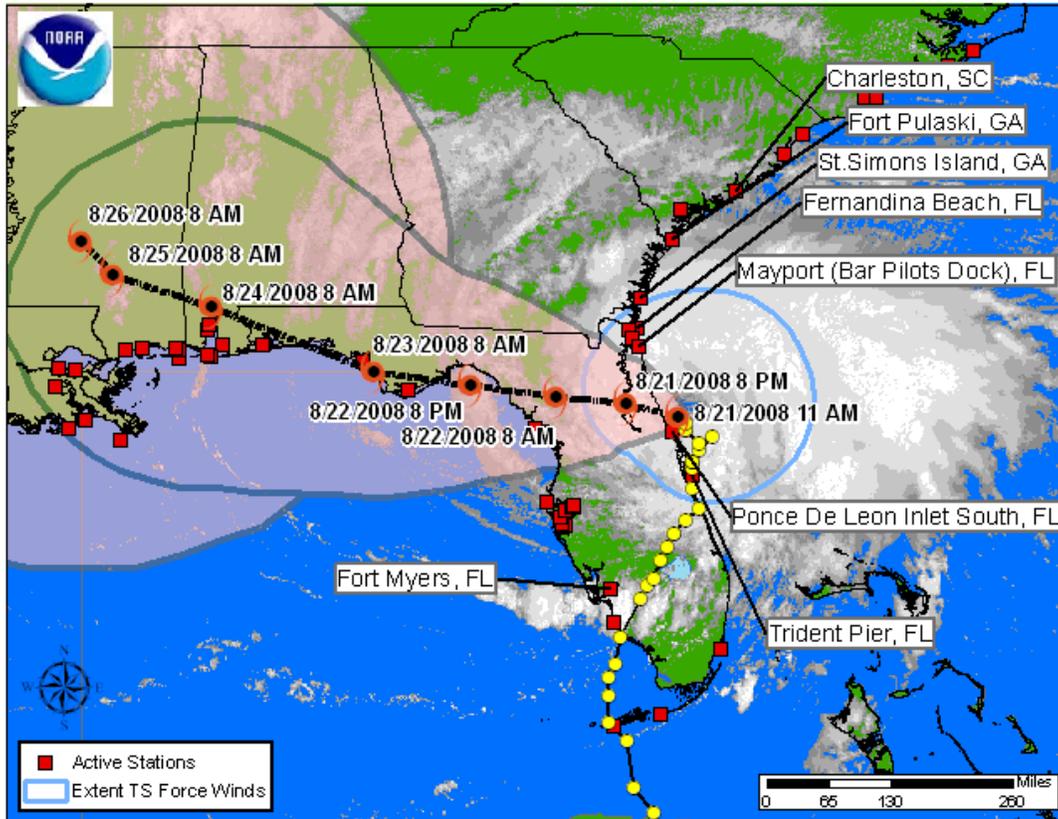




Tropical Storm FAY QuickLook
Posted: 12:00 EDT 08/21/2008



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/21/2008 12:00 EDT, water levels from northeastern Florida to South Carolina are elevated about 0.9 to 1.6 feet above predicted. Water levels at Fort Myers, FL remain elevated by about 1 foot, however water levels have returned to normal at many locations on the west coast of Florida. Water levels are also returning to normal at Trident Pier, FL. Barometric pressure is falling at Fernandina Beach, FL. Winds are increasing at Fort Pulaski, GA with some gusts over 30 knots recorded. Wind speeds continue to decrease at Trident Pier, FL but gusts over 25 mph are still being measured.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Ponce De Leon Inlet South, FL: Next predicted high tide is 3.51 ft (1.07 m) at 08/21/2008 12:18 EDT.

Mayport Bar Pilots, FL: Next predicted high tide is 5.19 ft (1.58 m) at 08/21/2008 12:27 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.72 ft (2.05 m) at 08/21/2008 12:42 EDT.

St. Simons Island, GA: Next predicted high tide is 8.08 ft (2.46 m) at 08/22/2008 00:18 EDT.

Fort Pulaski, GA: Next predicted high tide is 6.93 ft (2.11 m) at 08/22/2008 00:15 EDT.

Charleston, SC: Next predicted high tide is 5.32 ft (1.62 m) at 08/22/2008 00:00 EDT.

Trident Pier, FL: Next predicted high tide is 3.56 ft (1.09 m) at 08/21/2008 23:51 EDT.

Fort Myers, FL: Next predicted high tide is 1.12 ft (0.34 m) at 08/21/2008 20:06 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 24
1100 AM EDT THU AUG 21 2008

...FAY EXPECTED TO MOVE MOVE BACK OVER FLORIDA...BUT TAKING ITS TIME...

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM FORT PIERCE FLORIDA NORTHWARD TO THE SAVANNAH RIVER AT THE BORDER BETWEEN GEORGIA AND SOUTH CAROLINA.

AT 1100 AM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED ABOUT 15 MILES EAST-NORTHEAST OF DAYTONA BEACH FLORIDA.

FAY HAS BEEN STATIONARY DURING THE PAST SEVERAL HOURS. HOWEVER...A SLOW MOTION TOWARD THE WEST-NORTHWEST IS FORECAST TO BEGIN SOON AND CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK...FAY IS FORECAST TO MOVE SLOWLY ACROSS THE NORTHERN FLORIDA PENINSULA TODAY...AND BE VERY NEAR THE GULF COAST OF THE FLORIDA PANHANDLE BY LAT FRIDAY OR EARLY SATURDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 60 MPH WITH HIGHER GUSTS. NO SIGNIFICANT CHANGE IN STRENGTH IS EXPECTED BEFORE THE CENTER MOVES INLAND LATER TODAY. A GRADUAL WEAKENING IS FORECAST AFTER FAY MOVES BACK OVER THE FLORIDA PENINSULA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 150 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 994 MB...29.35 INCHES.

FAY IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES ACROSS THE CENTRAL TO NORTHERN PORTION OF THE FLORIDA PENINSULA...INCLUDING THE FLORIDA PANHANDLE...SOUTHERN GEORGIA...AND SOUTHEASTERN ALABAMA...WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE. RAINFALL TOTALS OF 2 TO 4 INCHES ARE POSSIBLE ACROSS THE COASTAL AREAS OF SOUTHERN SOUTH CAROLINA. ADDITIONAL RAINFALL AMOUNTS OF 1 TO 2 INCHES ARE POSSIBLE OVER SOUTHWEST AND SOUTHERN FLORIDA. ISOLATED STORM TOTAL ACCUMULATIONS OF 20 TO 30 INCHES HAVE BEEN OBSERVED WITH THIS SYSTEM OVER THE EAST CENTRAL COASTAL AREAS OF FLORIDA.

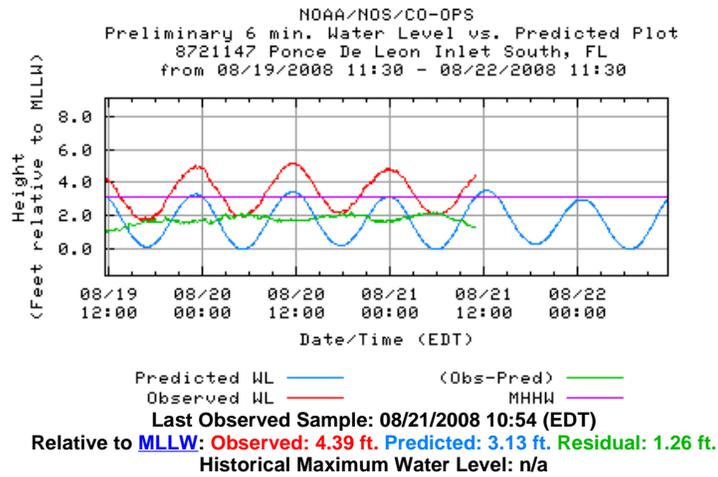
STORM SURGE FLOODING OF 1 TO 3 FEET ABOVE NORMAL TIDES IS POSSIBLE ALONG THE EAST COAST OF FLORIDA AND GEORGIA TO THE NORTH OF THE CENTER OF FAY.

FORECASTER AVILA

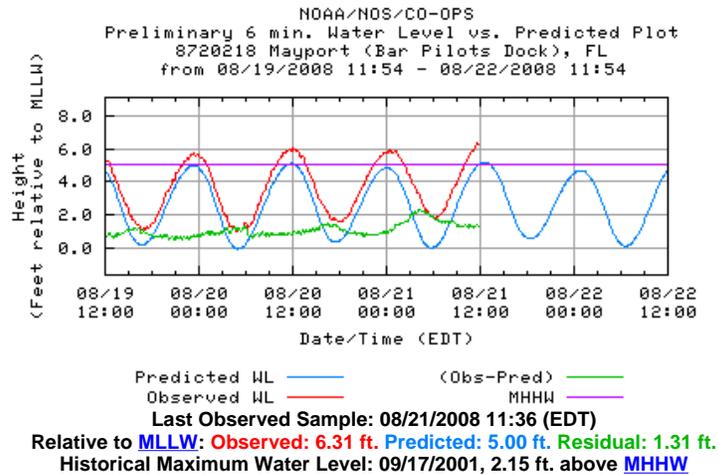
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Ponce De Leon Inlet South - Water Level](#),
[Mayport \(Bar Pilots Dock\) - Water Level](#), [Fernandina Beach - Water Level](#),
[Fernandina Beach - Air/Water Temp](#), [Fernandina Beach - Barometric](#),
[St.Simons Island - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#),
[Fort Pulaski - Air/Water Temp](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#),
[Trident Pier - Water Level](#), [Trident Pier - Air/Water Temp](#), [Trident Pier - Winds](#),
[Fort Myers - Water Level](#),

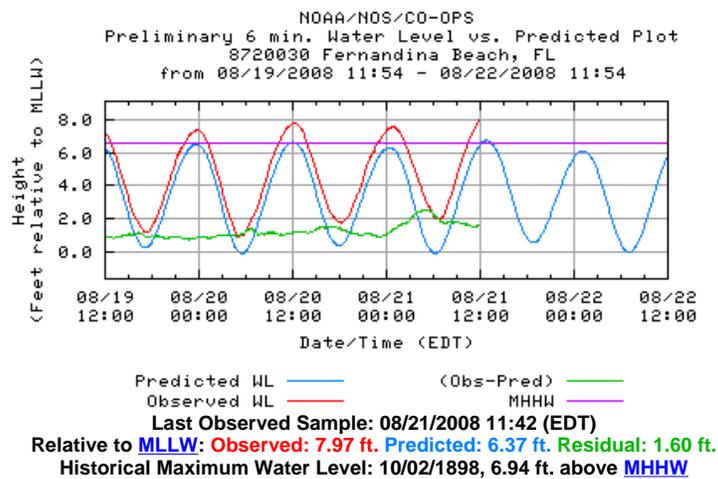
[Ponce De Leon Inlet South, FL - Station Map](#) [Return to List](#)



[Mayport \(Bar Pilots Dock\), FL - Station Map](#) [Return to List](#)

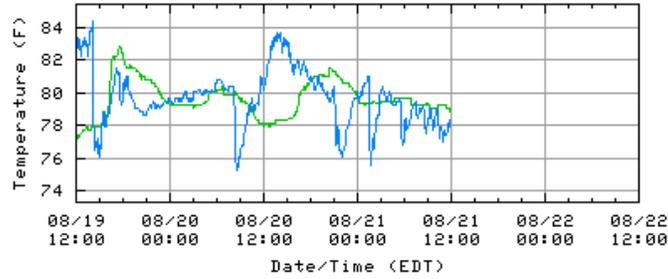


[Fernandina Beach, FL - Station Map](#) [Return to List](#)



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

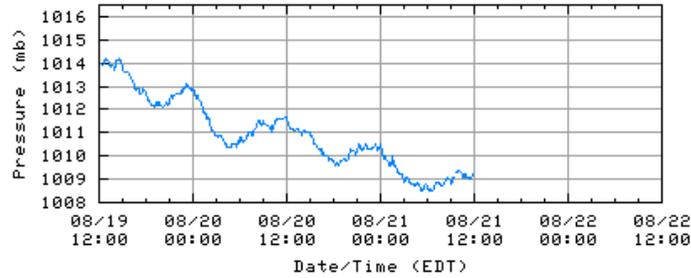
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8720030 Fernandina Beach, FL
 from 08/19/2008 11:54 - 08/22/2008 11:54



water temp. — air temp —
Last Observed Sample: 08/21/2008 11:42 (EDT)
Water Temperature: 78.8° F Air Temperature: 78.3° F

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

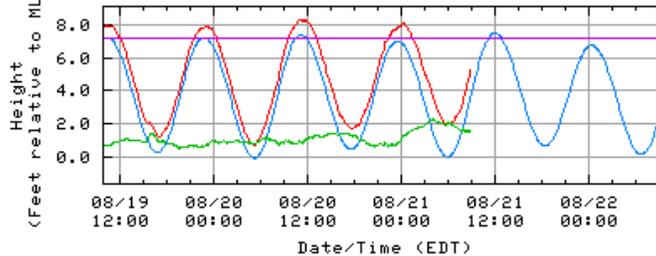
NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8720030 Fernandina Beach, FL
 from 08/19/2008 11:54 - 08/22/2008 11:54



barometric pressure —
Last Observed Sample: 08/21/2008 11:42 (EDT)
Barometric Pressure: 1009.2 mb

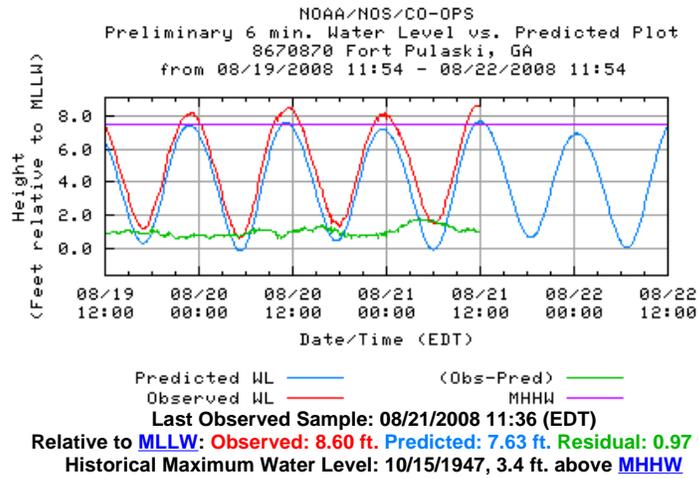
[St.Simons Island, GA - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8677344 St.Simons Island, GA
 from 08/19/2008 09:54 - 08/22/2008 09:54

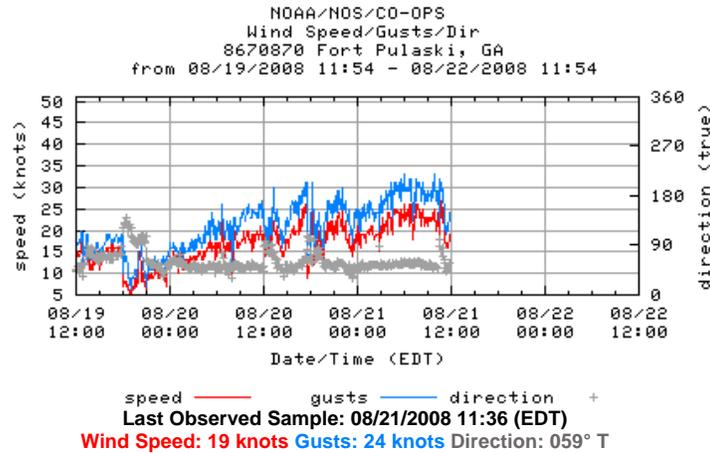


Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —
Last Observed Sample: 08/21/2008 08:54 (EDT)
Relative to MLLW: Observed: 5.21 ft. Predicted: 3.63 ft. Residual: 1.58 ft.
Historical Maximum Water Level: 07/22/2001, 2.41 ft. above MHHW

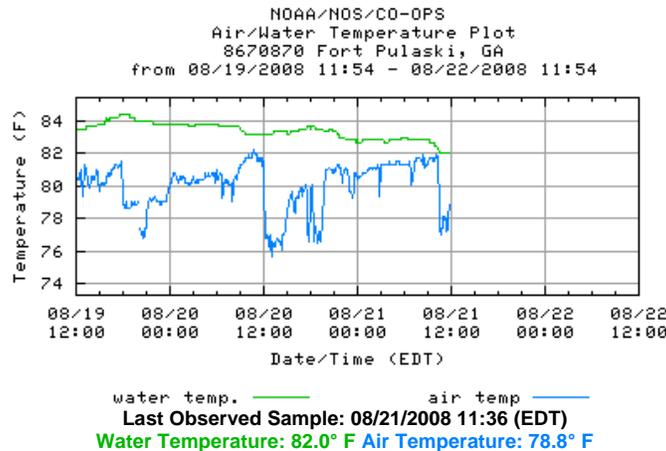
[Fort Pulaski, GA - Station Map](#) [Return to List](#)



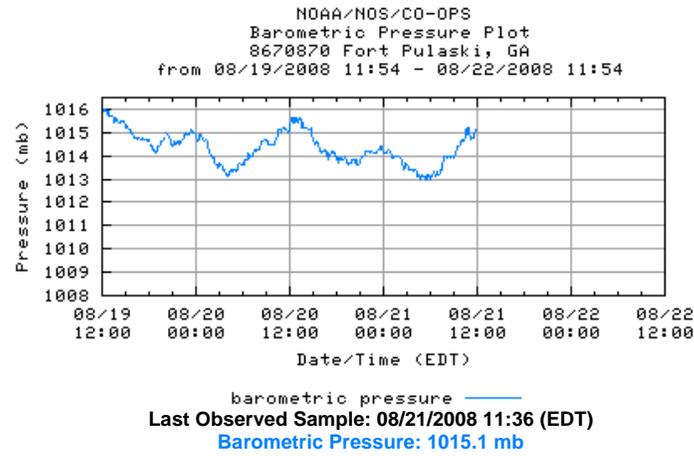
[Fort Pulaski, GA - Station Map](#) [Return to List](#)



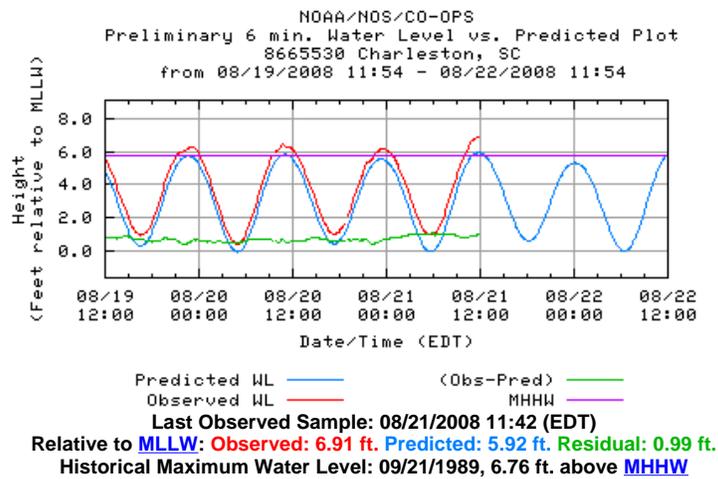
[Fort Pulaski, GA - Station Map](#) [Return to List](#)



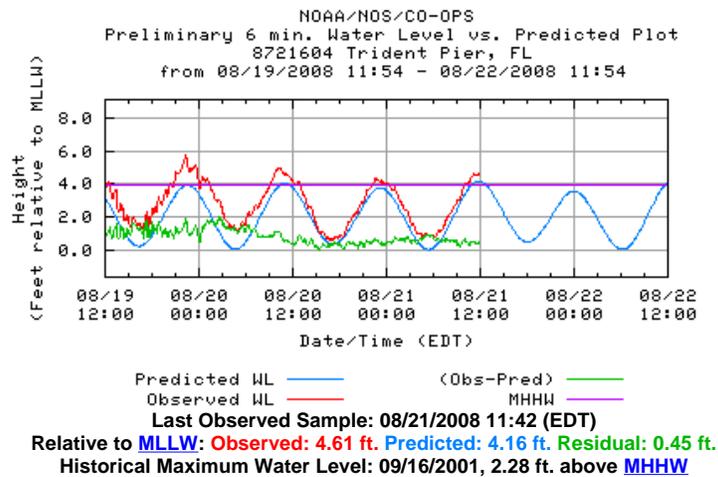
[Fort Pulaski, GA - Station Map](#) [Return to List](#)



[Charleston, SC - Station Map](#) [Return to List](#)



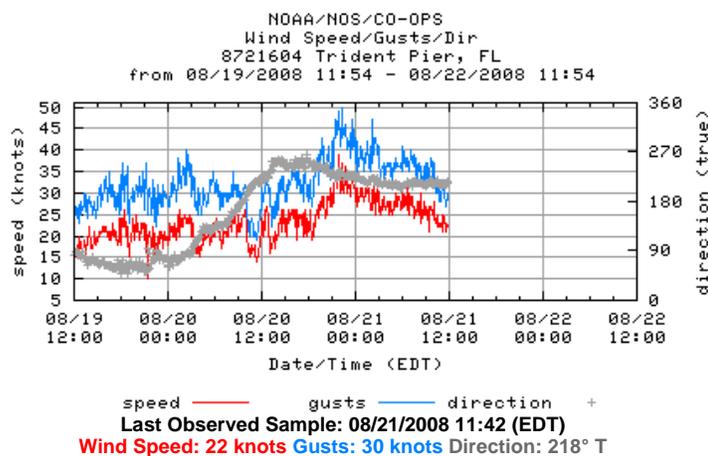
[Trident Pier, FL - Station Map](#) [Return to List](#)



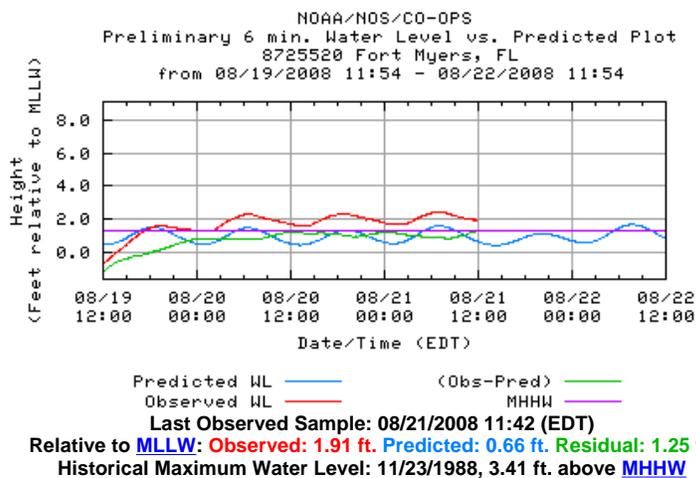
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[Fort Myers, FL - Station Map](#) [Return to List](#)



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National Oceanic and Atmospheric Administration | U.S. Department of Commerce