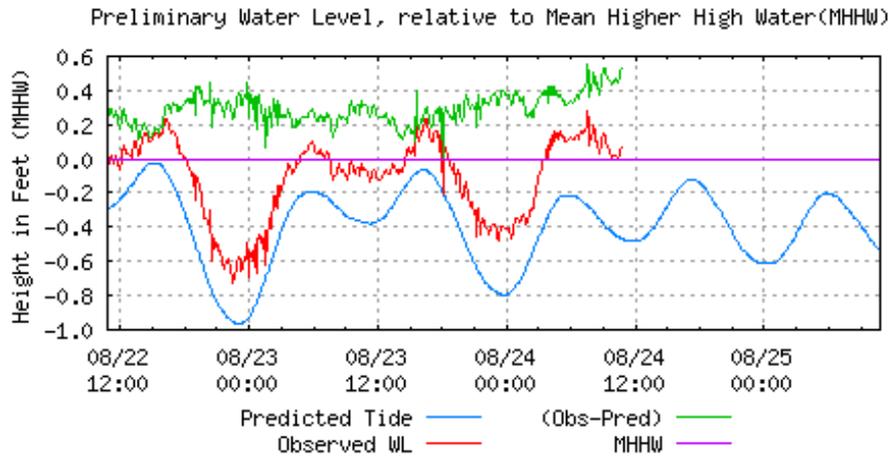
Barometric Pressure



Last Observed Sample: 08/24/2017 10:36 (CDT)

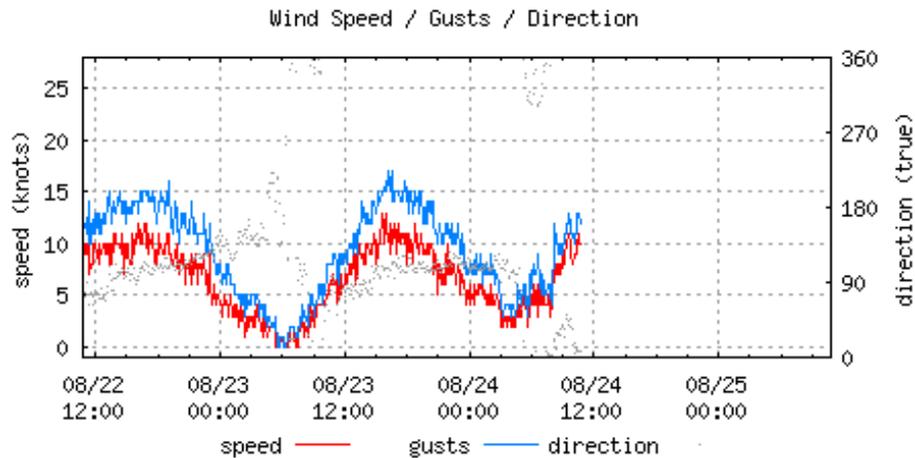
Barometric Pressure: 1010.9 mb

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



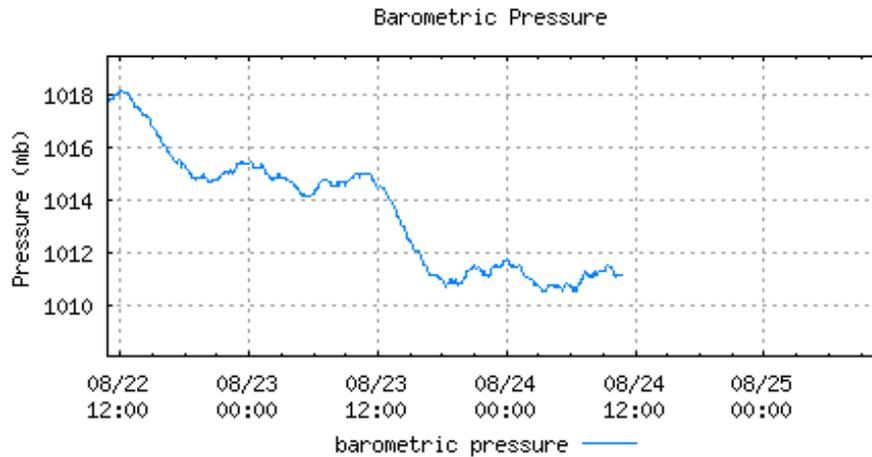
Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW  
**Observed: 0.07 ft. Predicted: -0.46 ft. Residual: 0.53 ft.**  
 Historical Maximum Water Level: n/a  
 Next High Tide: 08/24/2017 17:15 (CDT), -0.12 ft.

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



Last Observed Sample: 08/24/2017 10:42 (CDT)  
**Wind Speed: 10 knots Gusts: 12 knots Direction: 8° T**

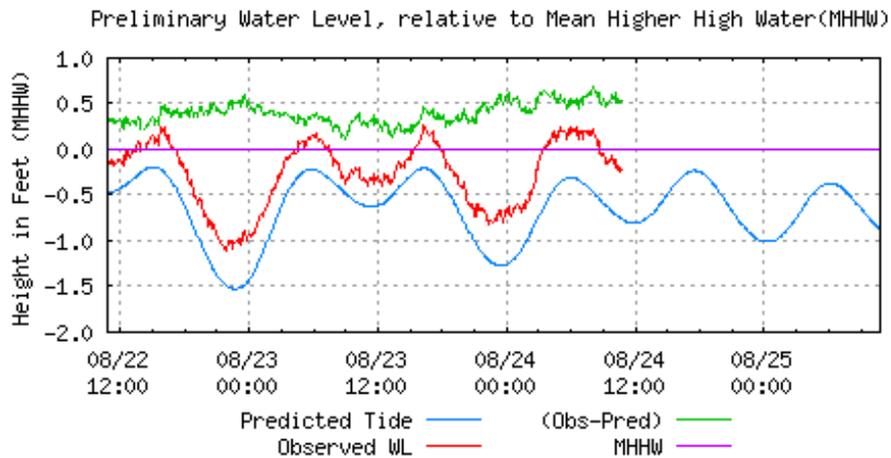
NOAA/NOS/CO-OPS 8775237 Port Aransas, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)

Barometric Pressure: 1011.2 mb

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



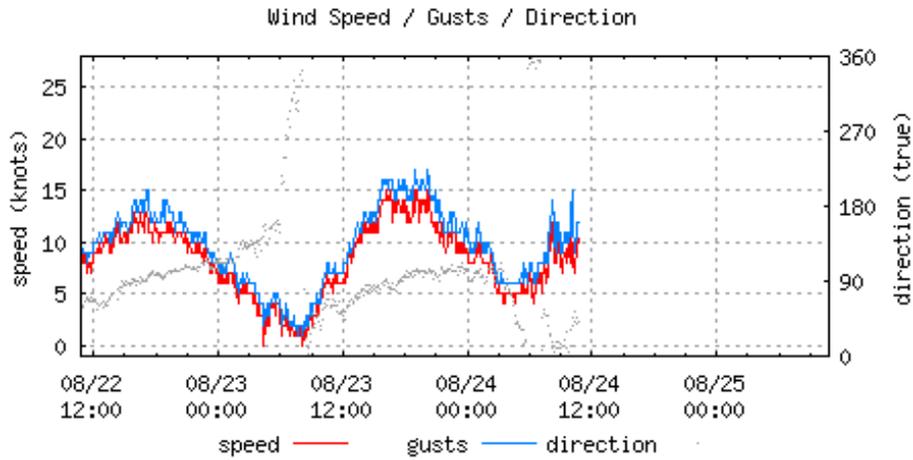
Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW

Observed: -0.23 ft. Predicted: -0.76 ft. Residual: 0.53 ft.

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

Next High Tide: 08/24/2017 17:29 (CDT), -0.23 ft.

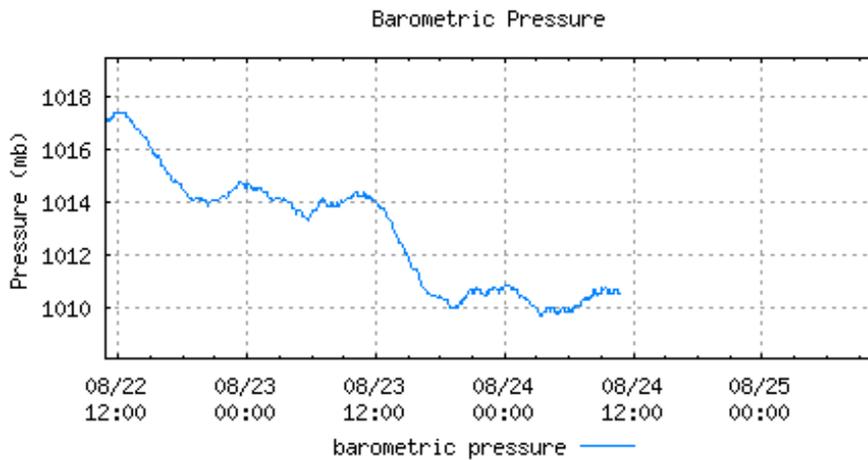
NOAA/NOS/CO-OPS 8775870 Bob Hall Pier, Corpus Christi, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)

Wind Speed: 10 knots Gusts: 12 knots Direction: 41° T

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

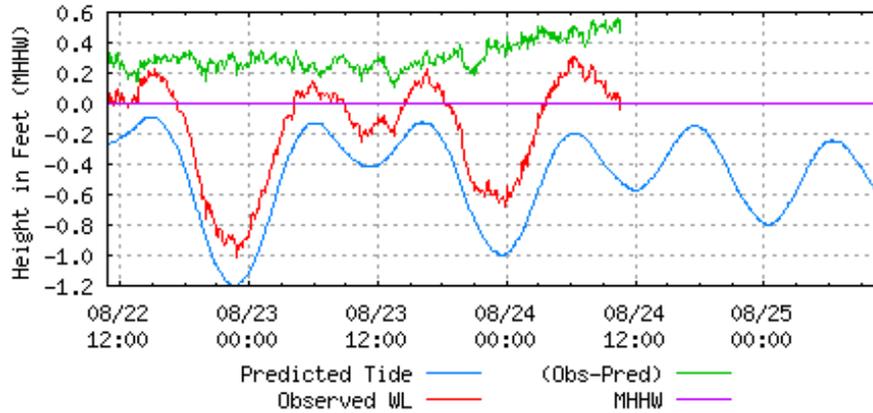


Last Observed Sample: 08/24/2017 10:42 (CDT)

Barometric Pressure: 1010.6 mb

NOAA/NOS/CO-OPS 8779749 SPI Brazos Santiago, TX

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



Last Observed Sample: 08/24/2017 10:36 (CDT). Data relative to MHHW

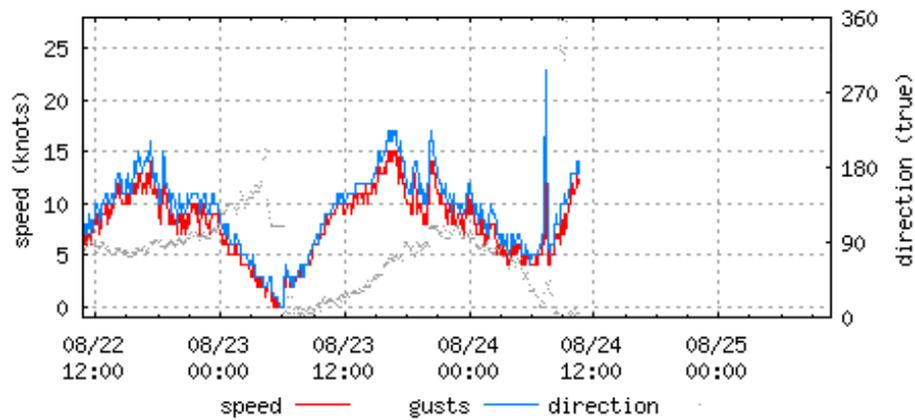
Observed: -0.04 ft. Predicted: -0.51 ft. Residual: 0.47 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/24/2017 17:29 (CDT), -0.15 ft.

NOAA/NOS/CO-OPS 8779749 SPI Brazos Santiago, TX

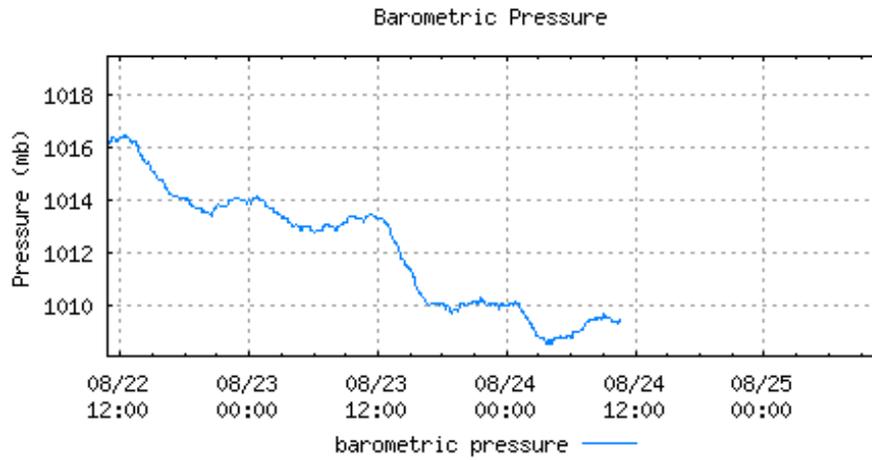
Wind Speed / Gusts / Direction



Last Observed Sample: 08/24/2017 10:36 (CDT)

Wind Speed: 12 knots Gusts: 14 knots Direction: 6° T

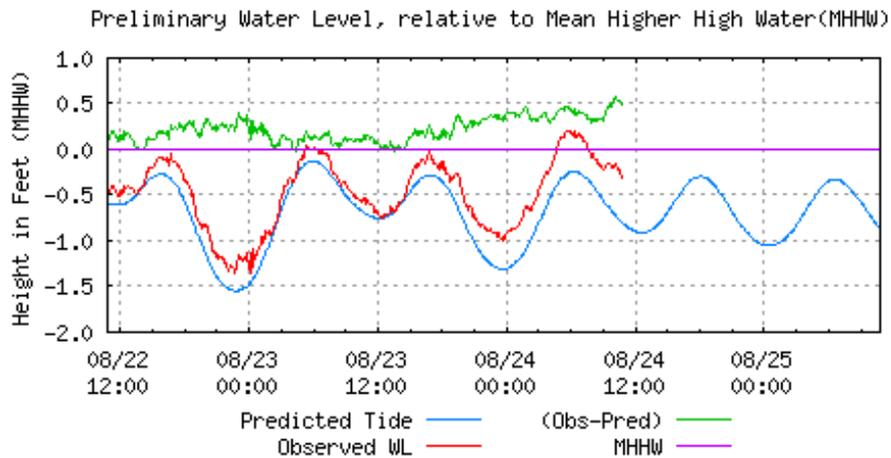
NOAA/NOS/CO-OPS 8779749 SPI Brazos Santiago, TX



Last Observed Sample: 08/24/2017 10:36 (CDT)

Barometric Pressure: 1009.5 mb

NOAA/NOS/CO-OPS 8772447 Freeport, TX



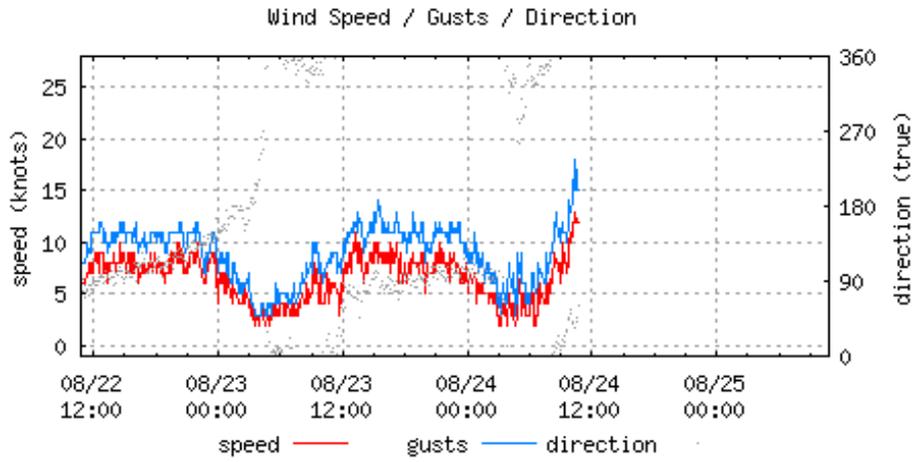
Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW

Observed: -0.30 ft. Predicted: -0.79 ft. Residual: 0.49 ft.

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

Next High Tide: 08/24/2017 18:02 (CDT), -0.29 ft.

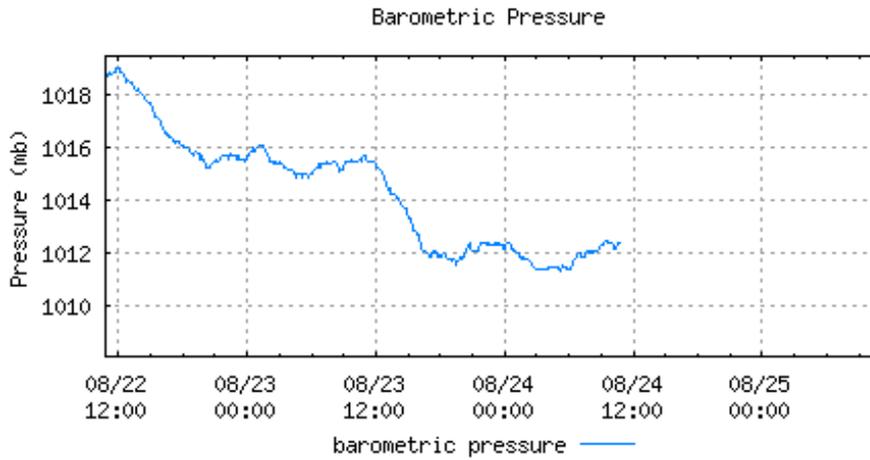
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)

Wind Speed: 12 knots Gusts: 15 knots Direction: 61° T

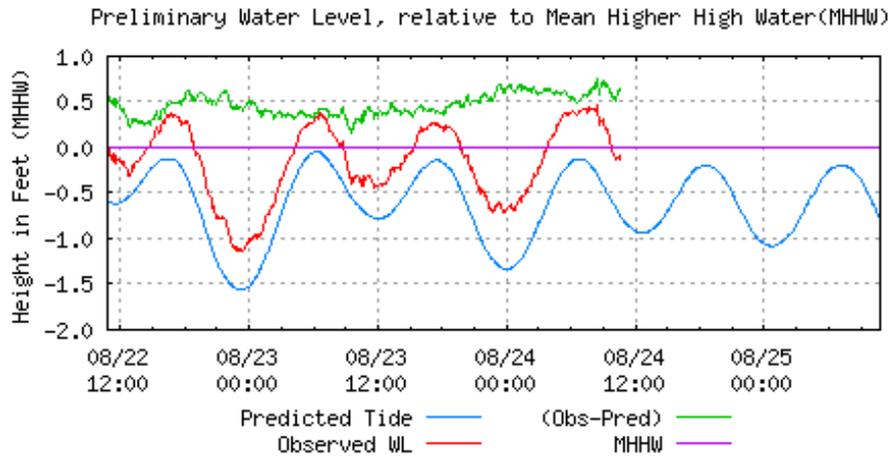
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)

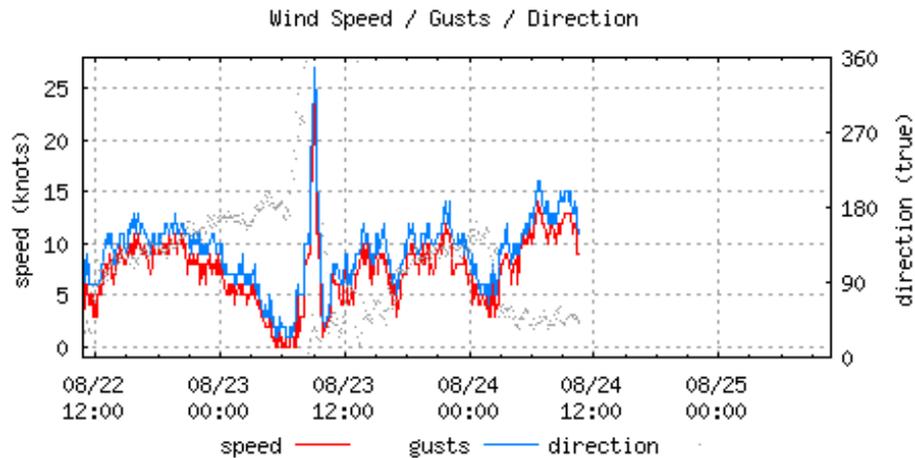
Barometric Pressure: 1012.4 mb

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



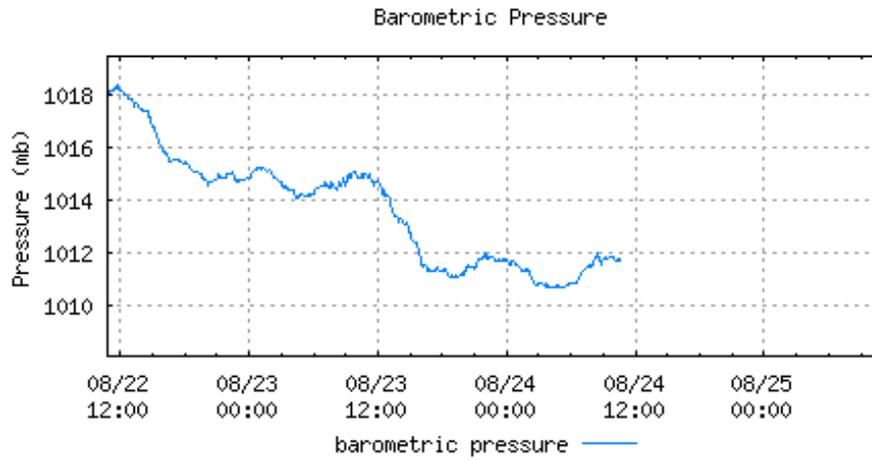
Last Observed Sample: 08/24/2017 10:36 (CDT). Data relative to MHHW  
**Observed: -0.13 ft. Predicted: -0.75 ft. Residual: 0.62 ft.**  
 Historical Maximum Water Level: Jul 15 2003, 4.08 ft.  
 Next High Tide: 08/24/2017 18:34 (CDT), -0.20 ft.

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



Last Observed Sample: 08/24/2017 10:36 (CDT)  
**Wind Speed: 9 knots Gusts: 11 knots Direction: 43° T**

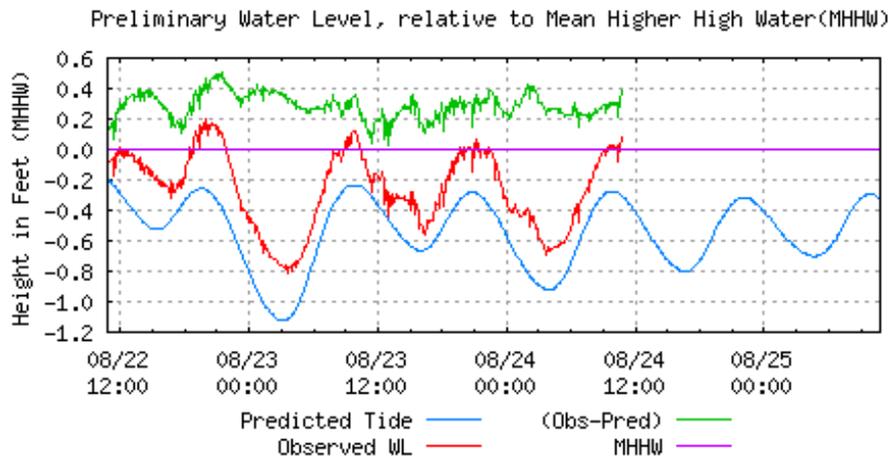
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/24/2017 10:36 (CDT)

Barometric Pressure: 1011.8 mb

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



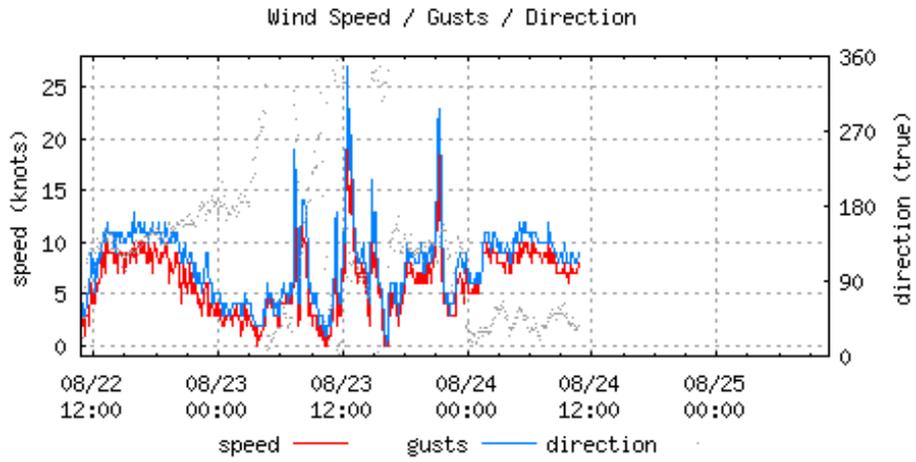
Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW

Observed: 0.07 ft. Predicted: -0.31 ft. Residual: 0.38 ft.

Historical Maximum Water Level: n/a

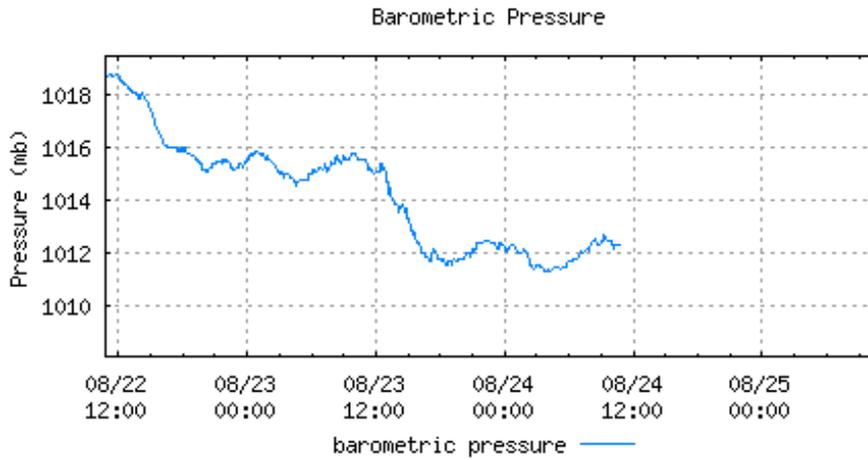
Next High Tide: 08/24/2017 22:05 (CDT), -0.32 ft.

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



Last Observed Sample: 08/24/2017 10:42 (CDT)  
Wind Speed: 8 knots Gusts: 9 knots Direction: 36° T

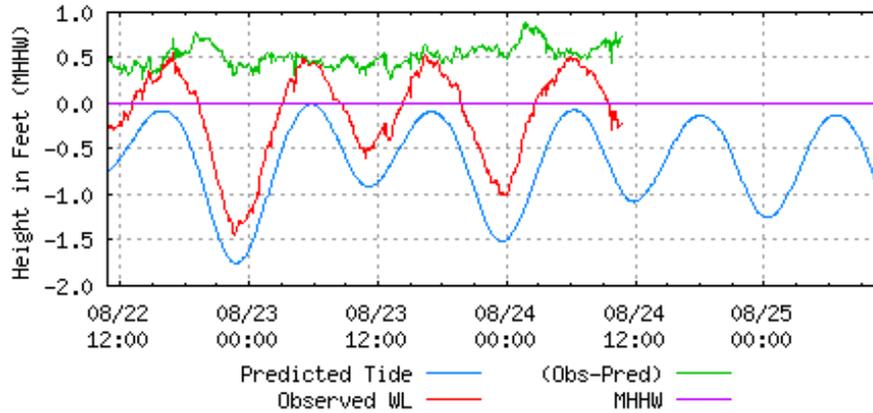
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)  
Barometric Pressure: 1012.3 mb

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

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



Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW

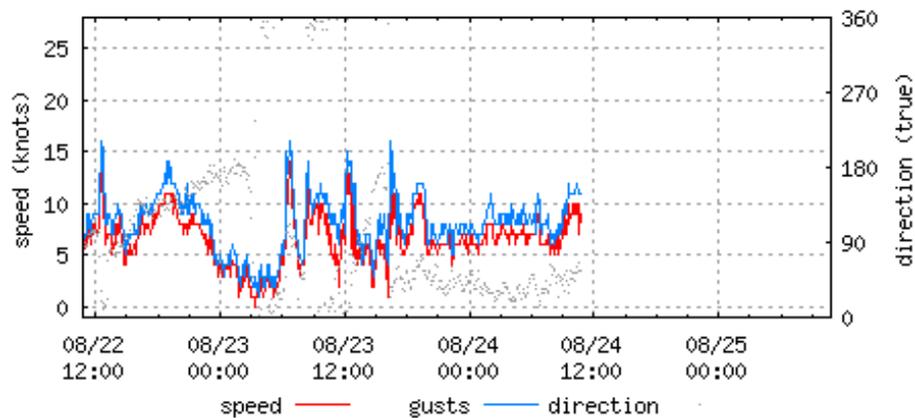
Observed: -0.22 ft. Predicted: -0.96 ft. Residual: 0.74 ft.

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

Next High Tide: 08/24/2017 18:01 (CDT), -0.14 ft.

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

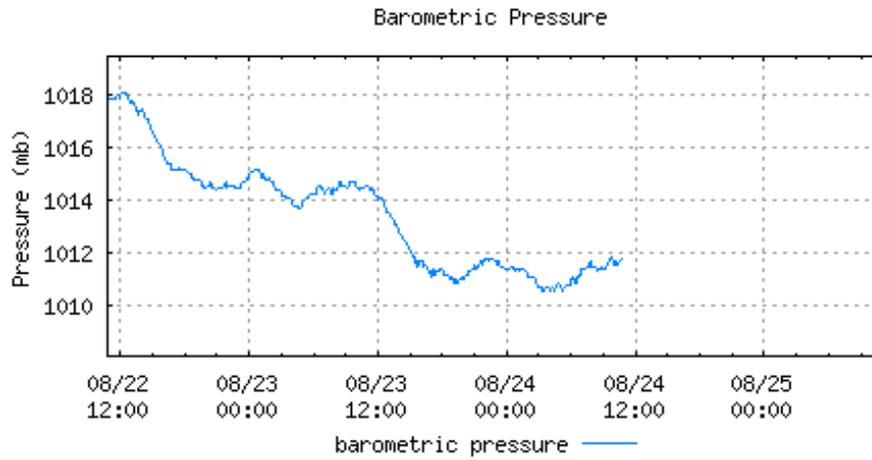
Wind Speed / Gusts / Direction



Last Observed Sample: 08/24/2017 10:42 (CDT)

Wind Speed: 9 knots Gusts: 11 knots Direction: 57° T

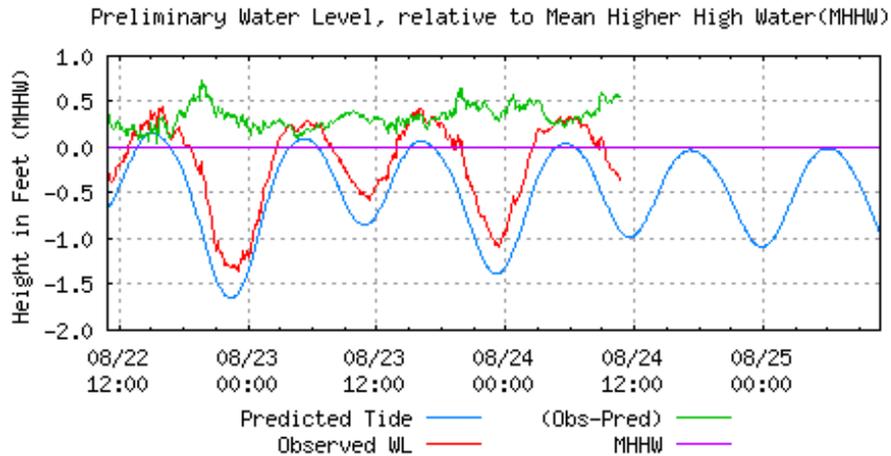
NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX



Last Observed Sample: 08/24/2017 10:42 (CDT)

Barometric Pressure: 1011.8 mb

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



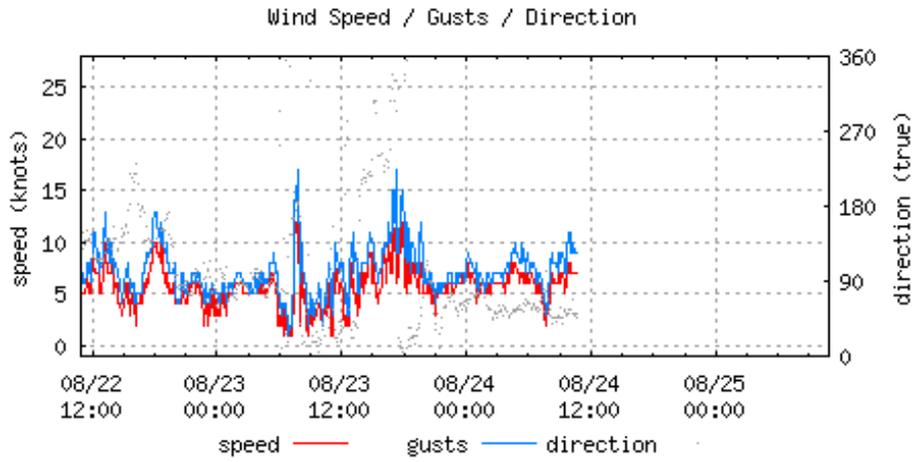
Last Observed Sample: 08/24/2017 10:42 (CDT). Data relative to MHHW

Observed: -0.35 ft. Predicted: -0.91 ft. Residual: 0.56 ft.

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

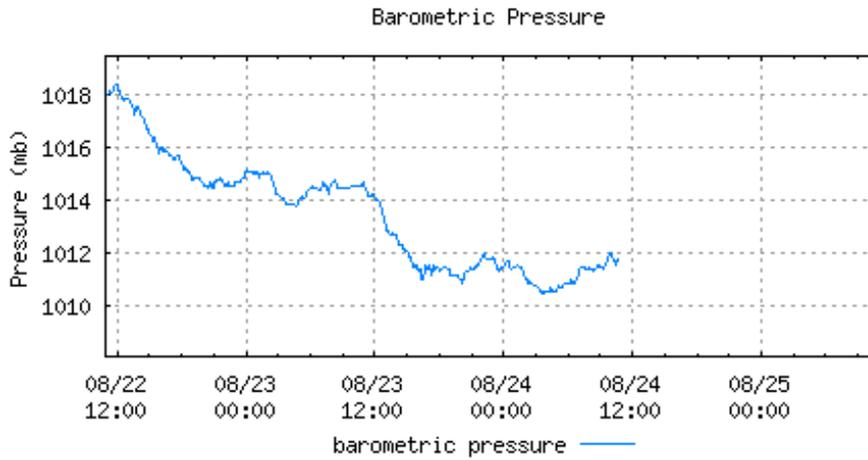
Next High Tide: 08/24/2017 17:12 (CDT), -0.04 ft.

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



Last Observed Sample: 08/24/2017 10:42 (CDT)  
Wind Speed: 7 knots    Gusts: 9 knots    Direction: 47° T

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



Last Observed Sample: 08/24/2017 10:42 (CDT)  
Barometric Pressure: 1011.8 mb

Latest Water Level Observations on MHHW

<b>Station ID</b>	<b>Station Name</b>	<b>Date/Time</b>	<b>Observed Water Level</b>	<b>Predicted Tide</b>	<b>Residual Water Level</b>	<b>24 Hour Maximum Storm Tide</b>
8773146	Matagorda City, TX	08/24/2017 10:36 (CDT)	0.23 ft	-0.17 ft	0.40 ft	0.31 ft
8774770	Rockport, TX	08/24/2017 10:36 (CDT)	0.16 ft	-0.13 ft	0.29 ft	0.23 ft
8775237	Port Aransas, TX	08/24/2017 10:42 (CDT)	0.07 ft	-0.46 ft	0.53 ft	0.32 ft
8775870	Bob Hall Pier, Corpus Christi, TX	08/24/2017 10:42 (CDT)	-0.23 ft	-0.76 ft	0.53 ft	0.26 ft
8779749	SPI Brazos Santiago, TX	08/24/2017 10:36 (CDT)	-0.04 ft	-0.51 ft	0.47 ft	0.30 ft
8772447	Freeport, TX	08/24/2017 10:42 (CDT)	-0.30 ft	-0.79 ft	0.49 ft	0.20 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/24/2017 10:36 (CDT)	-0.13 ft	-0.75 ft	0.62 ft	0.46 ft
8770971	Rollover Pass, TX	08/24/2017 10:42 (CDT)	0.07 ft	-0.31 ft	0.38 ft	0.07 ft
8770822	Texas Point, Sabine Pass, TX	08/24/2017 10:42 (CDT)	-0.22 ft	-0.96 ft	0.74 ft	0.53 ft
8768094	Calcasieu Pass, LA	08/24/2017 10:42 (CDT)	-0.35 ft	-0.91 ft	0.56 ft	0.43 ft

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