Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

13 November 2002

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: November 8, 2002

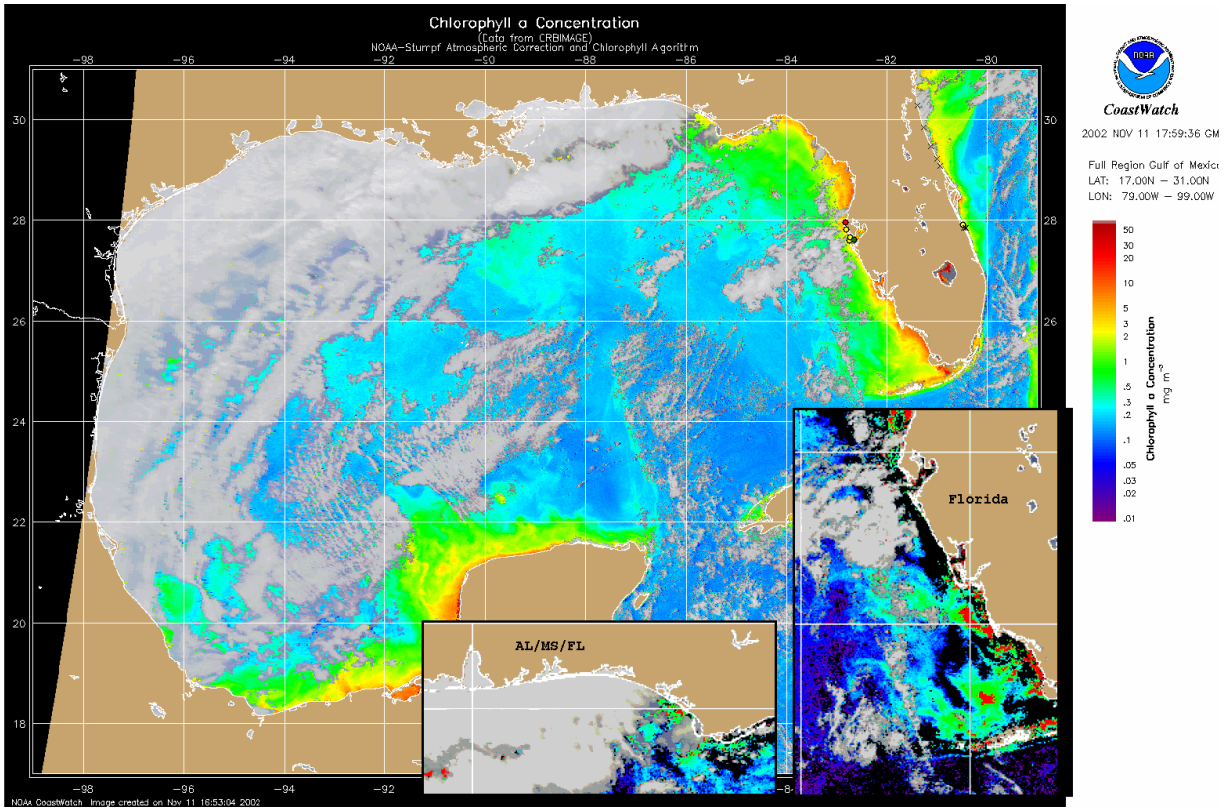
Analysis

SW: Bloom has diminished some near Sanibel. Higher concentrations to south but offshore (centered at 82W,26N). No apparent feature in Clearwater area, but imagery is poorly resolved.

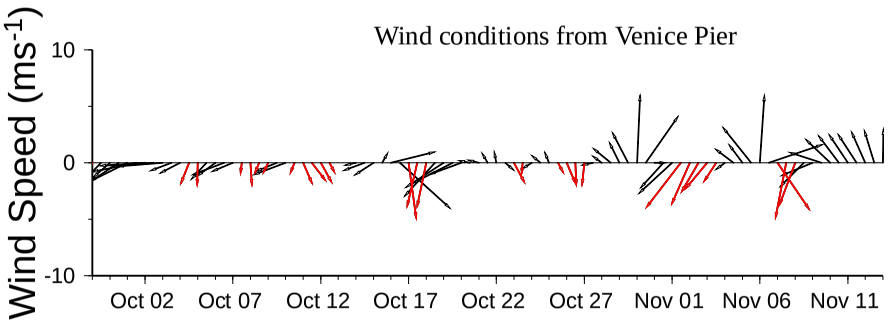
East: Winds have been promoting a general bloom of non-toxics north of Canaveral. Continued complexity in the Gulf Stream in Canaveral area. Any Karenia should remain constrained to vicinity of Canaveral to 28N. Attention should be paid to easterlies and northerlies that may occur on week. However, if southerlies of the last few days pushed the bloom back to the Gulf Stream it may dissipate.

NW. No clear evidence of a bloom from imagery.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from November 7, 2002 shown as red squares (high), red triangles (medium), red circles (low), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

Southerly winds on the east coast. Northerlies are expected on SE and SW Florida coasts through late Nov 14. Easterlies on Nov 15 should be watched.