

# Storm Analysis

As of 07/22/2008 05:00 CDT, water levels along the Gulf coast remain at or up to 1 foot above predicted.

The next QuickLook will be issued at 11:00 CDT on July 22, 2008.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to <u>Mean Lower Low Water</u> are:

Port Isabel, TX: Next predicted high tide is 1.00 ft (0.30 m) on 07/22/2008 at 07:39 CDT..

Corpus Christi, TX: Next predicted high tide is 1.22 ft (0.37 m) on 07/22/2008 at 07:12 CDT.

Galveston Pleasure pier, TX: Next predicted high tide is 1.70 ft (0.52 m) on 07/22/2008 at 06:53 CDT.

Sabine Pass North: Next predicted high tide is 1.40 ft (0.43 m) on 07/22/2008 at 07:08 CDT.

Calcasieu Pass, LA: Next predicted high tide is 1.70 ft (0.52 m) on 07/22/2008 at 16:00 CDT.

For additional data, please see the <u>Center for Operational Oceanographic Products & Services</u> website. For more information or archived products and reports, please see the <u>Storm QuickLook</u> Homepage.

Analyst: LF

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#### SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM DOLLY ADVISORY NUMBER 8 NWS TPC/NATIONAL HURRICANE CENTER

...DOLLY STRENGTHENS A LITTLE...

A HURRICANE WARNING IS IN EFFECT FOR THE COAST OF TEXAS FROM BROWNSVILLE TO PORT O'CONNOR. A HURRICANE WARNING IS ALSO IN EFFECT FOR THE NORTHEAST COAST OF MEXICO FROM RIO SAN FERNANDO NORTHWARD TO THE BORDER BETWEEN MEXICO AND THE UNITED STATES. A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING IS IN EFFECT FROM NORTH OF PORT O'CONNOR TO SAN LUIS PASS. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WARNING AND A HURRICANE WATCH IS IN EFFECT FROM LA PESCA TO SOUTH OF RIO SAN FERNANDO.

AT 400 AM CDT THE CENTER OF TROPICAL STORM DOLLY WAS LOCATED NEAR ABOUT 295 SOUTHEAST OF BROWNSVILLE TEXAS.

DOLLY IS MOVING TOWARD THE WEST NEAR 15 MPH. A TURN TO THE WEST-NORTHWEST IS EXPECTED LATER TODAY WITH A FURTHER DECREASE IN FORWARD SPEED...FOLLOWED BY A TURN TO THE NORTHWEST ON WEDNESDAY. ON THIS TRACK...THE CENTER OF DOLLY SHOULD BE VERY NEAR THE WESTERN COAST OF THE GULF OF MEXICO ON WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH...95 KM/HR...WITH HIGHER GUSTS. ADDITIONAL STRENGTHENING IS FORECAST AND DOLLY IS EXPECTED TO BECOME A HURRICANE PRIOR TO LANDFALL.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 160 MILES...260 KM FROM THE CENTER.

AN AIR FORCE HURRICANE HUNTER AIRCRAFT REPORTED A MINIMUM CENTRAL PRESSURE OF 997 MB

DOLLY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES WITH ISOLATED AMOUNTS OF 15 INCHES...OVER MUCH OF SOUTH TEXAS AND NORTHEASTERN MEXICO OVER THE NEXT FEW DAYS. DOLLY IS EXPECTED TO PRODUCE ADDITIONAL AMOUNTS OF 1 TO 3 INCHES OVER THE NORTHERN YUCATAN PENINSULA.

COASTAL STORM SURGE FLOODING OF 4 TO 6 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES...CAN BE EXPECTED NEAR AND TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL.

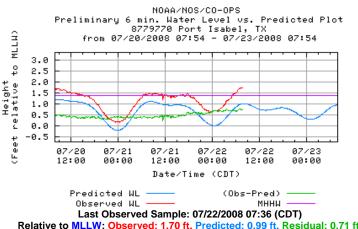
### FORECASTER PASCH

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 - Air/Water Temp,
Port Isabel - Barometric, Corpus Christi - Water Level,

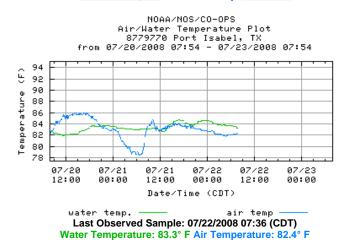
Corpus Christi - Air/Water Temp, Corpus Christi - Winds, Corpus Christi - Barometric,
Galveston Pleasure Pier - Water Level, Galveston Pleasure Pier - Air/Water Temp,
Galveston Pleasure Pier - Winds, Galveston Pleasure Pier - Barometric,
Sabine Pass North - Water Level, Sabine Pass North - Air/Water Temp,
Sabine Pass North - Winds, Sabine Pass North - Barometric,
Calcasieu Pass - Water Level, Calcasieu Pass - Winds, Calcasieu Pass - Barometric,

Port Isabel, TX - Station Map Return to List

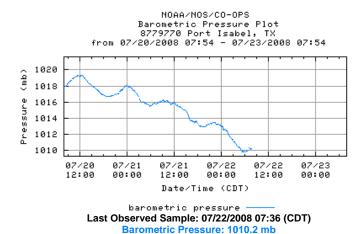


Relative to MLLW: Observed: 1.70 ft. Predicted: 0.99 ft. Residual: 0.71 ft. Historical Maximum Water Level: 08/09/1980, 5.67 ft. above MHHW

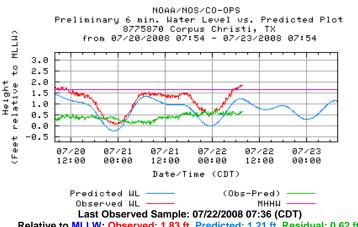
## Port Isabel, TX - Station Map Return to List



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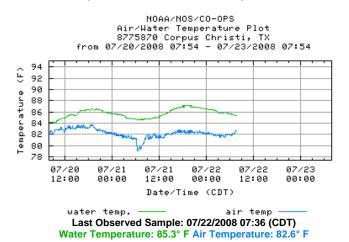


Corpus Christi, TX - Station Map Return to List

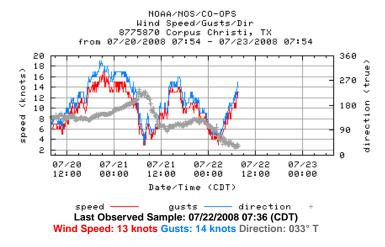


Relative to MLLW: Observed: 1.83 ft. Predicted: 1.21 ft. Residual: 0.62 ft. Historical Maximum Water Level: 09/10/1998, 3.33 ft. above MHHW

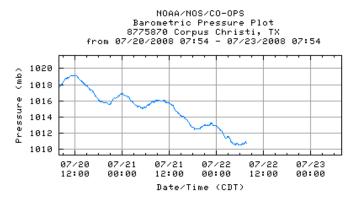
## Corpus Christi, TX - Station Map Return to List



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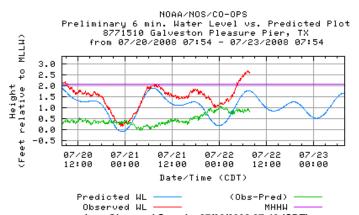


Corpus Christi, TX - Station Map Return to List



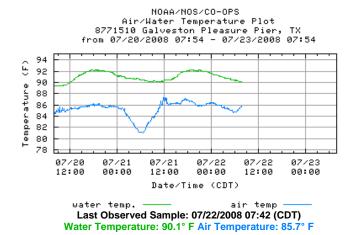
barometric pressure —— Last Observed Sample: 07/22/2008 07:36 (CDT) Barometric Pressure: 1010.8 mb

#### Galveston Pleasure Pier, TX - Station Map Return to List

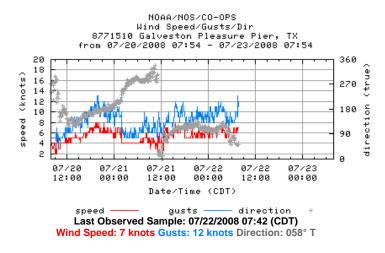


Last Observed Sample: 07/22/2008 07:42 (CDT)
Relative to MLLW: Observed: 2.59 ft. Predicted: 1.76 ft. Residual: 0.83 ft.
Historical Maximum Water Level: 09/11/1961, 7.16 ft. above MHHW

#### Galveston Pleasure Pier, TX - Station Map Return to List



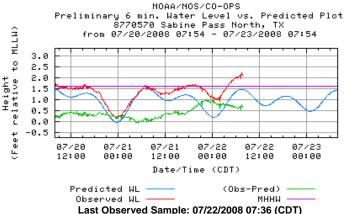
Galveston Pleasure Pier, TX - Station Map Return to List



### Galveston Pleasure Pier, TX - Station Map Return to List

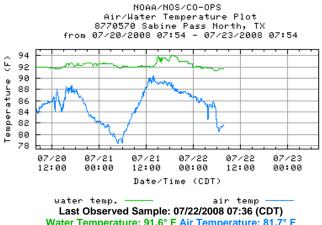
NOAA/NOS/CO-OPS Barometric Pressure Plot 8771510 Galveston Pleasure Pier, TX from 07/20/2008 07:54 - 07/23/2008 07:54 1020 (mb) 1018 Pressure 1016 1014 1012 1010 07/20 07/21 07/21 07/22 07/22 07/23 12:00 00:00 12:00 00:00 12:00 00:00 Date/Time (CDT)

### Sabine Pass North, TX - Station Map Return to List



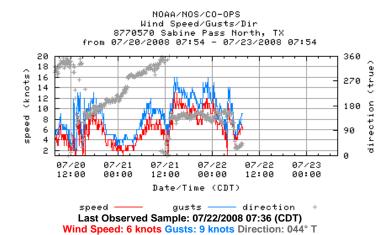
Last Observed Sample: 07/22/2008 07:36 (CDT)
Relative to MLLW: Observed: 2.08 ft. Predicted: 1.45 ft. Residual: 0.63 ft.
Historical Maximum Water Level: 09/11/1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Station Map Return to List

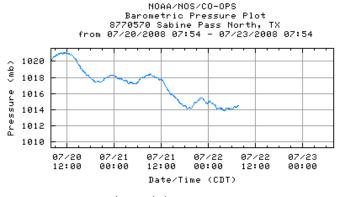


Water Temperature: 91.6° F Air Temperature: 81.7° F

### Sabine Pass North, TX - Station Map Return to List

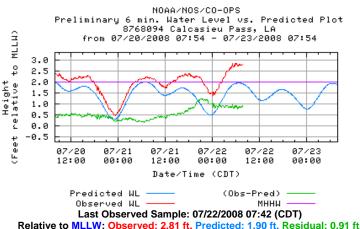


### Sabine Pass North, TX - Station Map Return to List



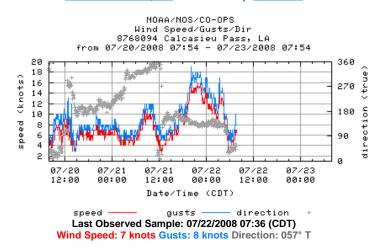
barometric pressure Last Observed Sample: 07/22/2008 07:36 (CDT) Barometric Pressure: 1014.5 mb

Calcasieu Pass, LA - Station Map Return to List

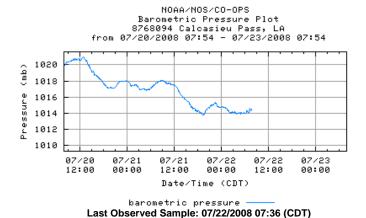


Relative to MLLW: Observed: 2.81 ft. Predicted: 1.90 ft. Residual: 0.91 ft. Historical Maximum Water Level: n/a

### Calcasieu Pass, LA - Station Map Return to List



#### Calcasieu Pass, LA - Station Map Return to List



Barometric Pressure: 1014.5 mb Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS) National Oceanic and Atmospheric Administration | U.S. Department of Commerce