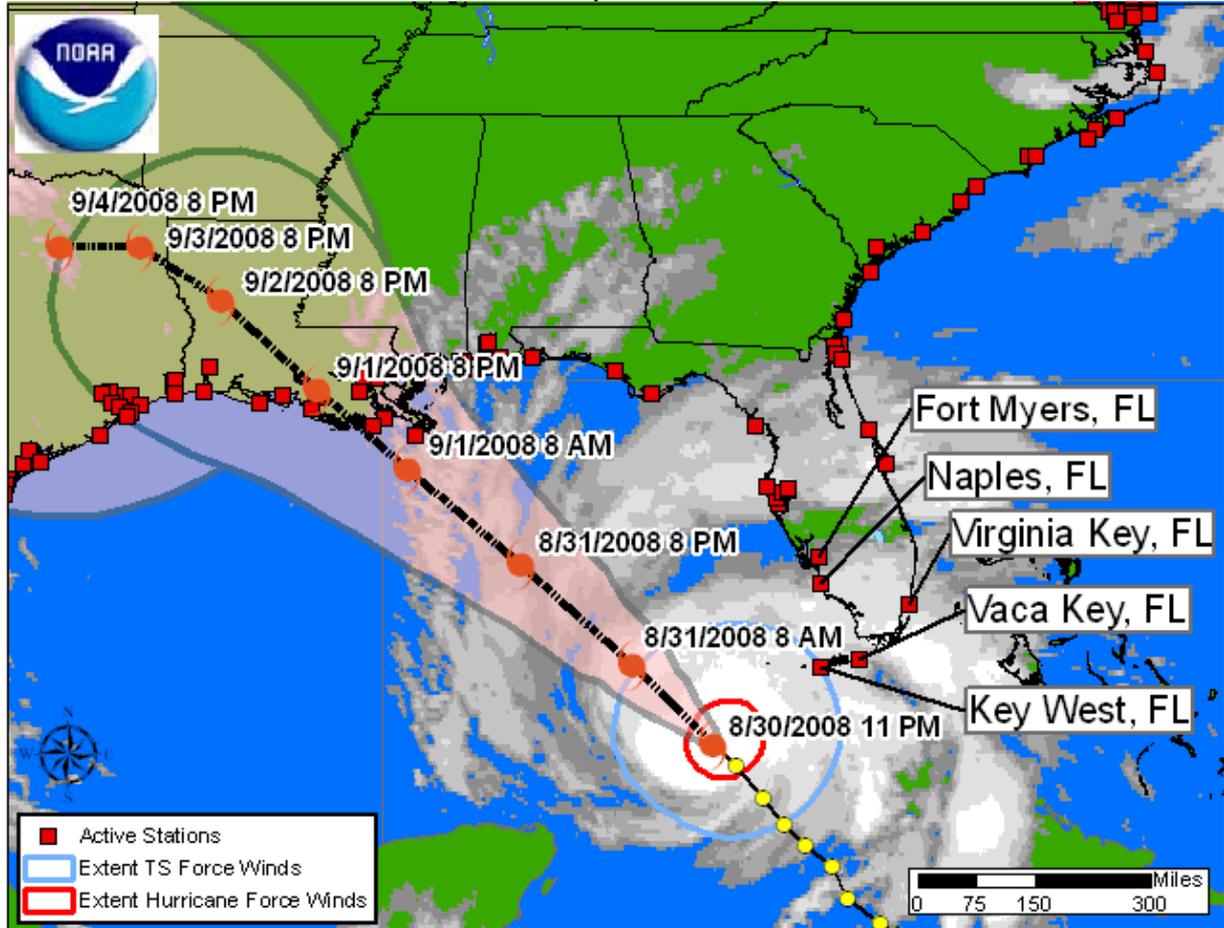




Hurricane GUSTAV QuickLook
Posted: 00:00 EDT 08/31/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/31/2008 00:00 EDT, water levels along the Florida Keys and southern Florida are rising and are approximately 0.5 to 0.8 feet above predicted. Winds are increasing with gusts above 35 knots being measured. Barometric pressure is falling.

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

Key West, FL: Next predicted high tide is 2.18 ft (0.66 m) at 08/31/2008 11:00 EDT.

Vaca Key, FL: Next predicted high tide is 0.94 ft (0.29 m) at 08/31/2008 03:54 EDT.

Virginia Key, FL: Next predicted high tide is 2.62 ft (0.80 m) at 08/31/2008 10:00 EDT.

Naples, FL: Next predicted high tide is 2.79 ft (0.85 m) at 08/31/2008 01:09 EDT.

Fort Myers, FL: Next predicted high tide is 1.27 ft (0.39 m) at 08/31/2008 05:03 EDT.

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: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 26

1100 PM EDT SAT AUG 30 2008

...CENTER OF SLIGHTLY WEAKER GUSTAV MOVES INTO THE SOUTHEASTERN GULF OF MEXICO...

A HURRICANE WATCH REMAINS IN EFFECT FOR THE NORTHERN GULF COAST FROM EAST OF HIGH ISLAND TEXAS EASTWARD TO THE ALABAMA-FLORIDA BORDER...INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. HURRICANE WARNINGS WILL LIKELY BE REQUIRED FOR PARTS OF THIS AREA SUNDAY MORNING.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE LOWER FLORIDA KEYS WEST OF THE SEVEN MILE BRIDGE TO THE DRY TORTUGAS.

A TROPICAL STORM WATCH REMAINS IN EFFECT ALONG THE PANHANDLE COAST OF FLORIDA FROM EAST OF THE ALABAMA-FLORIDA BORDER EASTWARD TO THE OCHLOCKONEE RIVER. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 36 HOURS.

AT 1100 PM EDT THE CENTER OF HURRICANE GUSTAV WAS LOCATED 90 MILES WEST OF HAVANA CUBA AND ABOUT 530 MILES SOUTHEAST OF THE MOUTH OF THE MISSISSIPPI RIVER.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 15 MPH AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK...THE CENTER OF GUSTAV IS FORECAST TO MOVE INTO THE CENTRAL GULF OF MEXICO ON SUNDAY...AND THEN MAKE LANDFALL ON THE NORTHERN GULF COAST ON MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 140 MPH WITH HIGHER GUSTS. GUSTAV IS A CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON SCALE. WHILE GUSTAV HAS WEAKEN DURING PASSAGE OVER CUBA...IT IS FORECAST TO RE-INTENSIFY DURING THE NEXT 24 HOURS AS IT MOVES OVER THE WARM WATERS OF THE GULF OF MEXICO. FLUCTUATIONS IN STRENGTH ARE LIKELY AFTER THAT TIME...BUT GUSTAV IS FORECAST TO REMAIN A MAJOR HURRICANE THROUGH LANDFALL ALONG THE NORTHERN GULF COAST.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 70 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 948 MB...27.99 INCHES.

STORM SURGE OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS POSSIBLE IN THE DRY TORTUGAS AS GUSTAV PASSES TO ITS WEST.

GUSTAV IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES ACROSS CENTRAL AND WESTERN CUBA...WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 20 INCHES POSSIBLE. THESE RAINS WILL LIKELY PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. RAINFALL AMOUNTS OF 2 TO 4 INCHES ARE POSSIBLE OVER FLORIDA KEYS AND EXTREME SOUTHERN FLORIDA. RAINFALL ASSOCIATED WITH GUSTAV MAY BEGIN TO AFFECT THE CENTRAL GULF COAST REGION SUNDAY NIGHT.

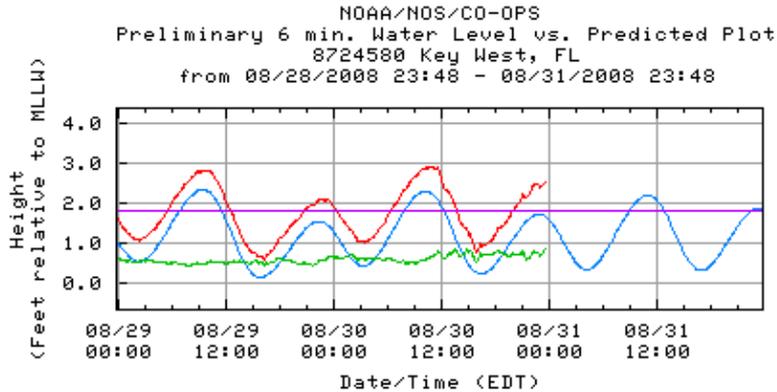
ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA.

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.

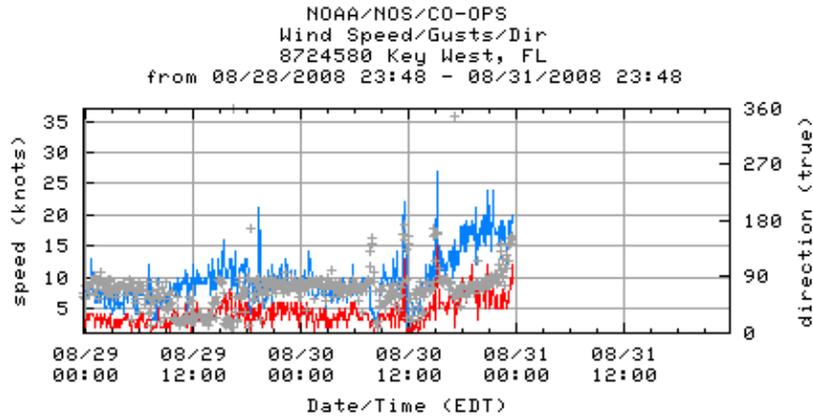
Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Key West - Air/Water Temp](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Air/Water Temp](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Air/Water Temp](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#),

Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
 Relative to **MLLW**: **Observed: 2.49 ft. Predicted: 1.65 ft. Residual: 0.84 ft.**
 Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

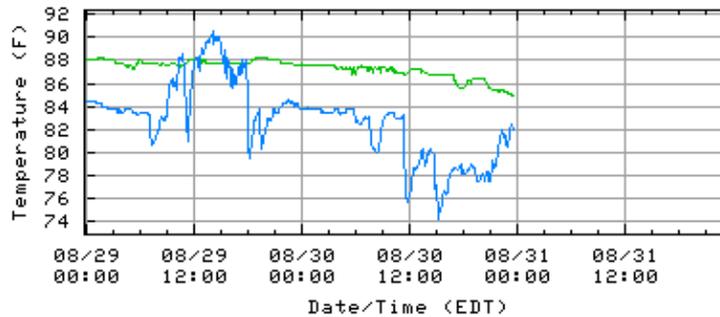
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
Wind Speed: 12 knots Gusts: 20 knots Direction: 156° T

Key West, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8724580 Key West, FL
from 08/28/2008 23:48 - 08/31/2008 23:48



water temp. — air temp. —

Last Observed Sample: 08/30/2008 23:36 (EDT)

Water Temperature: 84.9° F Air Temperature: 82.0° F

Key West, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8724580 Key West, FL
from 08/28/2008 23:48 - 08/31/2008 23:48

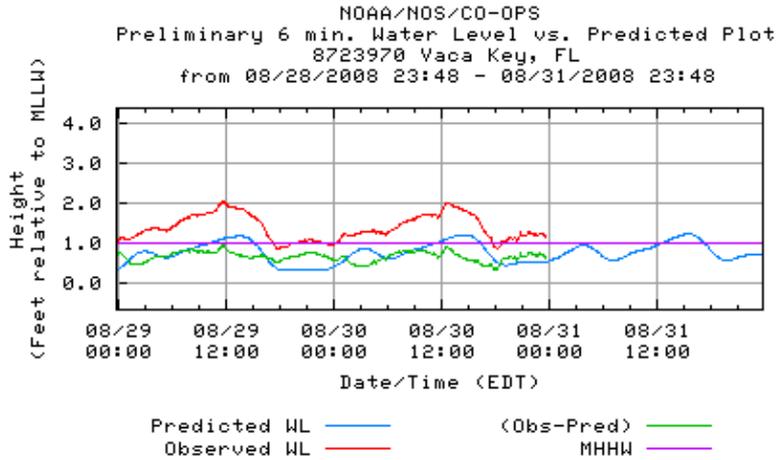


barometric pressure —

Last Observed Sample: 08/30/2008 23:36 (EDT)

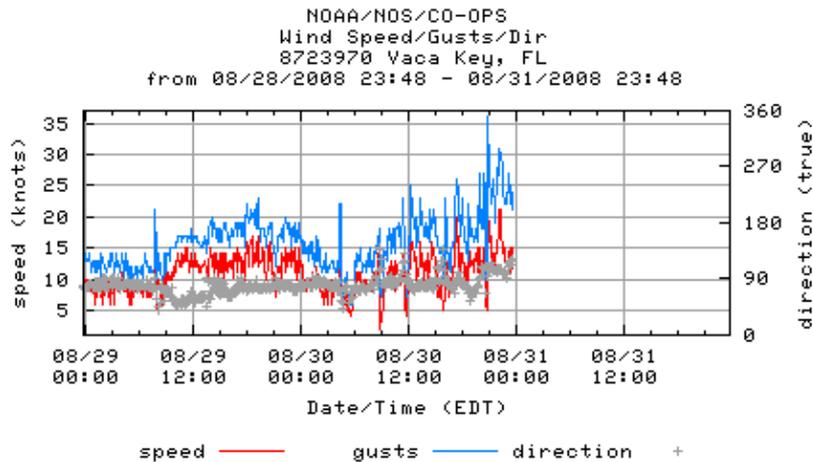
Barometric Pressure: 1006.1 mb

Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
 Relative to **MLLW**: **Observed: 1.14 ft. Predicted: 0.53 ft. Residual: 0.61 ft.**
 Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

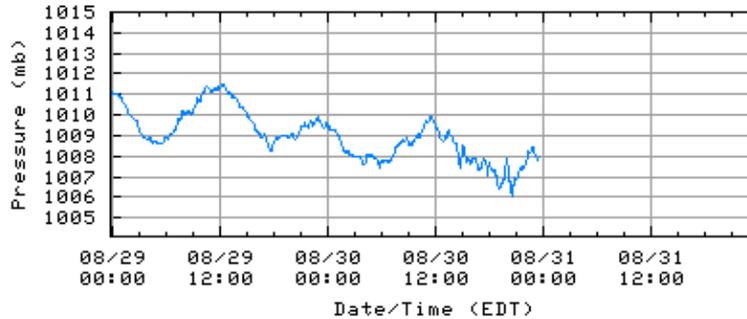
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
Wind Speed: 15 knots Gusts: 24 knots Direction: 119° T

Vaca Key, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8723970 Vaca Key, FL
 from 08/28/2008 23:48 - 08/31/2008 23:48



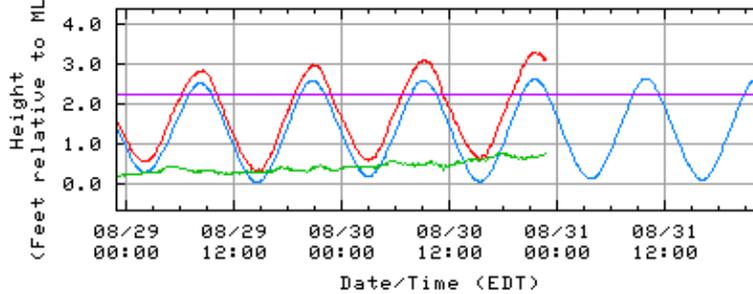
barometric pressure —

Last Observed Sample: 08/30/2008 23:36 (EDT)

Barometric Pressure: 1008.0 mb

Virginia Key, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8723214 Virginia Key, FL
 from 08/28/2008 23:00 - 08/31/2008 23:00



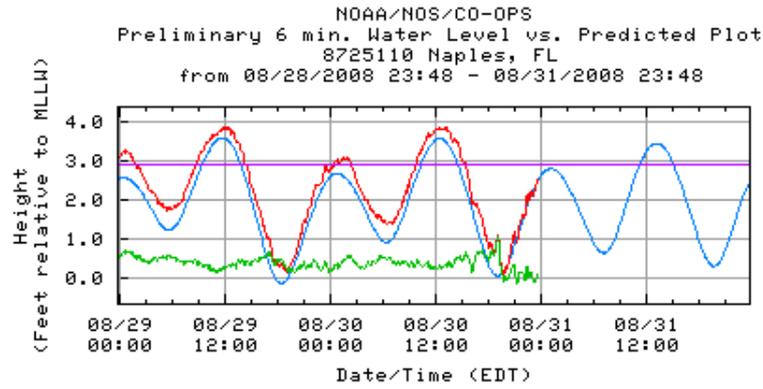
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/30/2008 22:48 (EDT)

Relative to **MLLW**: **Observed: 3.07 ft. Predicted: 2.32 ft. Residual: 0.75 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)



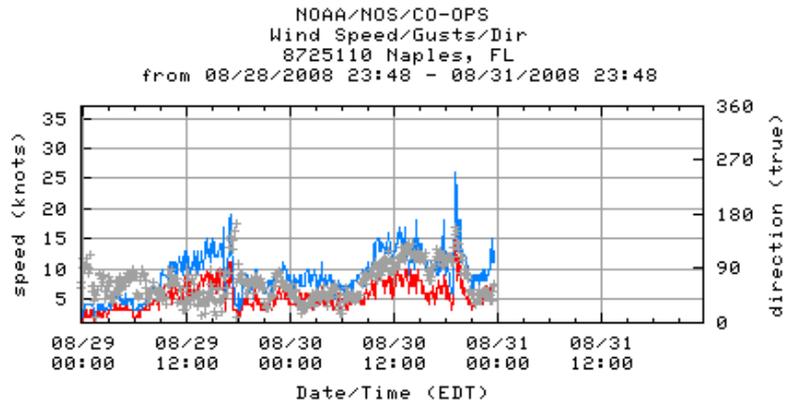
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/30/2008 23:36 (EDT)

Relative to **MLLW**: Observed: 2.48 ft. Predicted: 2.45 ft. Residual: 0.03 ft.

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)



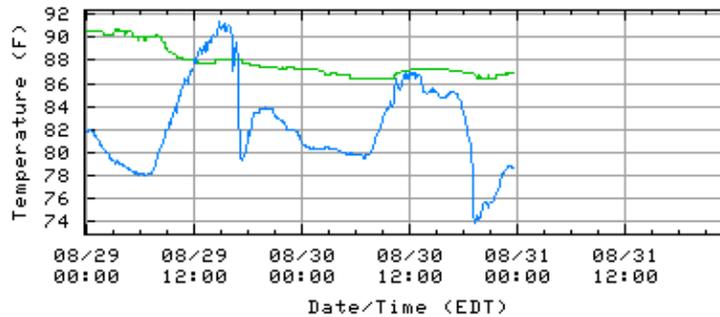
speed ——— gusts ——— direction +

Last Observed Sample: 08/30/2008 23:36 (EDT)

Wind Speed: 7 knots Gusts: 13 knots Direction: 063° T

Naples, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8725110 Naples, FL
from 08/28/2008 23:48 - 08/31/2008 23:48



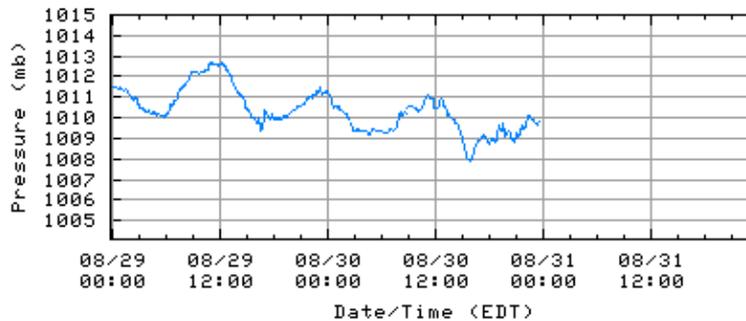
water temp. — air temp —

Last Observed Sample: 08/30/2008 23:36 (EDT)

Water Temperature: 86.9° F Air Temperature: 78.6° F

Naples, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8725110 Naples, FL
from 08/28/2008 23:48 - 08/31/2008 23:48

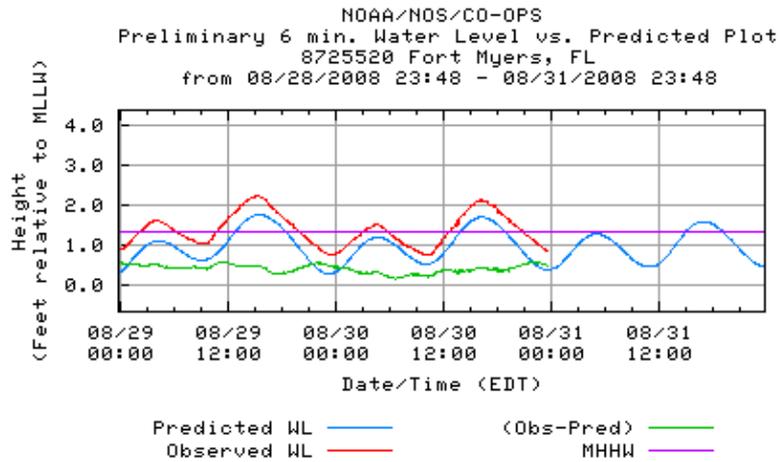


barometric pressure —

Last Observed Sample: 08/30/2008 23:36 (EDT)

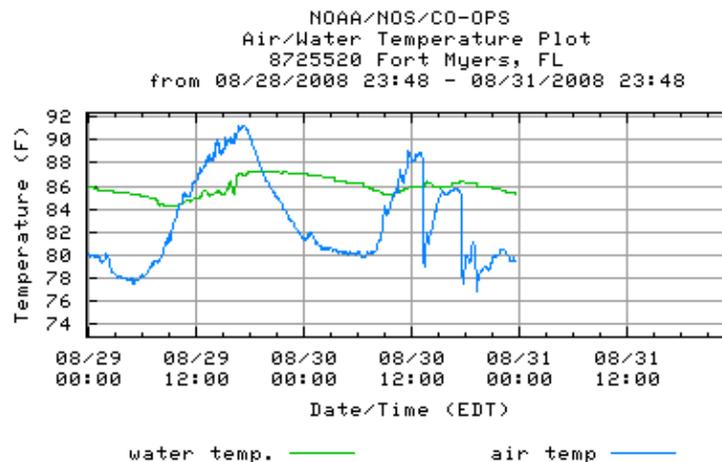
Barometric Pressure: 1009.8 mb

Fort Myers, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
 Relative to **MLLW**: **Observed: 0.83 ft. Predicted: 0.37 ft. Residual: 0.46 ft.**
 Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

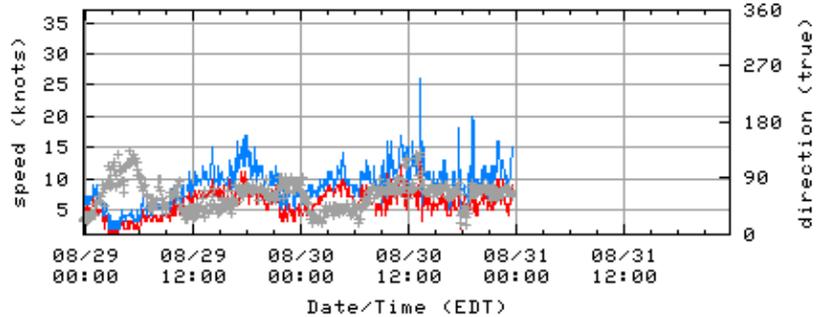
Fort Myers, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 23:36 (EDT)
Water Temperature: 85.3° F Air Temperature: 79.5° F

Fort Myers, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8725520 Fort Myers, FL
from 08/28/2008 23:48 - 08/31/2008 23:48



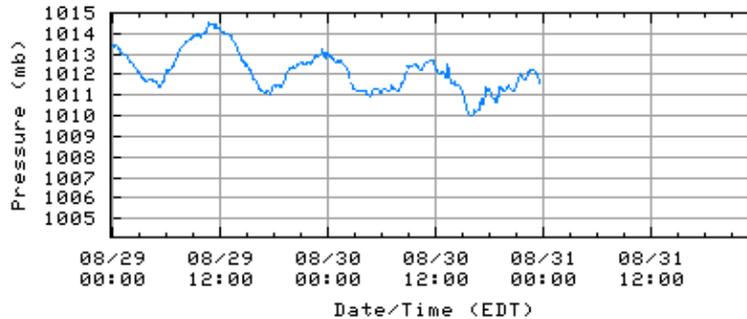
speed — gusts — direction +

Last Observed Sample: 08/30/2008 23:36 (EDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 062° T

Fort Myers, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8725520 Fort Myers, FL
from 08/28/2008 23:48 - 08/31/2008 23:48



barometric pressure —

Last Observed Sample: 08/30/2008 23:36 (EDT)

Barometric Pressure: 1011.6 mb

Hurricane GUSTAV QuickLook, POSTED 00:00 EDT 08/31/2008

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