NOAA and NOAA Partnership Stations Relative to the Storm

Storm Analysis

Water levels are currently at or near predicted tidal levels at NOAA stations throughout western Florida and are becoming slightly elevated from the Keys to Naples. Also, barometric pressure continues to decreasing overall.

The next Storm QuickLook analysis will be issued at 0600 EDT. Water level and meteorological plots are updated automatically. For more information, please see www.tidesandcurrents.noaa.gov.

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

AT 11 PM EDT...RAINS ASSOCIATED WITH BARRY SOAKING FLORIDA. A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE WEST COAST OF FLORIDA FROM BONITA BEACH NORTHWARD TO KEATON BEACH. A TROPICAL STORM WATCH REMAINS IN EFFECT FROM NORTH OF KEATON BEACH TO ST. MARKS.
THE CENTER OF TROPICAL STORM BARRY WAS LOCATED ABOUT 195 MILES WEST OF KEY WEST FLORIDA. TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 90 MILES MAINLY TO THE NORTH AND EAST OF THE CENTER. ESTIMATED MINIMUM CENTRAL PRESSURE IS 997 MB.

COASTAL STORM SURGE FLOODING OF UP TO 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS...ALONG WITH LARGE AND DANGEROUS BATTERING WAVES...ARE POSSIBLE IN THE WARNING AREA NEAR AND TO THE RIGHT OF WHERE THE CENTER OF BARRY MAKES LANDFALL.

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.
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

**Key West, FL - Station Map**

**NOAA/NOS/CO-OPS**

**Preliminary 6 min. Water Level vs. Predicted Plot**

Key West, FL

from 05/31/2007 01:05 - 06/03/2007 01:36

Relative to MLLW:
- Observed: 1.72 ft.
- Predicted: 0.92 ft.
- Residual: 0.80 ft.

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above MHHW

**Wind Speed/Gusts/Dir**

Key West, FL

from 05/31/2007 01:05 - 06/03/2007 01:36

- Last Observed Sample: 06/02/2007 00:54 (EDT)
- Wind Speed: 17 knots
- Gusts: 25 knots
- Direction: 174° T
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

Key West, FL - Station Map

Barometric Pressure Plot
from 05/31/2007 01:05 - 06/03/2007 01:36

Barometric Pressure: 1008.2 mb

Last Observed Sample: 06/02/2007 00:54 (EDT)

Key West, FL - Station Map

Air/Water Temperature Plot
from 05/31/2007 01:05 - 06/03/2007 01:36

Water Temperature: 78.1° F Air Temperature: 77.4° F

Last Observed Sample: 06/02/2007 00:54 (EDT)
Clearwater Beach, FL - Station Map

Relative to MLLW: Observed: 1.38 ft. Predicted: 1.67 ft. Residual: -0.29 ft.
Historical Maximum Water Level: 03/13/1993, 4.05 ft. above MHHW

Wind Speed: 13 knots Gusts: 16 knots Direction: 068° T
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

Clearwater Beach, FL - Station Map

Last Observed Sample: 06/02/2007 00:48 (EDT)
Barometric Pressure: 1010.2 mb

Clearwater Beach, FL - Station Map

Last Observed Sample: 06/02/2007 00:48 (EDT)
Water Temperature: 81.0° F Air Temperature: 66.6° F
Apalachicola, FL - Station Map

Relative to MLLW:
- Observed: 0.21 ft.
- Predicted: -0.30 ft.
- Residual: 0.51 ft.

Historical Maximum Water Level: 11/21/1985, 5.69 ft. above MHHW

Wind Speed: 7 knots  Gusts: 9 knots  Direction: 011° T
Apalachicola, FL - Station Map

Barometric Pressure Plot
8728699 Apalachicola, FL
from 05/31/2007 01:05 - 06/03/2007 01:36

Barometric Pressure: 1012.3 mb

Apalachicola, FL - Station Map

Air/Water Temperature Plot
8728699 Apalachicola, FL
from 05/31/2007 01:05 - 06/03/2007 01:36

Water Temperature: n/a Air Temperature: 72.1° F
Naples, FL - Station Map

Relative to MLLW: Observed: 2.67 ft. Predicted: 1.92 ft. Residual: 0.75 ft.
Historical Maximum Water Level: 12/21/1972, 3.11 ft. above MHHW

Wind Speed: 6 knots Gusts: 10 knots Direction: 112° T
Naples, FL - Station Map

Last Observed Sample: 06/02/2007 00:54 (EDT)
Barometric Pressure: 1008.5 mb

Naples, FL - Station Map

Last Observed Sample: 06/02/2007 00:54 (EDT)
Water Temperature: 76.8° F Air Temperature: 72.9° F
Cedar Key, FL - Station Map

Last Observed Sample: 06/01/2007 05:54 (EDT)
Relative to MLLW: Observed: 2.41 ft. Predicted: 2.60 ft. Residual: -0.19 ft.
Historical Maximum Water Level: 10/07/1996, 5.15 ft. above MHHW

Cedar Key, FL - Station Map

Last Observed Sample: 06/01/2007 05:00 (EDT)

Wind Speed: 5 knots Gusts: 12 knots Direction: 059° T
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

Cedar Key, FL - Station Map

Barometric Pressure Plot
from 05/31/2007 01:12 - 06/03/2007 01:12

Barometric Pressure: 1016.4 mb

Cedar Key, FL - Station Map

Air/Water Temperature Plot
from 05/31/2007 01:12 - 06/03/2007 01:12

Water Temperature: 77.2° F Air Temperature: 72.3° F
Vaca Key, FL - Station Map  

Last Observed Sample: 06/02/2007 00:54 (EDT)

Relative to MLLW: Observed: 0.43 ft. Predicted: -0.01 ft. Residual: 0.44 ft.

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above MHHW

Wind Speed: 4 knots  Gusts: 9 knots  Direction: 156° T
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

Vaca Key, FL - Station Map

NOAA/NOS/C0-OPS
Barometric Pressure Plot
972979 Vaca Key, FL
from 05/31/2007 01:05 - 06/03/2007 01:36

[Graph showing barometric pressure]

Last Observed Sample: 06/02/2007 00:54 (EDT)
Barometric Pressure: 1009.0 mb

Vaca Key, FL - Station Map

NOAA/NOS/C0-OPS
Air/Water Temperature Plot
972979 Vaca Key, FL
from 05/31/2007 01:05 - 06/03/2007 01:36

[Graph showing air and water temperature]

Last Observed Sample: 06/02/2007 00:54 (EDT)
Water Temperature: 77.2° F Air Temperature: 78.8° F
Tropical Storm BARRY QuickLook, POSTED 00:30 EDT 06/02/2007

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