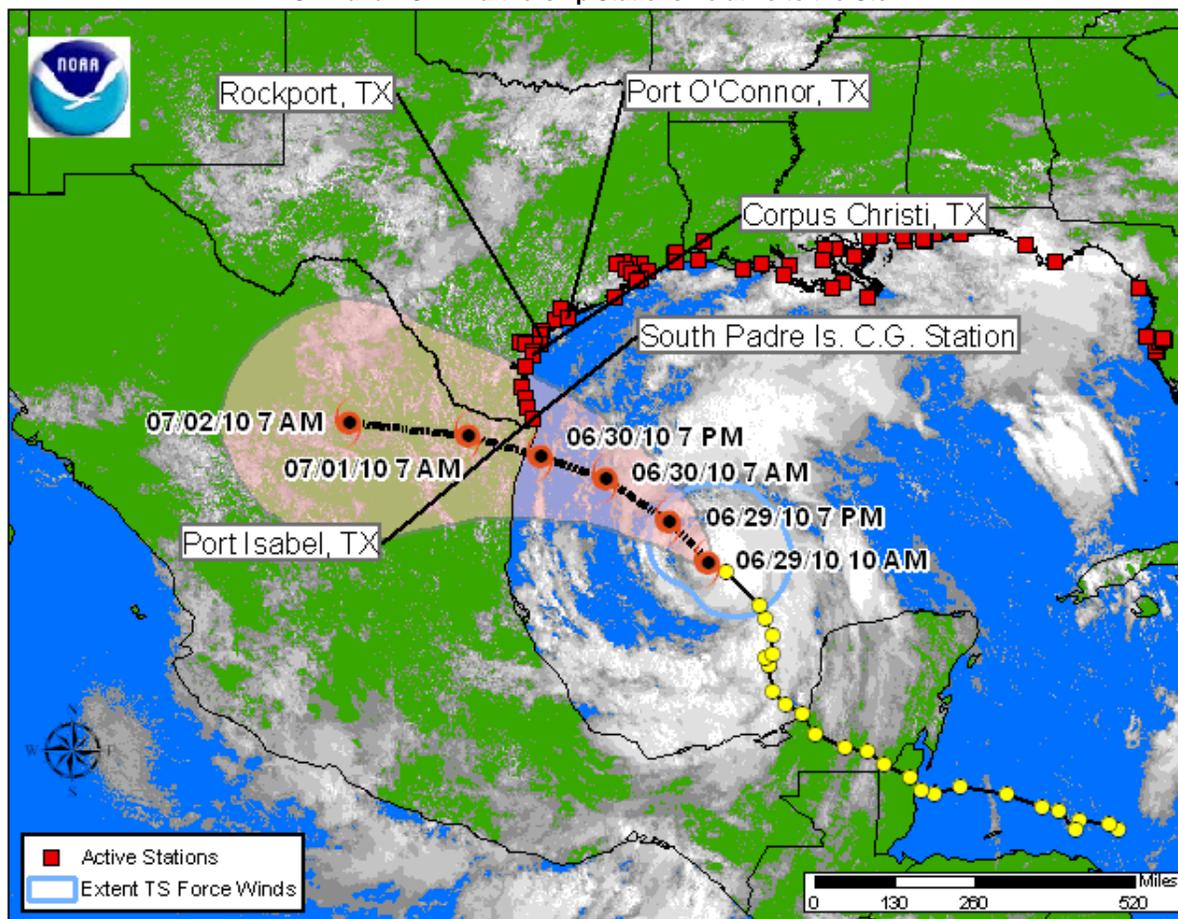




Tropical Storm ALEX QuickLook

Posted: 11:30 CDT 06/29/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of Posting 06/29/2010 1130 CDT, water levels from Southern Texas are increasing. Southern Texas tide levels are rising and range between 0.5 and just over 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 1.09 ft (0.33 m) at 06/30/2010 09:20 CDT and 1.00 ft (0.30 m) at 07/01/2010 09:09 CDT.

South Padre Island Coast Guard Station, TX: Next predicted high tides are 0.91 ft (0.28 m) at 06/30/2010 09:06 CDT and 0.84 ft (0.26 m) at 07/01/2010 08:58 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:WFR

TROPICAL STORM ALEX ADVISORY NUMBER 16
1000 AM CDT TUE JUN 29 2010

...ALEX NOW MOVING TOWARD THE NORTHWEST WITH WINDS JUST BELOW HURRICANE STRENGTH...

WATCHES AND WARNINGS

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 IS IN EFFECT FOR...

* THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR

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

AT 1000 AM CDT THE CENTER OF TROPICAL STORM ALEX WAS LOCATED ABOUT 355 MI SE OF BROWNSVILLE TEXAS. ALEX IS NOW MOVING TOWARD THE NORTHWEST NEAR 12 MPH. A GRADUAL TURN TOWARD THE WEST-NORTHWEST IS EXPECTED ON WEDNESDAY. ON THE FORECAST TRACK...THE CENTER OF ALEX WILL APPROACH THE COAST OF SOUTHERN TEXAS ON WEDNESDAY AND MAKE LANDFALL WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 36 HR OR SO BEFORE LANDFALL...AND ALEX IS LIKELY TO BECOME A HURRICANE LATER TODAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS 982 MB...29.00 INCHES.

HAZARDS AFFECTING LAND

RAINFALL....ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF SOUTHERN TEXAS

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.

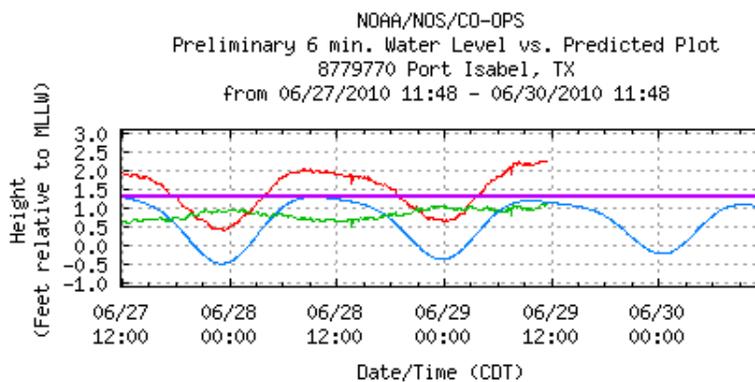
STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE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

FORECASTER 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: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [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 Isabel, TX - Return to List](#)



Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

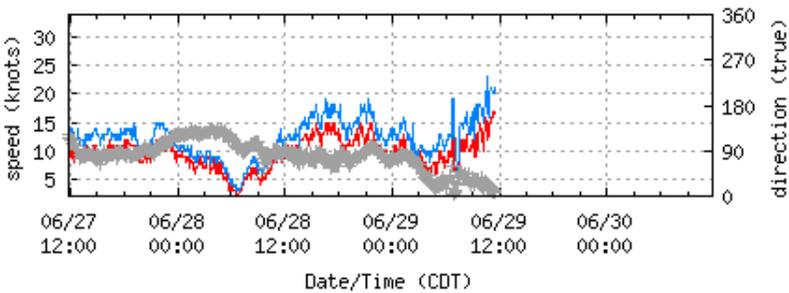
Last Observed Sample: 06/29/2010 11:30 (CDT)

Relative to [MLLW](#): Observed: 2.24 ft. Predicted: 1.16 ft. Residual: 1.08 ft.

Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above [MHHW](#)

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

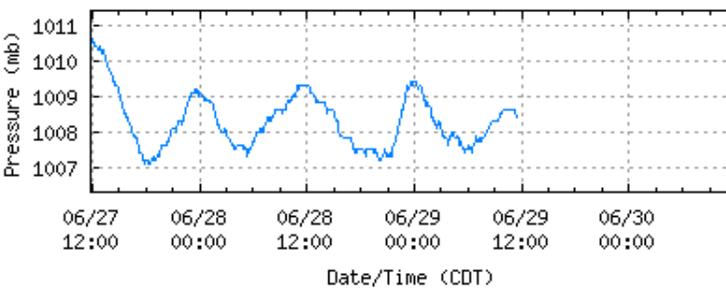
NOAA/NDS/CO-OPS
 Wind Speed/Gusts/Dir
 8779770 Port Isabel, TX
 from 06/27/2010 11:48 - 06/30/2010 11:48



speed — gusts — direction +
Last Observed Sample: 06/29/2010 11:30 (CDT)
Wind Speed: 17 knots Gusts: 20 knots Direction: 011° T

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

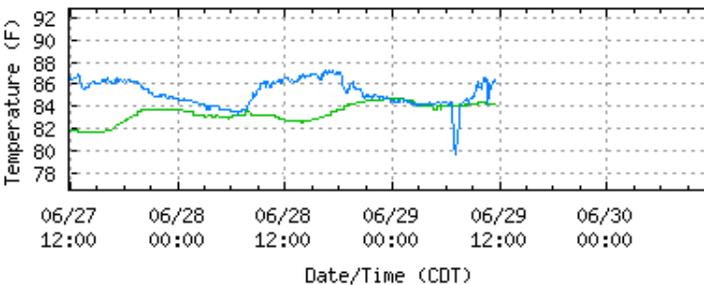
NOAA/NDS/CO-OPS
 Barometric Pressure Plot
 8779770 Port Isabel, TX
 from 06/27/2010 11:48 - 06/30/2010 11:48



barometric pressure —
Last Observed Sample: 06/29/2010 11:30 (CDT)
Barometric Pressure: 1008.4 mb

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

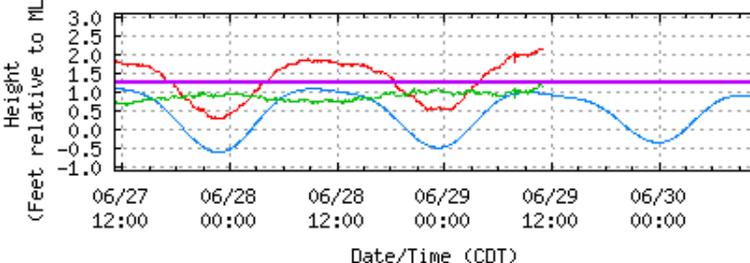
NOAA/NDS/CO-OPS
 Air/Water Temperature Plot
 8779770 Port Isabel, TX
 from 06/27/2010 11:48 - 06/30/2010 11:48



water temp. — air temp —
Last Observed Sample: 06/29/2010 11:30 (CDT)
Water Temperature: 84.2° F Air Temperature: 86.2° F

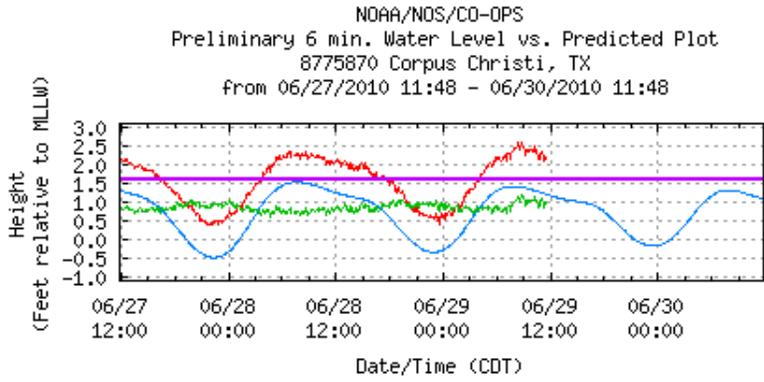
[South Padre Island C.G Station, TX - Return to List](#)

NOAA/NDS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8779748 South Padre Island C.G Station, TX
 from 06/27/2010 11:06 - 06/30/2010 11:06



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —
Last Observed Sample: 06/29/2010 10:54 (CDT)
Relative to MLLW: Observed: 2.14 ft. Predicted: 0.97 ft. Residual: 1.17 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

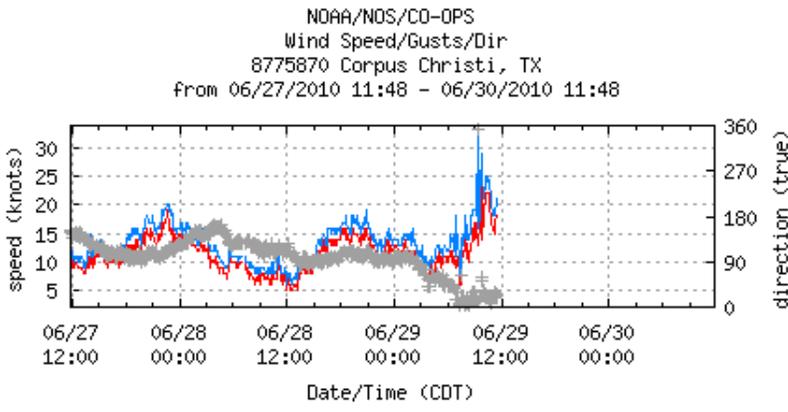
[Corpus Christi, TX - Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/29/2010 11:30 (CDT)
Relative to MLLW: Observed: 2.14 ft. Predicted: 1.21 ft. Residual: 0.93 ft.
Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above MHHW

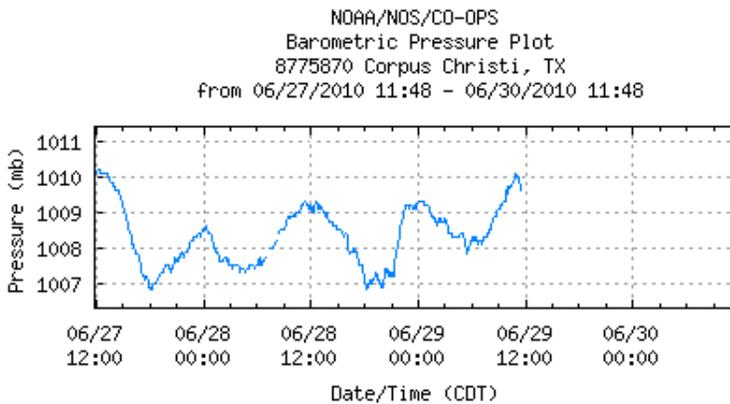
[Corpus Christi, TX - Return to List](#)



speed ——— gusts ——— direction +

Last Observed Sample: 06/29/2010 11:30 (CDT)
Wind Speed: 18 knots Gusts: 21 knots Direction: 023° T

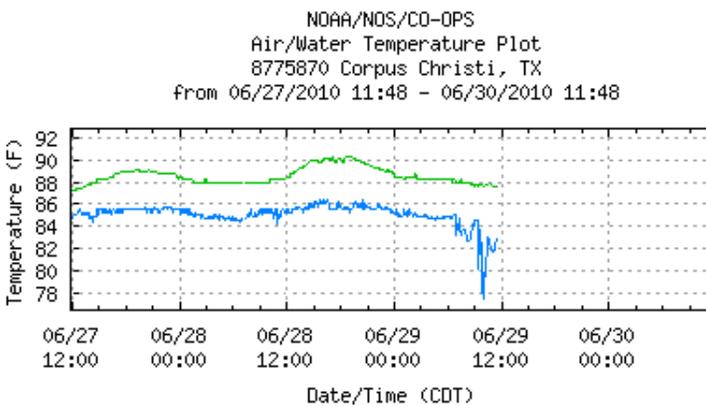
[Corpus Christi, TX - Return to List](#)



barometric pressure ———

Last Observed Sample: 06/29/2010 11:30 (CDT)
Barometric Pressure: 1009.6 mb

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

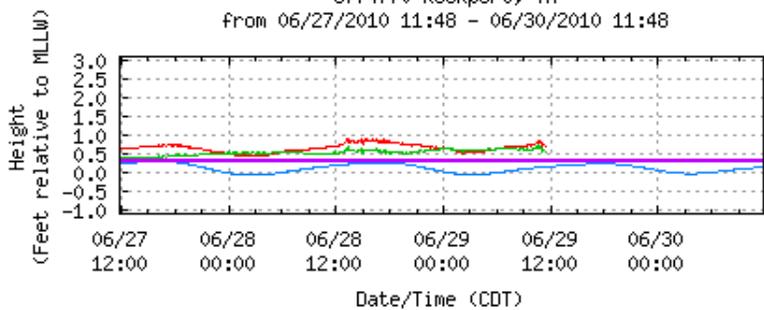


water temp. ——— air temp ———

Last Observed Sample: 06/29/2010 11:30 (CDT)
Water Temperature: 87.6° F Air Temperature: 82.9° 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 11:48 - 06/30/2010 11:48

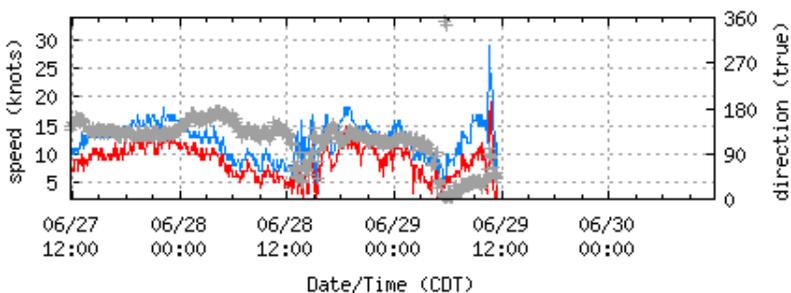


Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/29/2010 11:30 (CDT)
 Relative to **MLLW**: **Observed: 0.71 ft. Predicted: 0.15 ft. Residual: 0.56 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 11:48 - 06/30/2010 11:48

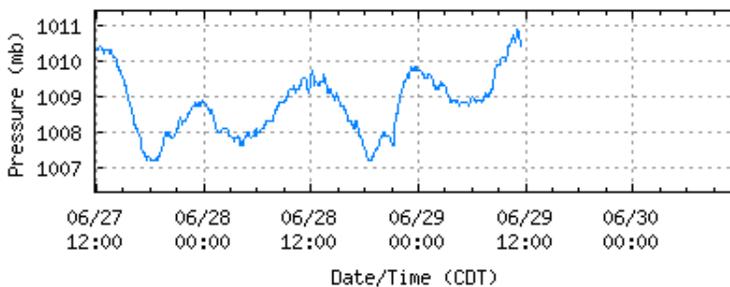


speed — gusts — direction +

Last Observed Sample: 06/29/2010 11:30 (CDT)
Wind Speed: 6 knots Gusts: 12 knots Direction: 039° T

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

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8774770 Rockport, TX
 from 06/27/2010 11:48 - 06/30/2010 11:48

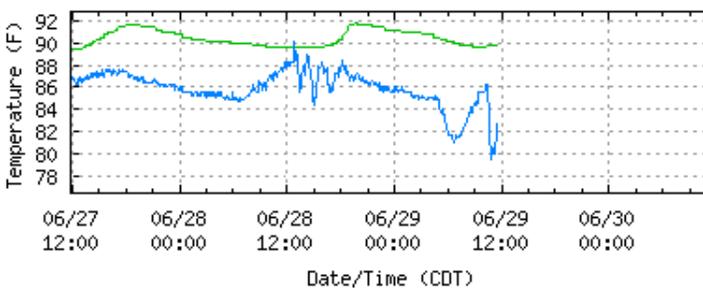


barometric pressure —

Last Observed Sample: 06/29/2010 11:30 (CDT)
Barometric Pressure: 1010.4 mb

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

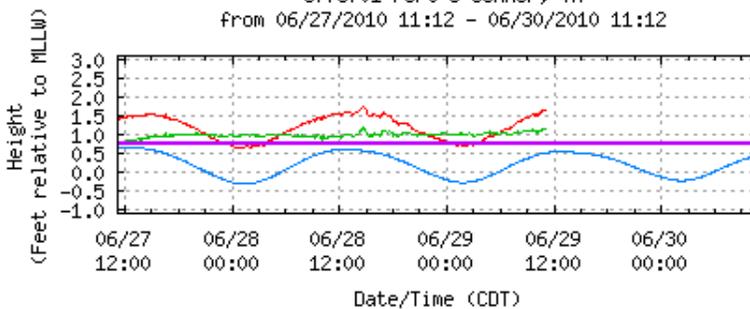
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8774770 Rockport, TX
 from 06/27/2010 11:48 - 06/30/2010 11:48



water temp. — air temp —
Last Observed Sample: 06/29/2010 11:30 (CDT)
Water Temperature: 89.8° F Air Temperature: 82.8° F

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8773701 Port O'Connor, TX
 from 06/27/2010 11:12 - 06/30/2010 11:12



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —
Last Observed Sample: 06/29/2010 11:00 (CDT)
Relative to MLLW: Observed: 1.66 ft. Predicted: 0.51 ft. Residual: 1.15 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

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