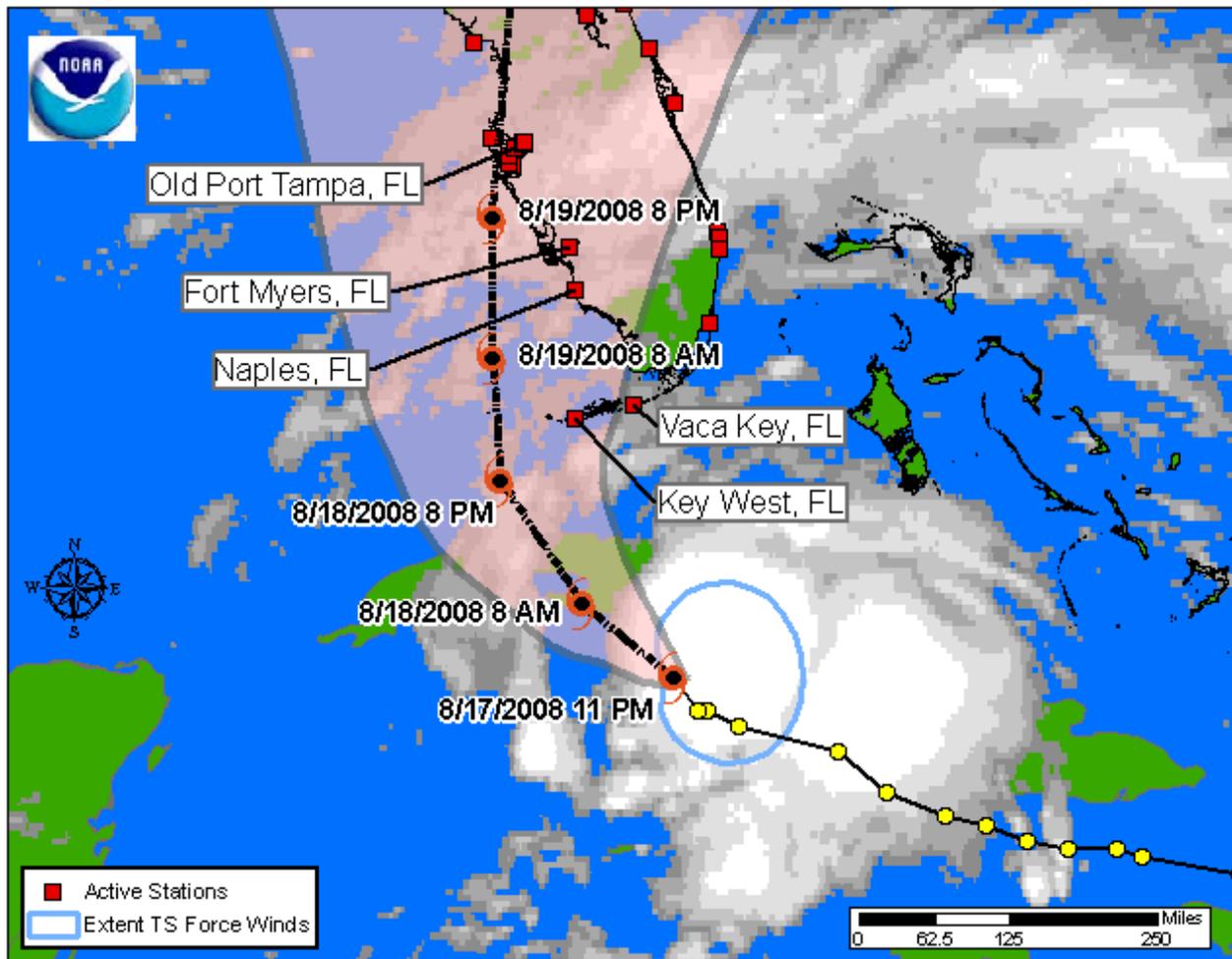




Tropical Storm FAY QuickLook
 Posted: 00:00 EDT 08/18/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/18/2008 00:00 EDT, water levels along the Florida Keys and Southern Florida are rising. 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 2.00 ft (0.61 m) at 08/18/2008 11:32 EDT.

Vaca Key, FL: Next predicted high tide is 0.90 ft (0.27 m) at 08/18/2008 04:36 EDT.

Naples, FL: Next predicted high tide is 2.77 ft (0.84 m) at 08/18/2008 02:00 EDT.

Fort Myers, FL: Next predicted high tide is 1.10 ft (0.34 m) at 08/18/2008 05:52 EDT.

Old Port Tampa, FL: Next predicted high tide is 2.12 ft (0.65 m) at 08/18/2008 04:39 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: ND

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM FAY ADVISORY NUMBER 10
1100 PM EDT SUN AUG 17 2008

FAY MOVING NORTHWESTWARD SOON TO MOVE OVER CUBA

A HURRICANE WATCH IS IN EFFECT FOR THE FLORIDA KEYS FROM 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. A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

AT 11 PM EDT 0300 UTC THE TROPICAL STORM WARNING IS EXTENDED EASTWARD ALONG THE FLORIDA KEYS TO OCEAN REEF. A TROPICAL STORM WARNING IS NOW IN EFFECT FOR THE FLORIDA KEYS FROM OCEAN REEF TO KEY WEST INCLUDING THE DRY TORTUGAS AND FLORIDA BAY. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WATCH REMAINS IN EFFECT FOR THE SOUTHEAST COAST OF FLORIDA FROM NORTH OF OCEAN REEF NORTHWARD TO JUPITER INLET AND FOR LAKE OKEECHOBEE. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

INTERESTS ELSEWHERE IN THE FLORIDA PENINSULA THE NORTHWESTERN BAHAMAS AND THE EASTERN GULF OF MEXICO SHOULD MONITOR THE PROGRESS OF FAY.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 1100 PM EDT 0300 UTC THE CENTER OF TROPICAL STORM FAY WAS LOCATED NEAR LATITUDE 21.4 NORTH LONGITUDE 80.6 WEST OR ABOUT 170 MILES 275 KM SOUTHEAST OF HAVANA CUBA AND ABOUT 235 MILES 375 KM SOUTH-SOUTHEAST OF KEY WEST FLORIDA.

FAY IS MOVING TOWARD THE NORTHWEST NEAR 10 MPH 17 KM/HR AND A TURN TOWARD THE NORTH IS EXPECTED DURING THE NEXT 1 TO 2 DAYS. ON THE FORECAST TRACK FAY IS EXPECTED TO CROSS WESTERN CUBA EARLY ON MONDAY AND MOVE NEAR THE FLORIDA KEYS MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH 85 KM/HR WITH HIGHER GUSTS. SOME STRENGTHENING IS POSSIBLE BEFORE THE CENTER CROSSES CUBA AND FAY COULD BE APPROACHING HURRICANE STRENGTH WHEN IT NEARS THE FLORIDA KEYS MONDAY NIGHT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES 165 KM FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1001 MB 29.56 INCHES.

STORM TIDES OF 2 TO 4 FEET ABOVE NORMAL ARE POSSIBLE ALONG THE SOUTH COAST OF CUBA IN THE TROPICAL STORM WARNING AREA IN AREAS OF ONSHORE WINDS. TIDES OF 2 TO 4 FT ABOVE NORMAL ARE POSSIBLE IN THE FLORIDA KEYS IN THE WARNING AREA.

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

FAY IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES OVER MUCH OF CUBAWITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES ARE POSSIBLE OVER GRAND CAYMAN AND OVER THE CENTRAL BAHAMAS. HEAVY RAIN MAY BEGIN TO AFFECT THE FLORIDA KEYS AND SOUTH FLORIDA TONIGHT AND INTO MONDAY. RAINFALL TOTALS OF 4 TO 6 INCHES WITH MAXIMUM AMOUNTS OF 10 INCHES ARE POSSIBLE FOR THE FLORIDA KEYS AND SOUTH FLORIDA.

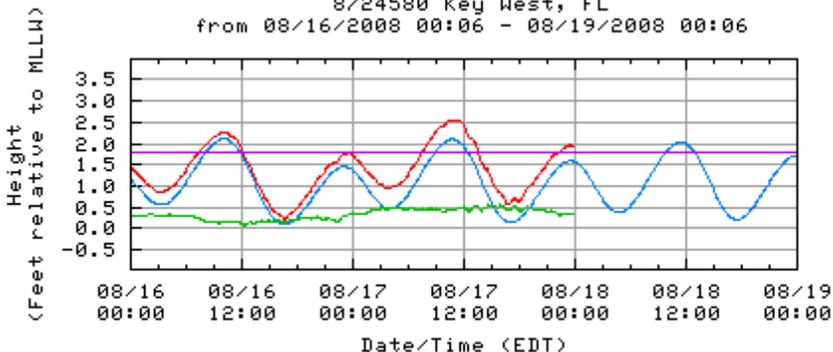
FORECASTER PASCH/ROBERTS

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](#),

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8724580 Key West, FL
 from 08/16/2008 00:06 - 08/19/2008 00:06



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

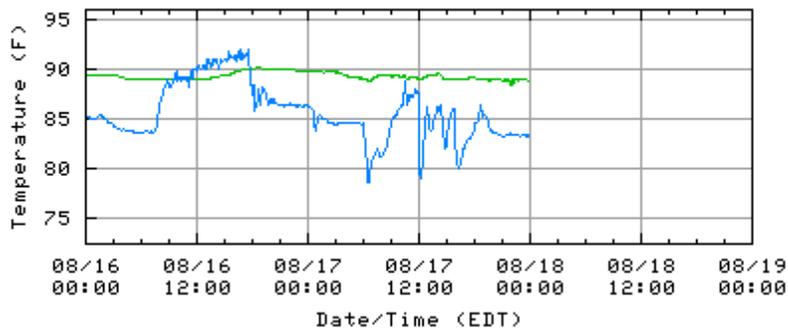
Last Observed Sample: 08/17/2008 23:54 (EDT)

Relative to **MLLW**: Observed: 1.92 ft. Predicted: 1.58 ft. Residual: 0.34 ft.

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

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

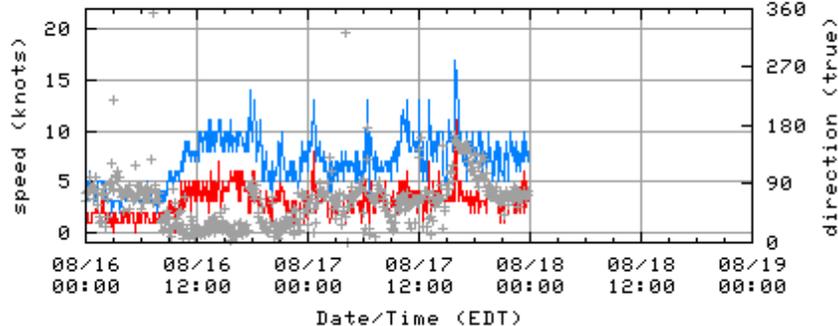
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8724580 Key West, FL
 from 08/16/2008 00:06 - 08/19/2008 00:06



water temp. — air temp —
Last Observed Sample: 08/17/2008 23:54 (EDT)
Water Temperature: 88.7° F Air Temperature: 83.5° F

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

NOAA/NOS/CO-OPS
 Wind Speed/Gusts/Dir
 8724580 Key West, FL
 from 08/16/2008 00:06 - 08/19/2008 00:06



speed — gusts — direction +
Last Observed Sample: 08/17/2008 23:54 (EDT)
Wind Speed: 3 knots Gusts: 7 knots Direction: 074° T

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

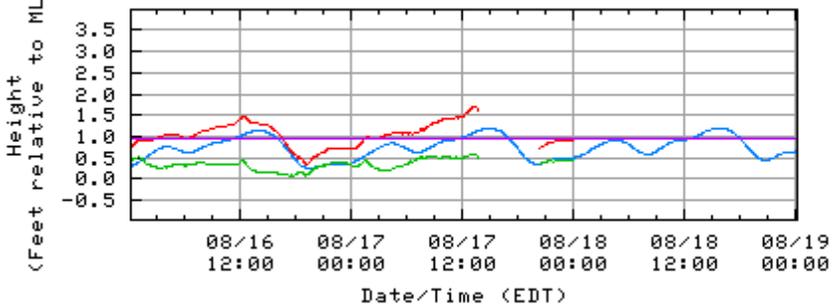
NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8724580 Key West, FL
 from 08/16/2008 00:06 - 08/19/2008 00:06



barometric pressure —
Last Observed Sample: 08/17/2008 23:54 (EDT)
Barometric Pressure: 1012.3 mb

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8723970 Vaca Key, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12

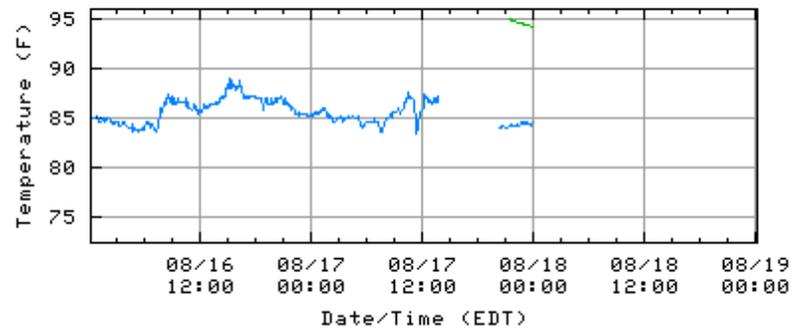


Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/18/2008 00:00 (EDT)
 Relative to **MLLW: Observed: 0.94 ft. Predicted: 0.50 ft. Residual: 0.44 ft.**
 Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

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

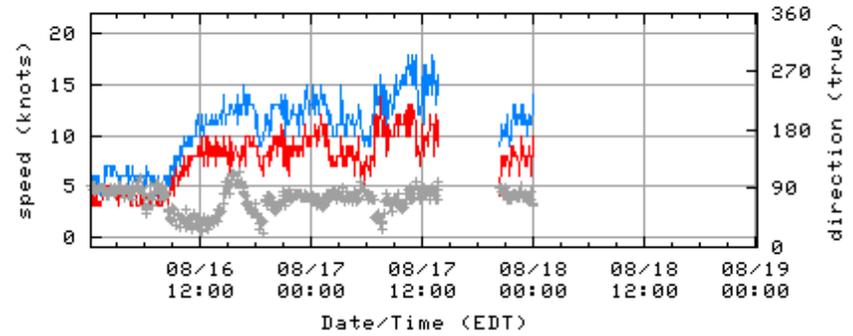
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8723970 Vaca Key, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



water temp. — air temp. —
Last Observed Sample: 08/18/2008 00:00 (EDT)
Water Temperature: 94.3° F Air Temperature: 84.6° F

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

NOAA/NOS/CO-OPS
 Wind Speed/Gusts/Dir
 8723970 Vaca Key, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



speed — gusts — direction +
Last Observed Sample: 08/18/2008 00:00 (EDT)
Wind Speed: 10 knots Gusts: 14 knots Direction: 064° T

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

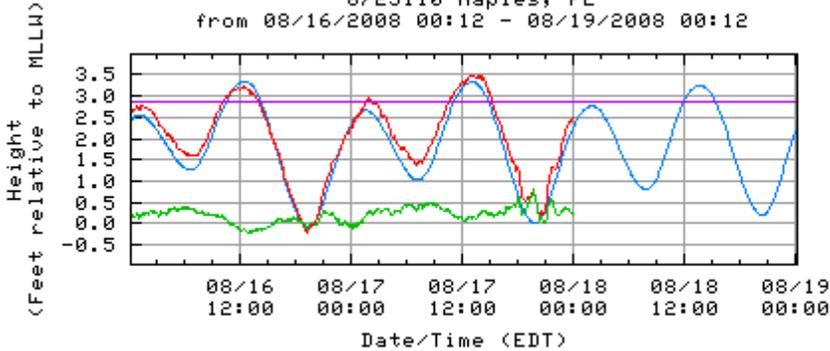
NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8723970 Vaca Key, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



barometric pressure —
Last Observed Sample: 08/18/2008 00:00 (EDT)
Barometric Pressure: 1012.5 mb

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8725110 Naples, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12

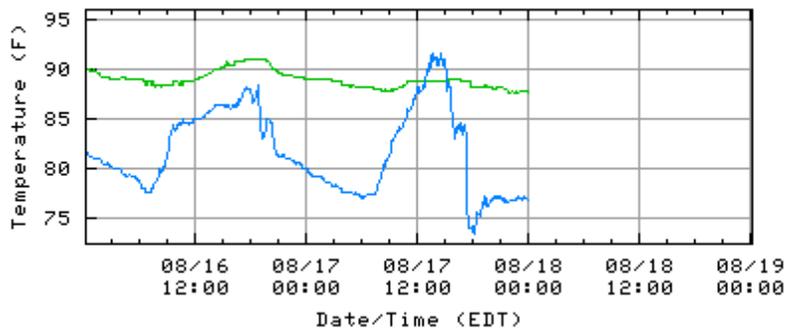


Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/18/2008 00:00 (EDT)
Relative to MLLW: Observed: 2.50 ft. Predicted: 2.28 ft. Residual: 0.22 ft.
Historical Maximum Water Level: 12/21/1972, 3.11 ft. above MHHW

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

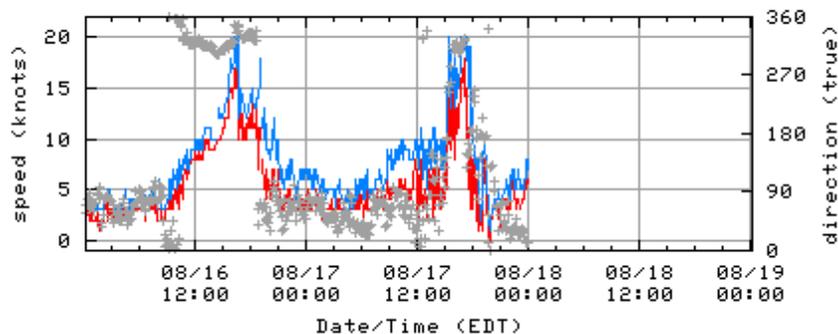
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8725110 Naples, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



water temp. — air temp —
Last Observed Sample: 08/18/2008 00:00 (EDT)
Water Temperature: 87.6° F Air Temperature: 76.8° F

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

NOAA/NOS/CO-OPS
 Wind Speed/Gusts/Dir
 8725110 Naples, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



speed — gusts — direction +
Last Observed Sample: 08/18/2008 00:00 (EDT)
Wind Speed: 6 knots Gusts: 8 knots Direction: 015° T

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

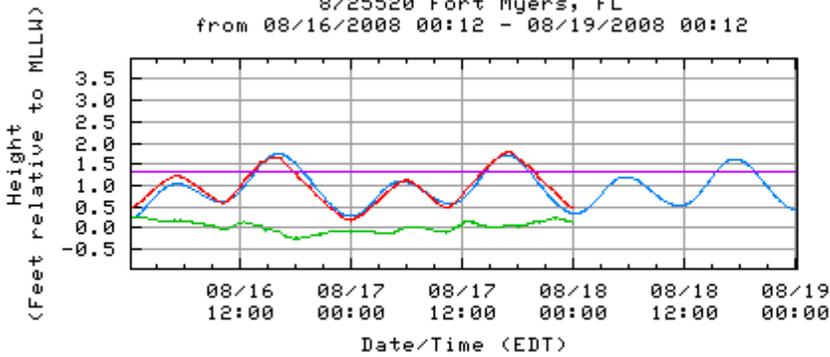
NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8725110 Naples, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



barometric pressure —
Last Observed Sample: 08/18/2008 00:00 (EDT)
Barometric Pressure: 1014.0 mb

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8725520 Fort Myers, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



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

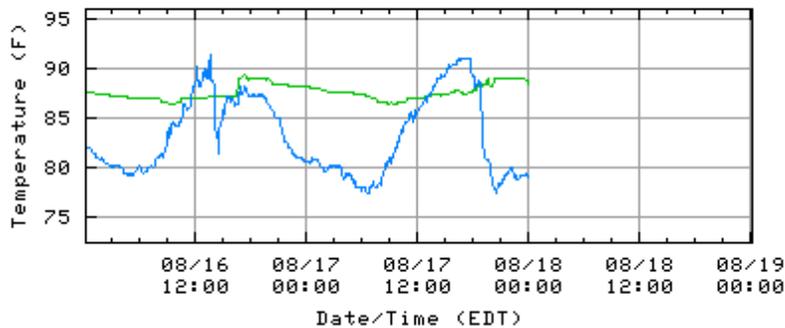
Last Observed Sample: 08/18/2008 00:00 (EDT)

Relative to **MLLW**: Observed: 0.47 ft. Predicted: 0.35 ft. Residual: 0.12 ft.

Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

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

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8725520 Fort Myers, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



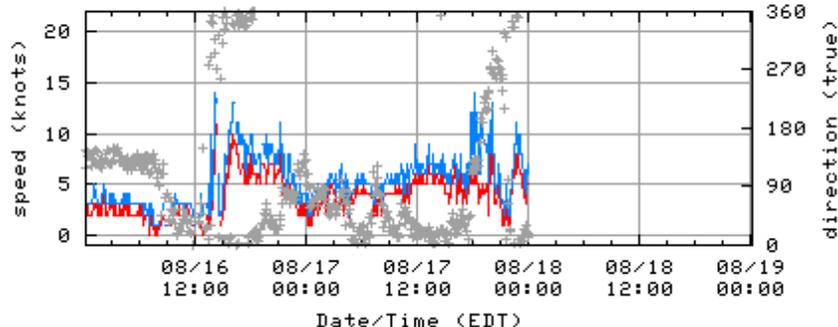
water temp. ——— air temp ———

Last Observed Sample: 08/18/2008 00:00 (EDT)

Water Temperature: 88.5° F Air Temperature: 79.3° F

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

NOAA/NOS/CO-OPS
 Wind Speed/Gusts/Dir
 8725520 Fort Myers, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



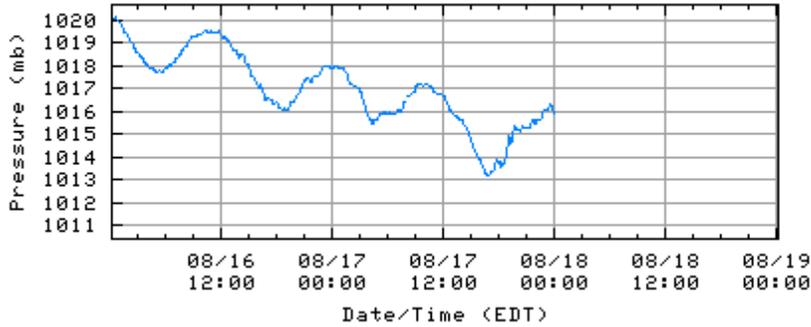
speed ——— gusts ——— direction +

Last Observed Sample: 08/18/2008 00:00 (EDT)

Wind Speed: 5 knots Gusts: 6 knots Direction: 017° T

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

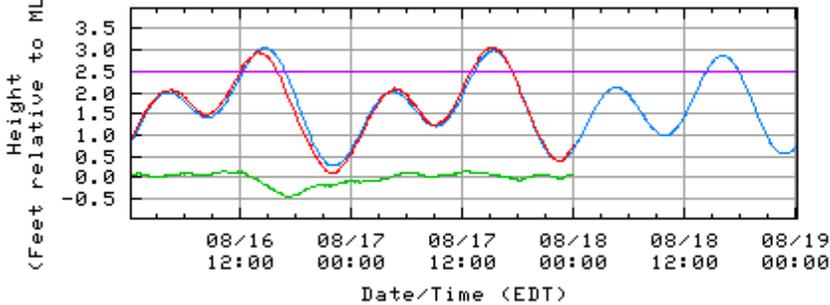
NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8725520 Fort Myers, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12



barometric pressure —
Last Observed Sample: 08/18/2008 00:00 (EDT)
Barometric Pressure: 1015.9 mb

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

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8726607 Old Port Tampa, FL
 from 08/16/2008 00:12 - 08/19/2008 00:12

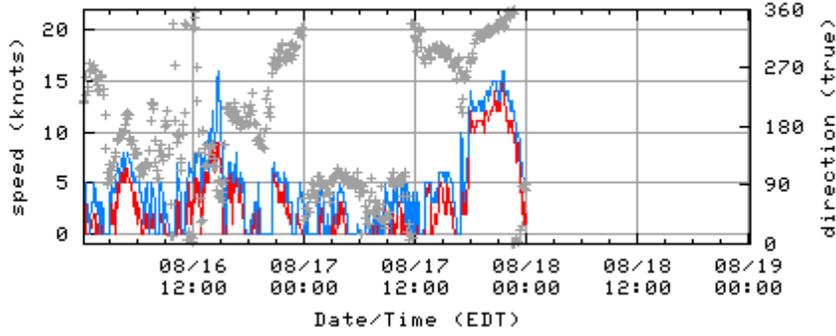


Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/18/2008 00:00 (EDT)
 Relative to **MLLW: Observed: 0.75 ft. Predicted: 0.66 ft. Residual: 0.09 ft.**
 Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

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

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8726607 Old Port Tampa, FL
from 08/16/2008 00:12 - 08/19/2008 00:12



speed — gusts — direction +
Last Observed Sample: 08/18/2008 00:00 (EDT)
Wind Speed: 2 knots Gusts: 5 knots Direction: 090° T

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