

# NWS Melbourne Marine Web Letter

August 2013 (For Marine Forecast Questions 24/7: call 321-255-0212, ext. 2)

[Marine Links relevant to East Central Florida](#)

## Buoy 41010

It is hoped that this buoy, which went adrift in February, will be redeployed by mid to late September.

## Additional Marine Observations

I've added a web page that has most of the marine observations along the east coast. <http://www.srh.noaa.gov/mlb/?n=marob>

Note that wind/wave data became available at [Sebastian Inlet](#) via the National Data Buoy Center earlier this year. There are also some web cams with wind data. One, at [Jensen Beach](#), has [wave](#) data too.

## Upwelling

Some on again, off again upwelling occurred over the continental shelf this summer. This is not unusual. South to southeast winds (near shore parallel) are the primary cause of periodic upwelling.

In some years, these winds are persistent and stronger than normal, which produces more prolific upwelling. In [2003](#), water temps in the upper 50s occurred in mid August at Daytona Beach! Typically the upwelling diminishes by late August or September.

## Nearshore Wave Prediction System

We will soon upgrade our nearshore wave model (SWAN) to the Nearshore Wave Prediction System (NWPS). One enhancement is that Gulf Stream data will be incorporated back into the wave model. This will allow us to give better estimates for the position of the west wall of the Gulf Stream.

The wave model will again be able to generate higher wave heights in the Gulf Stream during northerly wind surges. Hopefully, this functionality will be ready by Fall when cold fronts start moving through again.

## Experimental National Marine Weather Web Portal

A new web portal for mariners is being developed: <http://preview.weather.gov/mwp>

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