Hurricane ALEX QuickLook
Posted: 23:00 CDT 06/29/2010

NOAA and NOAA Partnership Stations Relative to the Storm

As of 06/29/2010 2300 CDT, water levels along the Texas coast are increasing and range between 0.7 and 2.0 feet above predicted. Winds are also increasing, with gusts between 20-30 kts being recorded. Barometric pressure continues to steadily drop.

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 (0.31 m) at 07/01/2010 09:09 CDT.

South Padre Island C.G. 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 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT and 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT.

Port O'Connor, TX: Next predicted high tides are 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT and 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT.

Freeport, TX: Next predicted high tides are 1.52 ft (0.46 m) at 06/30/2010 07:52 CDT and 1.41 ft (0.43 m) at 07/01/2010 08:10 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.85 ft (0.56 m) at 06/30/2010 07:47 CDT and 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT

Sabine Pass North, TX: Next predicted high tides are 1.46 ft (0.44 m) at 06/30/2010 08:01 CDT and 1.12 ft (0.34 m) at 06/30/2010 16:57 CDT

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: CMF
BROWNSVILLE TEXAS. ALEX HAS MOVED MOSTLY WESTWARD NEAR 9 MPH OVER THE PAST FEW HOURS BUT A GENERAL WEST-NORTHWESTWARD MOTION IS EXPECTED OVER THE NEXT 24 TO 48 HOURS. ON THE FORECAST TRACK THE CENTER OF ALEX WILL APPROACH THE COAST OF NORTHEASTERN MEXICO OR SOUTHERN TEXAS ON WEDNESDAY AND MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE WEDNESDAY OR WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 75 MPH WITH HIGHER GUSTS. ALEX IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. ADDITIONAL STRENGTHENING IS FORECAST PRIOR TO LANDFALL. ALEX WILL BEGIN TO WEAKEN AFTER ITS CENTER CROSSES THE COASTLINE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER PLANE WAS 973 MB.

HAZARDS AFFECTING LAND
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RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES... ESPECIALLY IN MOUNTAINOUS TERRAIN. RAINBANDS ASSOCIATED WITH ALEX ARE SPREADING ONSHORE IN NORTHEASTERN MEXICO AND SOUTHERN TEXAS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE AND TROPICAL STORM WARNING AREAS BEGINNING LATE TONIGHT OR EARLY 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 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 PASCH/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.
Port Isabel, TX - Return to List

NOAA/NOCS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8779770 Port Isabel, TX

Relative to MLLW:
- Observed: 1.53 ft.
- Predicted: -0.06 ft.
- Residual: 1.59 ft.

Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above MHHW

Port Isabel, TX - Return to List

NOAA/NOCS/C0-CPS
Wind Speed/Gusts/Dir
8779770 Port Isabel, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Wind Speed: 13 knots  Gusts: 21 knots  Direction: 035° T
Port Isabel, TX - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
877970 Port Isabel, TX

Barometric Pressure: 1006.4 mb

Port Isabel, TX - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
877970 Port Isabel, TX

Water Temperature: 84.6° F Air Temperature: 83.1° F
South Padre Island C.G Station, TX

- Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8779748 South Padre Island C.G Station, TX
from 05/27/2010 22:12 - 06/30/2010 22:12

Last Observed Sample: 06/29/2010 21:54 (CDT)
Relative to MLLW: Observed: 1.52 ft. Predicted: -0.20 ft. Residual: 1.72 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

Corpus Christi, TX

- Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8779870 Corpus Christi, TX
from 05/27/2010 22:12 - 06/30/2010 22:12

Last Observed Sample: 06/29/2010 22:30 (CDT)
Relative to MLLW: Observed: 1.76 ft. Predicted: -0.13 ft. Residual: 1.89 ft.
Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above MHHW
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Corpus Christi, TX - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Wind Speed: 23 knots Gusts: 26 knots Direction: 059° T

Corpus Christi, TX - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8775870 Corpus Christi, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Barometric Pressure: 1007.8 mb
Corpus Christi, TX - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8775870 Corpus Christi, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Water Temperature: 87.8° F Air Temperature: 84.2° F

Rockport, TX - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
6774770 Rockport, TX

Relative to MLLW: Observed: 0.90 ft. Predicted: 0.12 ft. Residual: 0.78 ft.
Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above MHHW
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**Rockport, TX** - Return to List

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
E774770 Rockport, TX

![Wind Speed Graph](image)

Last Observed Sample: 06/29/2010 22:30 (CDT)
Wind Speed: 15 knots Gusts: 23 knots Direction: 072° T

**Rockport, TX** - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
E774770 Rockport, TX

![Barometric Pressure Graph](image)

Last Observed Sample: 06/29/2010 22:30 (CDT)
Barometric Pressure: 1008.9 mb
**Rockport, TX** - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8774770 Rockport, TX

![Temperature Chart](chart.png)

Last Observed Sample: 06/29/2010 22:30 (CDT)

Water Temperature: 89.6° F Air Temperature: 84.2° F

**Port O'Connor, TX** - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8773701 Port O'Connor, TX
From 05/27/2010 22:10 - 06/30/2010 22:10

![Water Level Chart](chart.png)

Relative to MLLW: Observed: 1.70 ft. Predicted: 0.03 ft. Residual: 1.67 ft.

Historical Maximum Water Level: , 0 ft. above MHHW
Galveston Pleasure Pier, TX - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8771510 Galveston Pleasure Pier, TX

Last Observed Sample: 06/29/2010 22:36 (CDT)
Relative to MLLW: Observed: 2.05 ft. Predicted: 0.05 ft. Residual: 2.00 ft.
Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above MHHW

Galveston Pleasure Pier, TX - Return to List

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8771510 Galveston Pleasure Pier, TX

Last Observed Sample: 06/29/2010 22:36 (CDT)
Wind Speed: 23 knots Gusts: 27 knots Direction: 066° T
**Galveston Pleasure Pier, TX**

Last Observed Sample: 06/29/2010 22:36 (CDT)

Barometric Pressure: 1010.2 mb

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**Galveston Pleasure Pier, TX**

Last Observed Sample: 06/29/2010 22:36 (CDT)

Water Temperature: 87.1° F  Air Temperature: 83.5° F
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Sabine Pass North, TX - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8779570 Sabine Pass North, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Relative to MLLW: Observed: 1.15 ft. Predicted: 0.21 ft. Residual: 0.94 ft.
Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8779570 Sabine Pass North, TX

Last Observed Sample: 06/29/2010 22:30 (CDT)
Wind Speed: 11 knots Gusts: 15 knots Direction: 007° T
Sabine Pass North, TX

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8770570 Sabine Pass North, TX

Barometric Pressure: 1013.6 mb

Last Observed Sample: 06/29/2010 22:30 (CDT)

Sabine Pass North, TX

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8770570 Sabine Pass North, TX

Water Temperature: 89.2° F Air Temperature: 81.5° F

Last Observed Sample: 06/29/2010 22:30 (CDT)