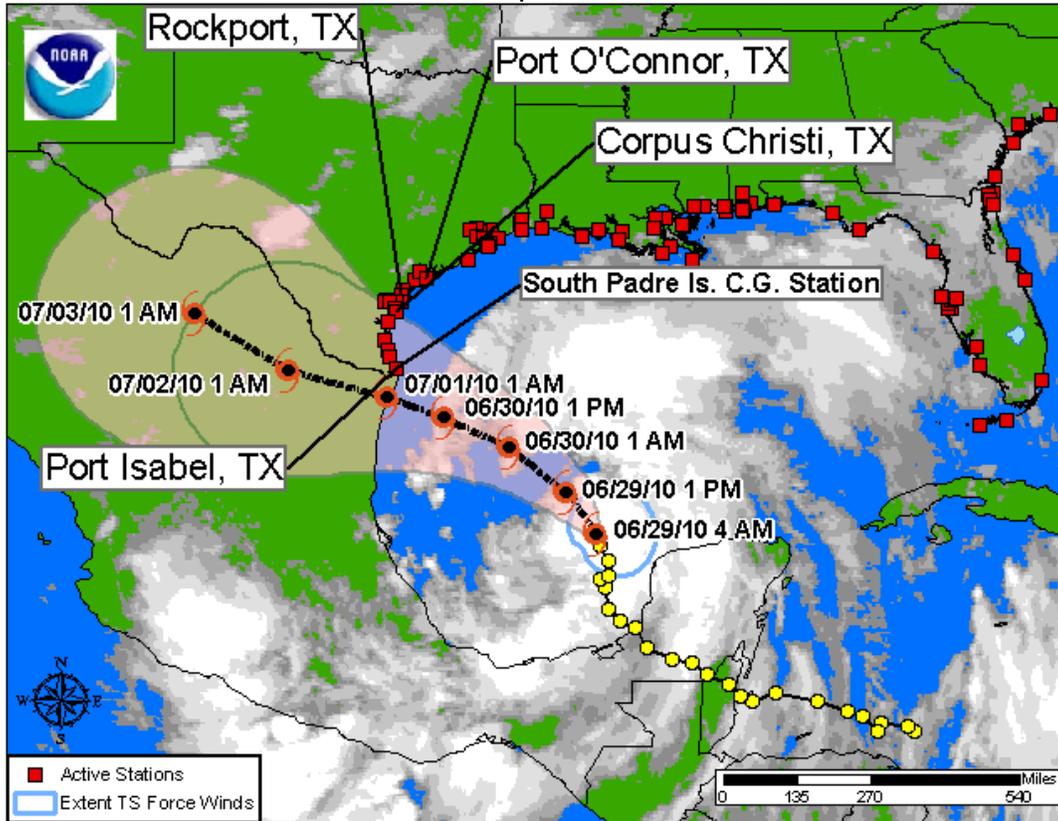




Tropical Storm ALEX QuickLook  
Posted: 07:00 CDT 06/29/2010



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of Posting 06/29/2010 0700 CDT, water levels from Southern Texas are increasing. Southern Texas tide levels are rising and range between 0.5 and 1.0 ft above predicted.. Winds are steady. Barometric pressure continues to gradually fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Port Isabel, TX: Next predicted high tides are 1.20 ft (0.36 m) at 06/29/2010 09:31 CDT and 1.09 ft (0.33 m) at 06/30/2010 09:20 CDT.

South Padre Island Coast Guard Station, TX: Next predicted high tides are 0.99 ft (0.30 m) at 06/29/2010 09:19 CDT and 0.91 ft (0.28 m) at 06/30/2010 09:06 CDT.

Corpus Christi, TX: Next predicted high tides are 1.32 ft (0.40 m) at 06/30/2010 07:51 CDT and 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT.

Rockport, TX: Next predicted high tides are 0.24 ft (0.07 m) at 06/29/2010 17:42 CDT and 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT.

Port O'Connor, TX: Next predicted high tides are 0.54 ft (0.16 m) at 06/29/2010 12:36 CDT and 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT.

or 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: MPM

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TROPICAL STORM ALEX ADVISORY NUMBER 15  
400 AM CDT TUE JUN 29 2010

...ALEX SLOWLY STRENGTHENING AS IT MOVES OVER THE SOUTHWESTERN GULF OF MEXICO...

LOCATION  
ABOUT 460 MI SE OF BROWNSVILLE TEXAS NEAR LATITUDE 21.7  
NORTH...LONGITUDE 91.9 WEST.

WATCHES AND WARNINGS

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A HURRICANE WARNING IS IN EFFECT FOR...  
\* THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE

A TROPICAL STORM WARNING IN IN EFFECT FOR...  
\* THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR

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.

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.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 AM CDT THE CENTER OF TROPICAL STORM ALEX WAS LOCATED NEAR LATITUDE 21.7 NORTH...LONGITUDE 91.9 WEST. ALEX IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 8 MPH. A TURN TOWARD THE NORTHWEST IS EXPECTED LATER TODAY...FOLLOWED BY A GRADUAL TURN TOWARD THE WEST-NORTHWEST ON WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ALEX IS LIKELY TO BECOME A HURRICANE LATER TODAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES MAINLY NORTHEAST THROUGH SOUTHEAST OF THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 984 MB...29.06 INCHES.

HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO APPROACH THE COAST WITHIN THE HURRICANE AND TROPICAL STORM WARNING AREAS ON WEDNESDAY...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE AS FAR INLAND AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE WATER MOVES INLAND. NEAR

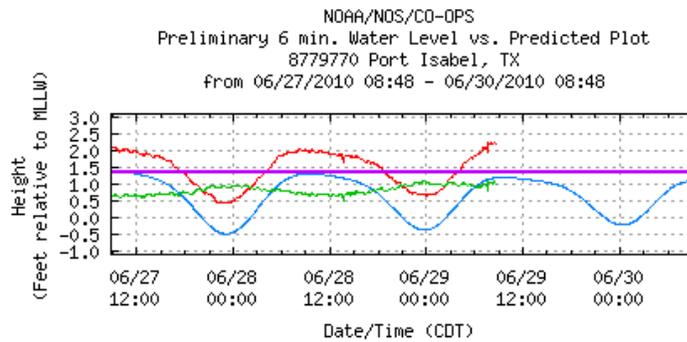
THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

FORECASTER STEWART

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.

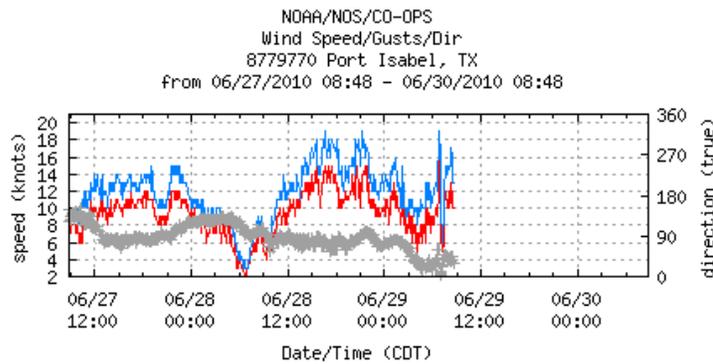
Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [South Padre Island C.G Station - Winds](#), [South Padre Island C.G Station - Barometric](#), [South Padre Island C.G Station - Air/Water Temp](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#), [Rockport - Air/Water Temp](#), [Port O'Connor - Water Level](#), [Port O'Connor - Winds](#), [Port O'Connor - Air/Water Temp](#),

[Port Isabel, TX - Return to List](#)



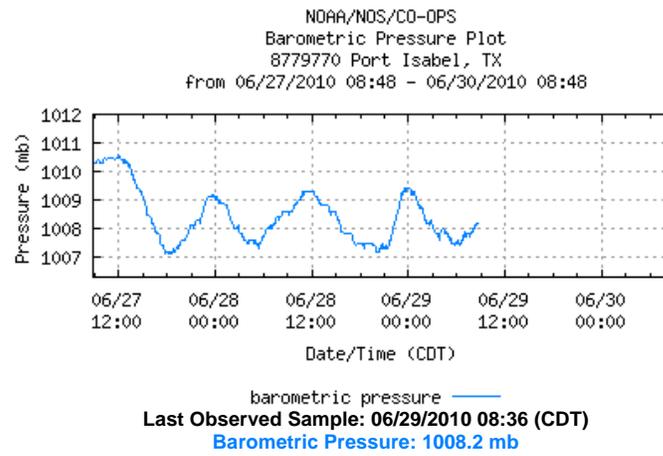
Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
 Relative to **MLLW: Observed: 2.19 ft. Predicted: 1.18 ft. Residual: 1.01 ft.**  
 Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

[Port Isabel, TX - Return to List](#)

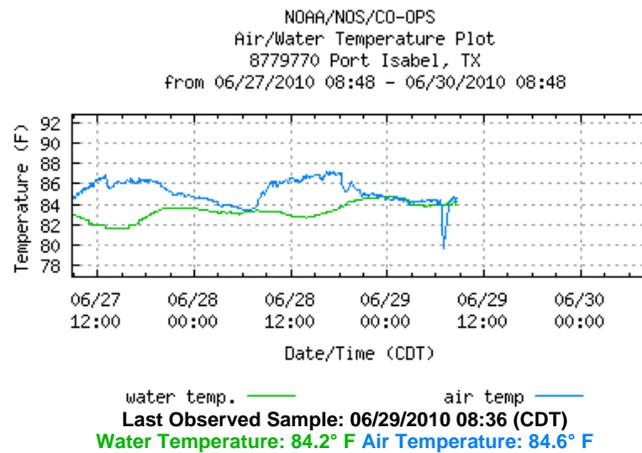


speed — gusts — direction +  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Wind Speed: 10 knots Gusts: 13 knots Direction: 031° T**

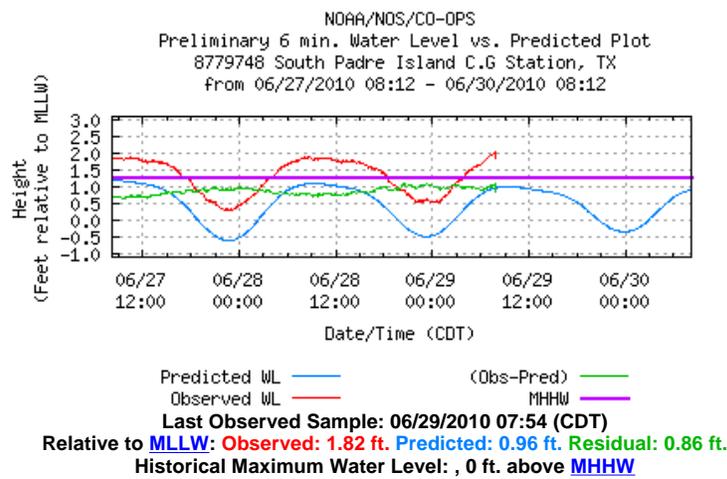
[Port Isabel, TX - Return to List](#)



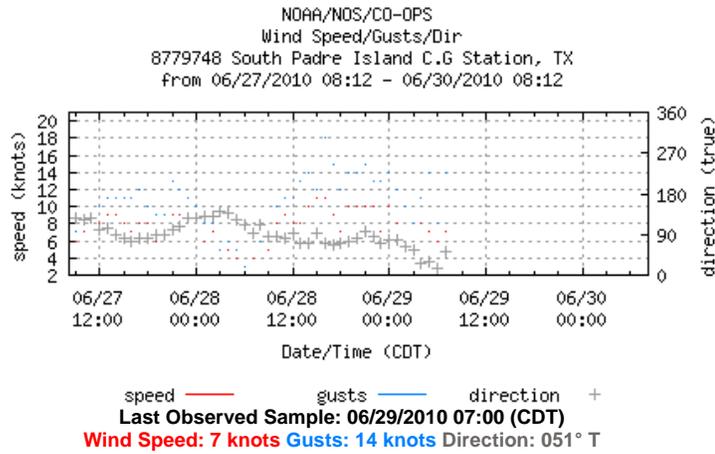
[Port Isabel, TX - Return to List](#)



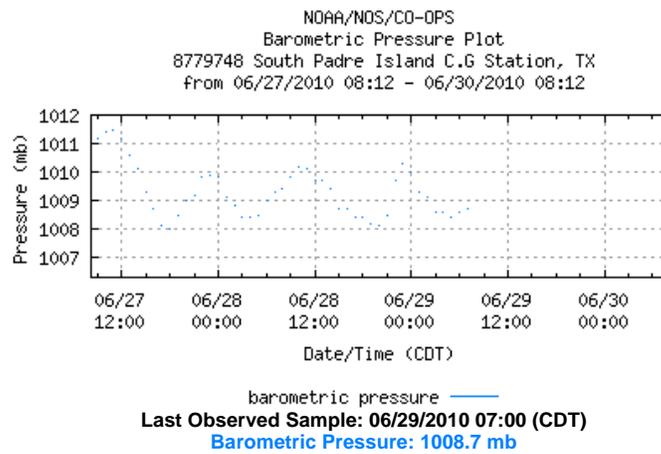
[South Padre Island C.G Station, TX - Return to List](#)



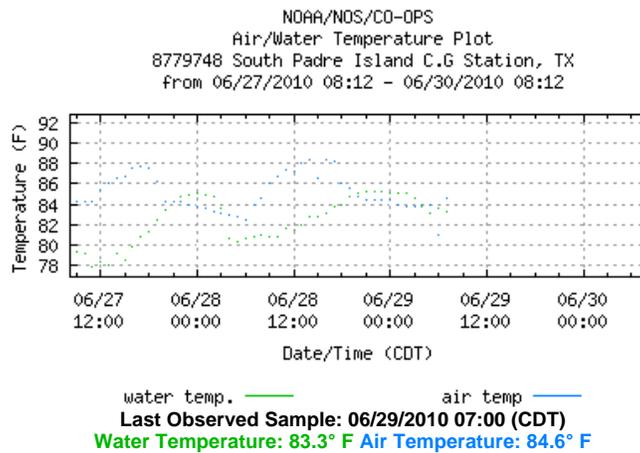
[South Padre Island C.G Station, TX - Return to List](#)



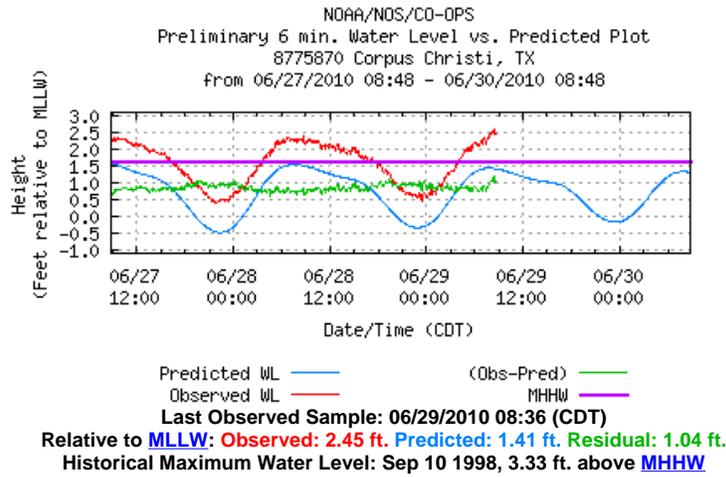
[South Padre Island C.G Station, TX - Return to List](#)



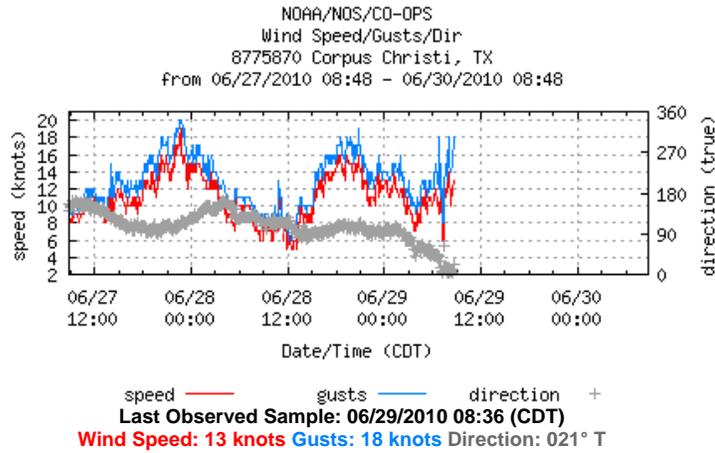
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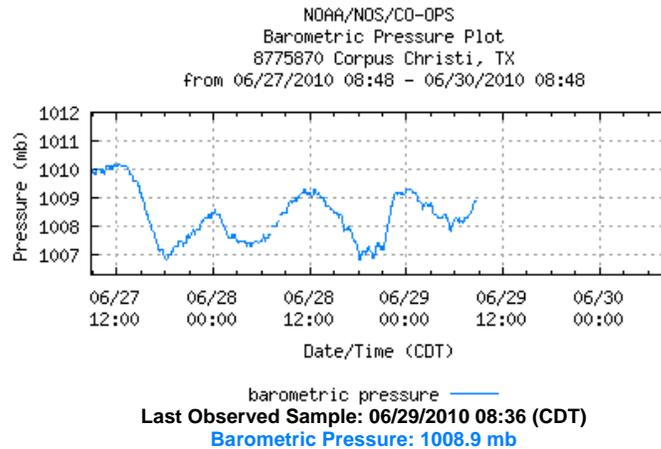
[Corpus Christi, TX - Return to List](#)



[Corpus Christi, TX - Return to List](#)

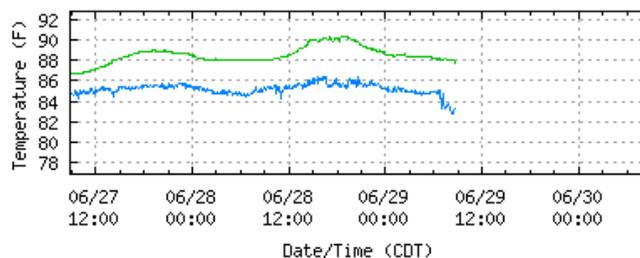


[Corpus Christi, TX - Return to List](#)



[Corpus Christi, TX - Return to List](#)

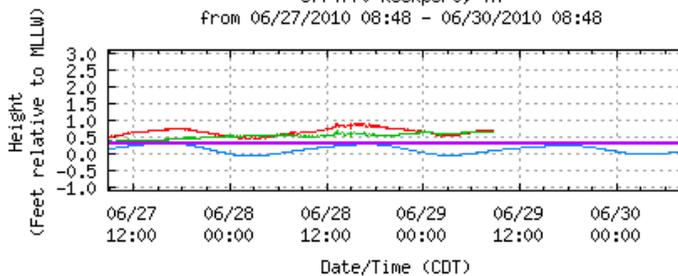
NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8775870 Corpus Christi, TX  
 from 06/27/2010 08:48 - 06/30/2010 08:48



water temp. — water temp. — air temp —  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Water Temperature: 87.8° F Air Temperature: 83.3° F**

[Rockport, TX - Return to List](#)

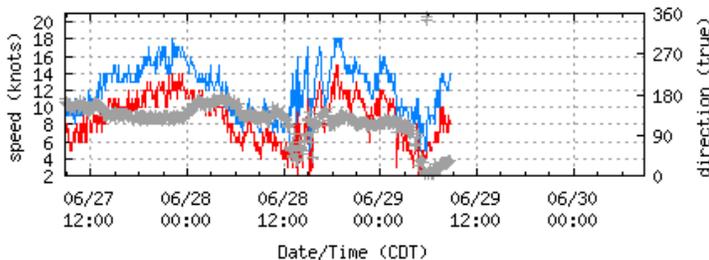
NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8774770 Rockport, TX  
 from 06/27/2010 08:48 - 06/30/2010 08:48



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Relative to MLLW: Observed: 0.71 ft. Predicted: 0.08 ft. Residual: 0.63 ft.**  
**Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above MHHW**

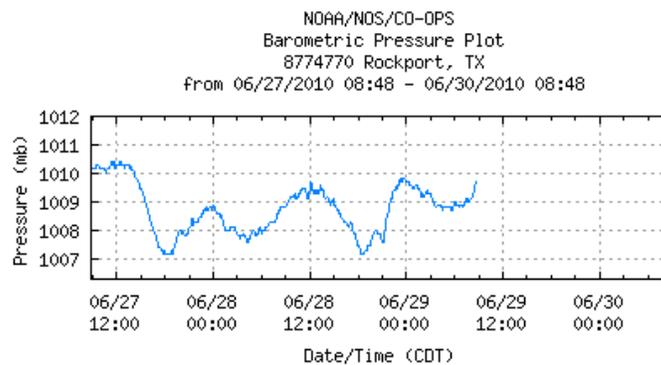
[Rockport, TX - Return to List](#)

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8774770 Rockport, TX  
 from 06/27/2010 08:48 - 06/30/2010 08:48



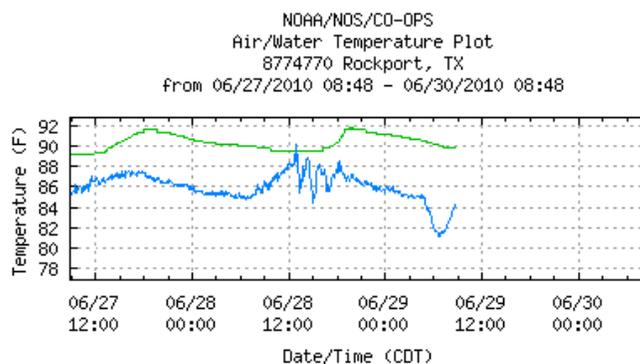
speed — gusts — direction +  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Wind Speed: 8 knots Gusts: 14 knots Direction: 034° T**

[Rockport, TX - Return to List](#)



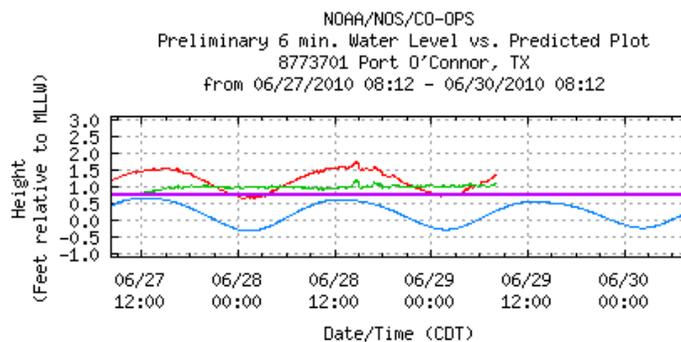
barometric pressure —  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Barometric Pressure: 1009.7 mb**

[Rockport, TX - Return to List](#)



water temp. — air temp —  
**Last Observed Sample: 06/29/2010 08:36 (CDT)**  
**Water Temperature: 89.8° F Air Temperature: 84.2° F**

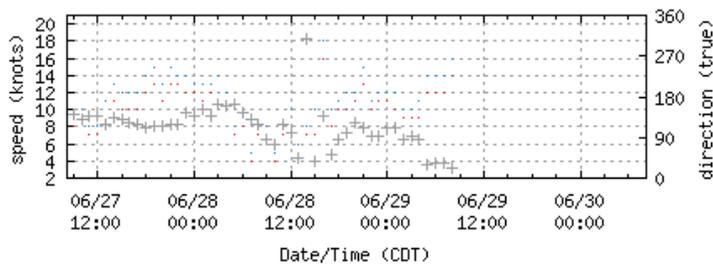
[Port O'Connor, TX - Return to List](#)



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 06/29/2010 08:00 (CDT)**  
**Relative to MLLW: Observed: 1.34 ft. Predicted: 0.27 ft. Residual: 1.07 ft.**  
**Historical Maximum Water Level: , 0 ft. above MHHW**

[Port O'Connor, TX - Return to List](#)

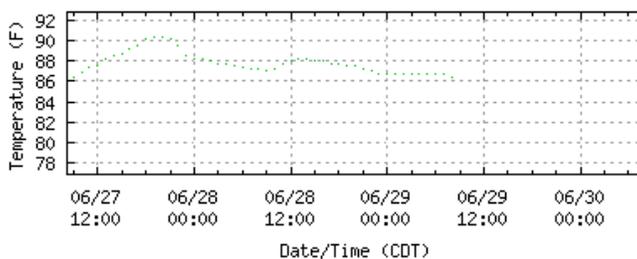
NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8773701 Port O'Connor, TX  
 from 06/27/2010 08:12 - 06/30/2010 08:12



speed — gusts — direction +  
**Last Observed Sample: 06/29/2010 08:00 (CDT)**  
**Wind Speed: 14 knots Gusts: 16 knots Direction: 023° T**

[Port O'Connor, TX - Return to List](#)

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8773701 Port O'Connor, TX  
 from 06/27/2010 08:12 - 06/30/2010 08:12



water temp. — air temp —  
**Last Observed Sample: 06/27/2010 08:12 (CDT)**  
**Water Temperature: n/a Air Temperature: n/a**

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