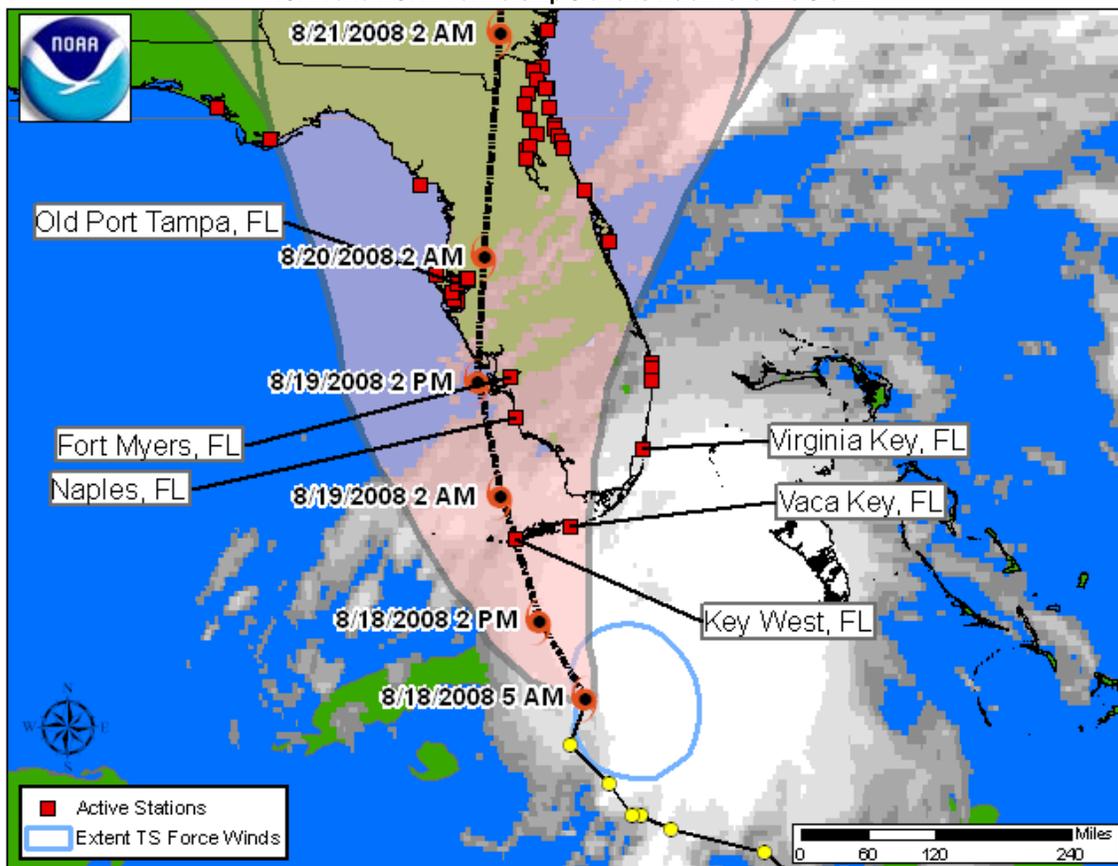




Tropical Storm FAY QuickLook
Posted: 06:00 EDT 08/18/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/18/2008 06:00 EDT, water levels along Southern Florida are rising and are up to 0.5 ft above predicted in some areas in the Florida Keys. Barometric pressure continues to fall across Southern Florida.

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 2.04 ft (0.62 m) at 08/18/2008 11:33 EDT.

Vaca Key, FL: Next predicted high tide is 1.20 ft (0.36 m) at 08/18/2008 15:45 EDT.

Naples, FL: Next predicted high tide is 3.24 ft (0.99 m) at 08/18/2008 13:42 EDT.

Fort Myers, FL: Next predicted high tide is 1.63 ft (0.50 m) at 08/18/2008 17:30 EDT.

Old Port Tampa, FL: Next predicted high tide is 2.87 ft (0.87 m) at 08/18/2008 16:09 EDT.

Virginia Key, FL: Next predicted high tide is 2.35 ft (0.72 m) at 08/18/2008 10:45 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:

**TROPICAL STORM FAY ADVISORY NUMBER 11
0500 AM EDT MON AUG 18 2008**

...FAY CROSSING CENTRAL CUBA...NEW WARNINGS ISSUED FOR SOUTH FLORIDA...

AT 5 AM EDT A TROPICAL STORM WARNING IS IN EFFECT ALONG THE FLORIDA EAST COAST FROM JUPITER INLET SOUTHWARD...AND ALONG THE FLORIDA WEST COAST FROM BONITA BEACH SOUTHWARD...INCLUDING LAKE OKEECHOBEE. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE FLORIDA KEYS FROM SOUTH OF OCEAN REEF TO KEY WEST...INCLUDING THE DRY TORTUGAS AND FLORIDA BAY.

AT 5 AM EDT...A TROPICAL STORM WATCH IS IN EFFECT FROM NORTH OF JUPITER INLET TO SEBASTIAN INLET.

A HURRICANE WATCH IS IN EFFECT FOR THE FLORIDA KEYS FROM SOUTH OF OCEAN REEF TO KEY WEST...INCLUDING THE DRY TORTUGAS AND FLORIDA BAY...AND ALONG THE FLORIDA MAINLAND FROM CARD SOUND BRIDGE WESTWARD TO TARPON SPRINGS.

AT 500 AM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED INLAND OVER CENTRAL CUBA ABOUT 105 MILES EAST-SOUTHEAST OF HAVANA CUBA AND ABOUT 155 MILES SOUTH-SOUTHEAST OF KEY WEST FLORIDA.

FAY IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 12 MPH. THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS WITH A TURN TO THE NORTH EXPECTED ON TUESDAY. THE CENTER OF FAY SHOULD BE EMERGING INTO THE FLORIDA STRAITS LATER THIS MORNING...AND BE VERY NEAR THE FLORIDA KEYS TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS EXPECTED AFTER THE CENTER OF FAY EMERGES OVER WATER. FAY IS FORECAST TO BE APPROACHING HURRICANE STRENGTH IN THE FLORIDA KEYS AND TO BECOME A HURRICANE BEFORE IT REACHES THE FLORIDA PENINSULA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1003 MB...29.62 INCHES.

HEAVY RAINS ARE EXPECTED TO SPREAD ACROSS SOUTH FLORIDA TODAY. STORM TOTAL AMOUNTS OF 4 TO 8 INCHES...WITH MAXIMUM AMOUNTS OF 10 INCHES ARE POSSIBLE FOR THE FLORIDA KEYS AND SOUTH FLORIDA.

TIDES OF 2 TO 4 FT ABOVE NORMAL ARE POSSIBLE IN THE FLORIDA KEYS.

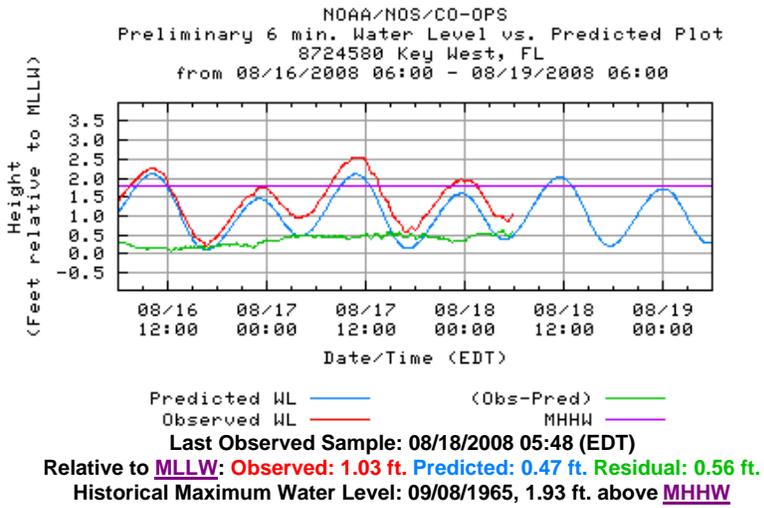
ISOLATED TORNADOES ARE POSSIBLE TODAY OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA.

FORECASTER FRANKLIN/BERG

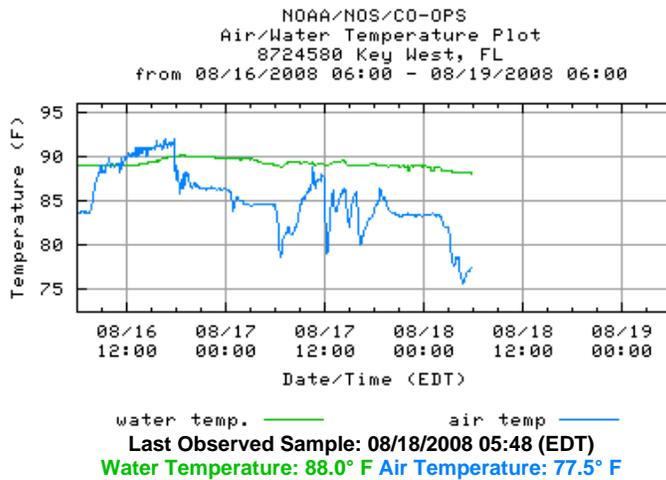
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

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

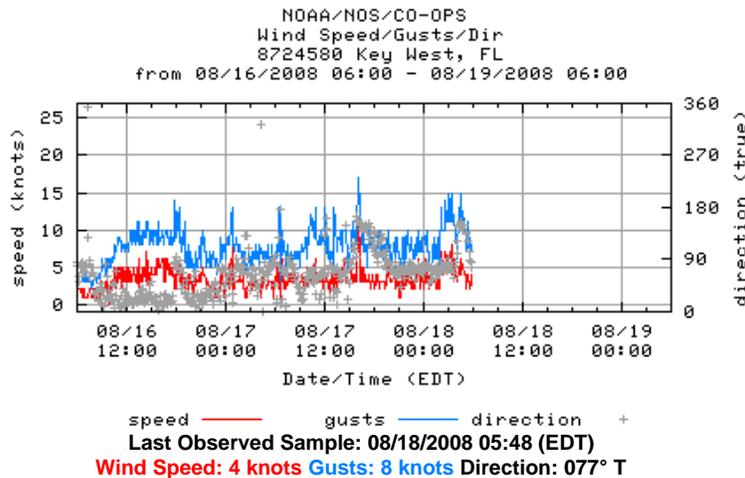
[Key West, FL - Station Map](#) [Return to List](#)



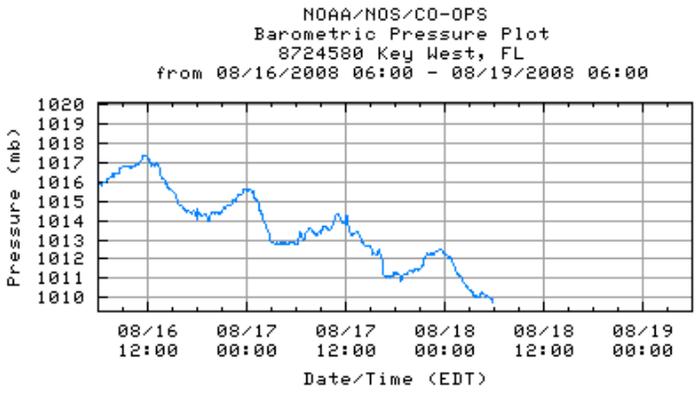
[Key West, FL - Station Map](#) [Return to List](#)



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

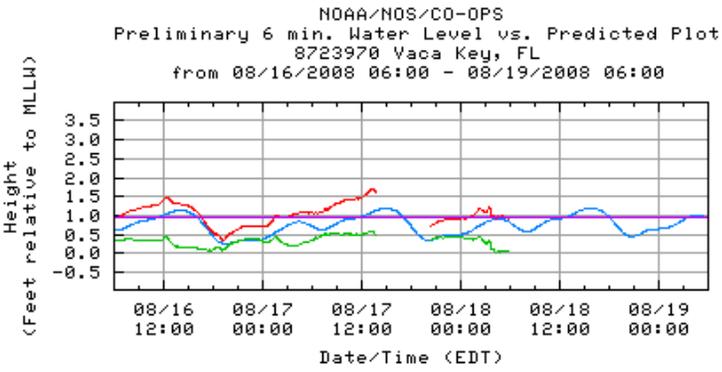


[Key West, FL - Station Map](#) [Return to List](#)



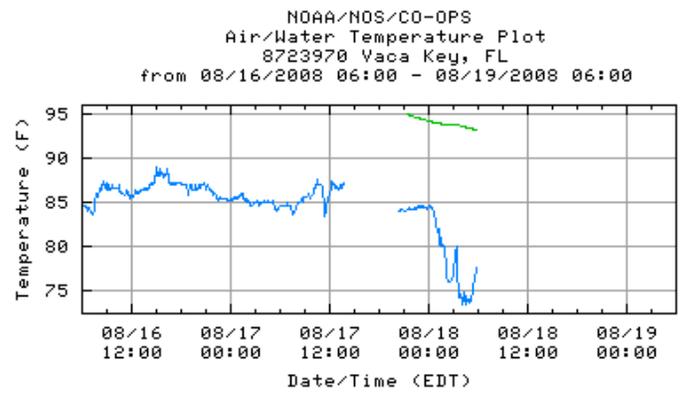
barometric pressure —
Last Observed Sample: 08/18/2008 05:48 (EDT)
Barometric Pressure: 1009.8 mb

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



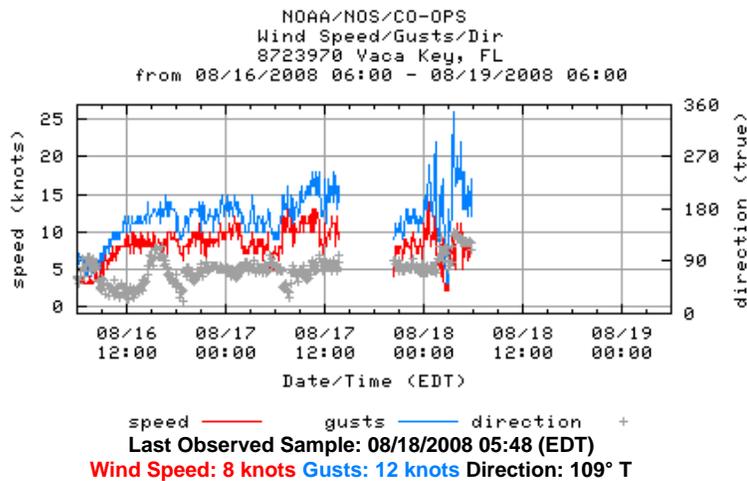
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —
Last Observed Sample: 08/18/2008 05:48 (EDT)
 Relative to **MLLW**: **Observed: 0.92 ft. Predicted: 0.84 ft. Residual: 0.08 ft.**
 Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

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

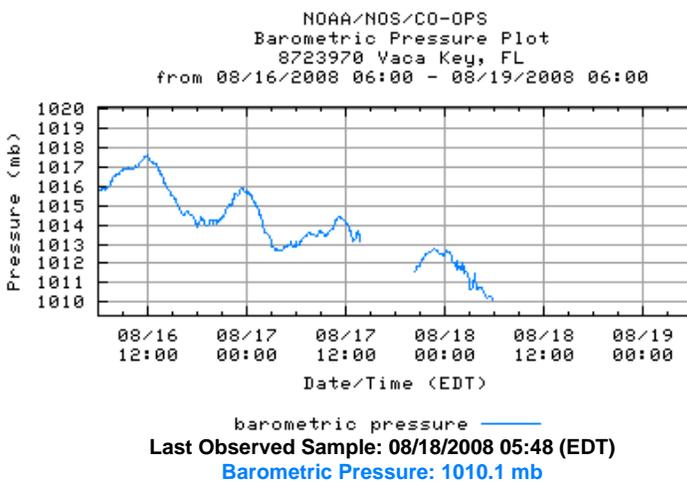


water temp. — air temp. —
Last Observed Sample: 08/18/2008 05:48 (EDT)
Water Temperature: 93.2° F Air Temperature: 77.7° F

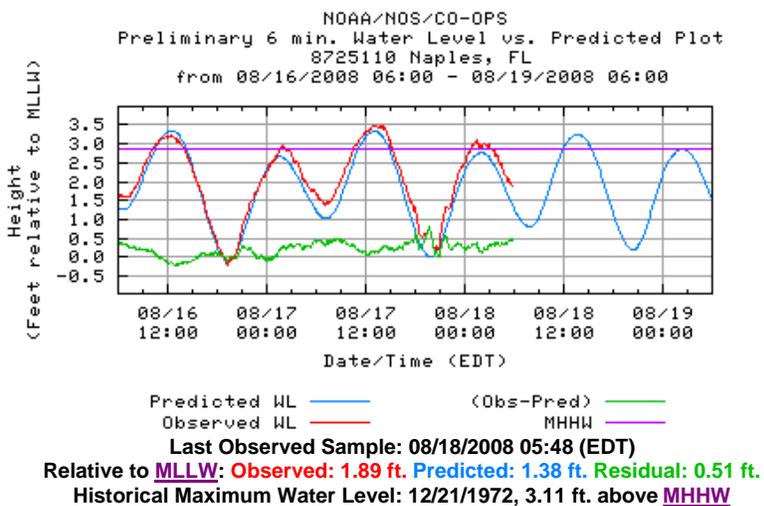
[Vaca Key, FL - Station Map](#) [Return to List](#)



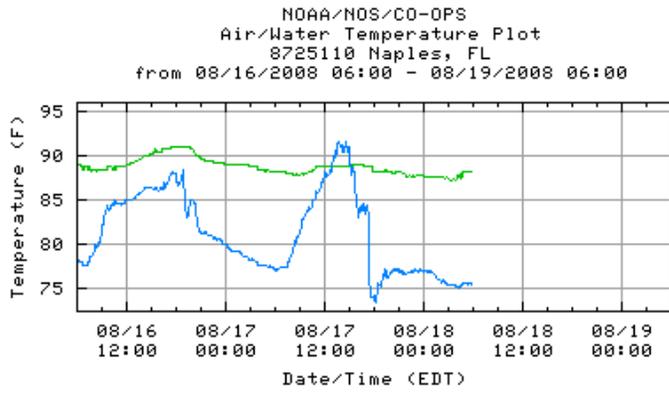
[Vaca Key, FL - Station Map](#) [Return to List](#)



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

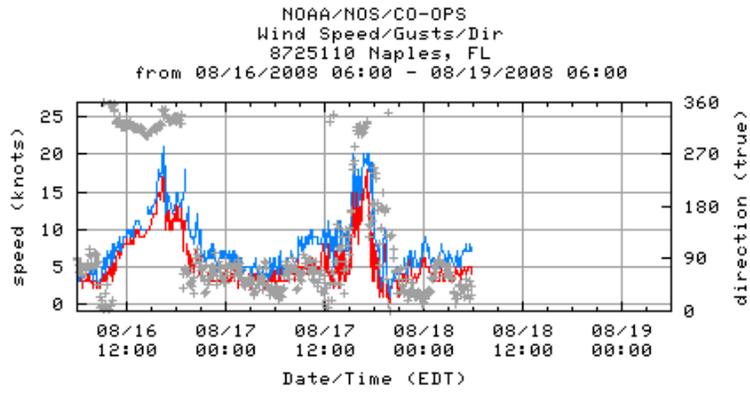


[Naples, FL - Station Map](#) [Return to List](#)



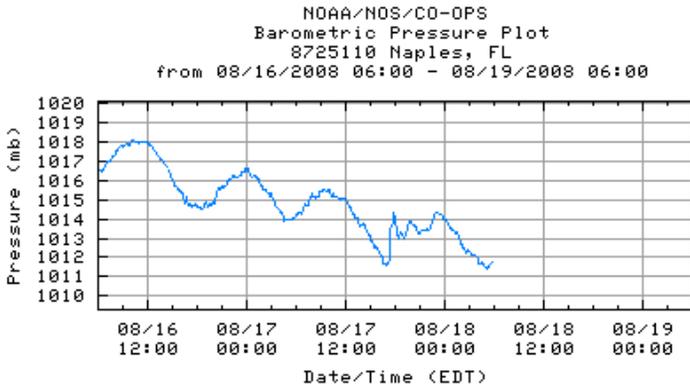
water temp. — air temp —
Last Observed Sample: 08/18/2008 05:48 (EDT)
Water Temperature: 88.3° F Air Temperature: 75.6° F

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



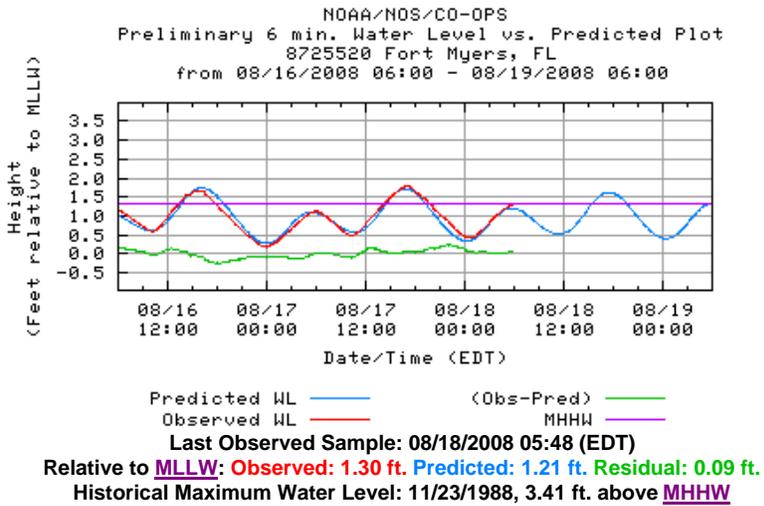
speed — gusts — direction +
Last Observed Sample: 08/18/2008 05:48 (EDT)
Wind Speed: 4 knots Gusts: 7 knots Direction: 044° T

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

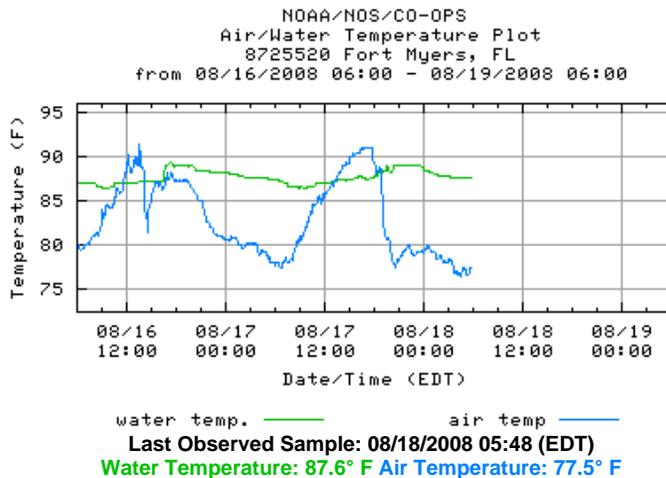


barometric pressure —
Last Observed Sample: 08/18/2008 05:48 (EDT)
Barometric Pressure: 1011.8 mb

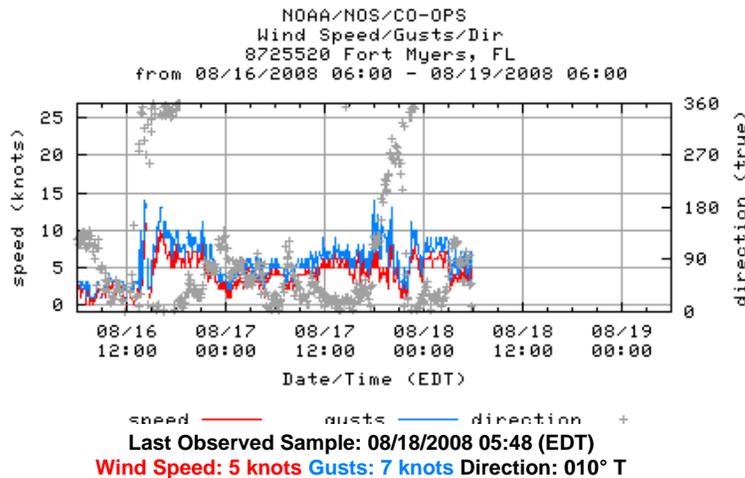
[Fort Myers, FL - Station Map](#) [Return to List](#)



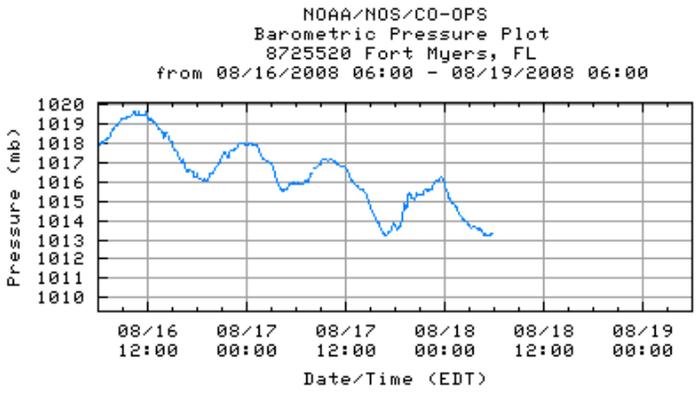
[Fort Myers, FL - Station Map](#) [Return to List](#)



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

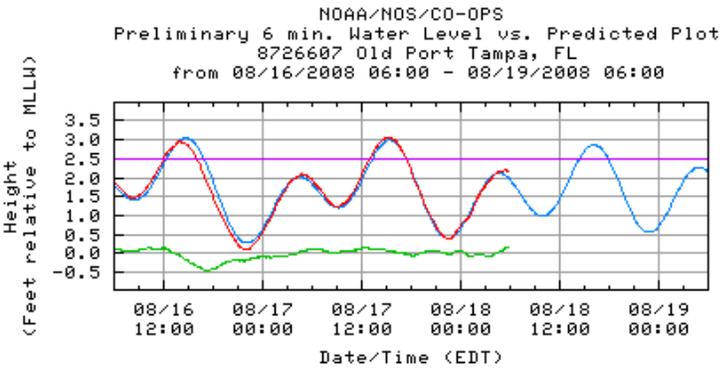


[Fort Myers, FL - Station Map](#) [Return to List](#)



barometric pressure —
Last Observed Sample: 08/18/2008 05:48 (EDT)
Barometric Pressure: 1013.3 mb

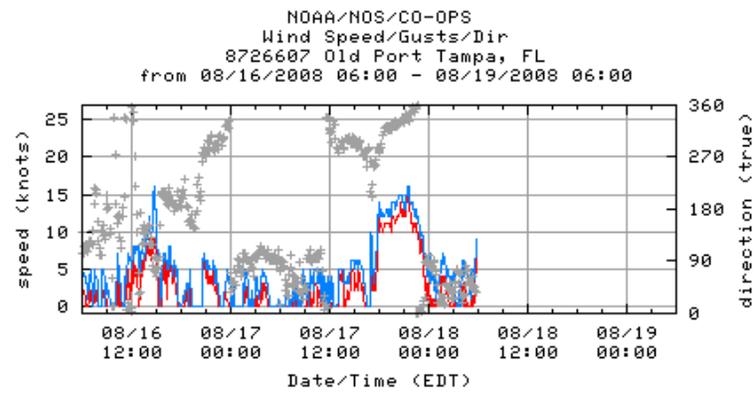
[Old Port Tampa, FL - Station Map](#) [Return to List](#)



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

Last Observed Sample: 08/18/2008 05:48 (EDT)
 Relative to **MLLW**: **Observed: 2.16 ft. Predicted: 1.99 ft. Residual: 0.17 ft.**
 Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

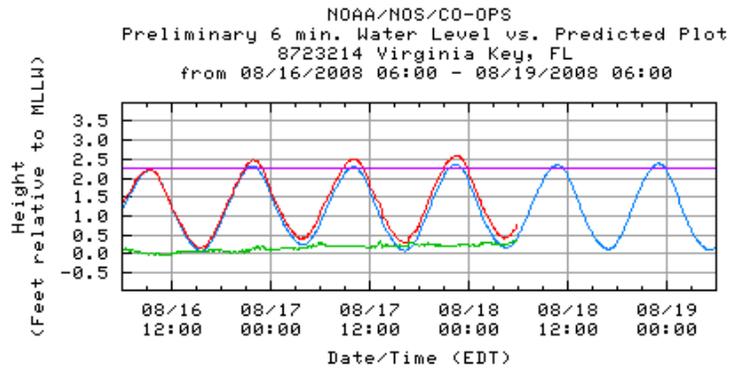
[Old Port Tampa, FL - Station Map](#) [Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/18/2008 05:48 (EDT)
Wind Speed: 7 knots Gusts: 9 knots Direction: 037° T

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



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

Last Observed Sample: 08/18/2008 05:48 (EDT)
Relative to MLLW: Observed: 0.76 ft. Predicted: 0.40 ft. Residual: 0.36 ft.
Historical Maximum Water Level: 11/15/1994, 1.9 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