

Gulf of Mexico Harmful Algal Bloom Bulletin

19 August 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

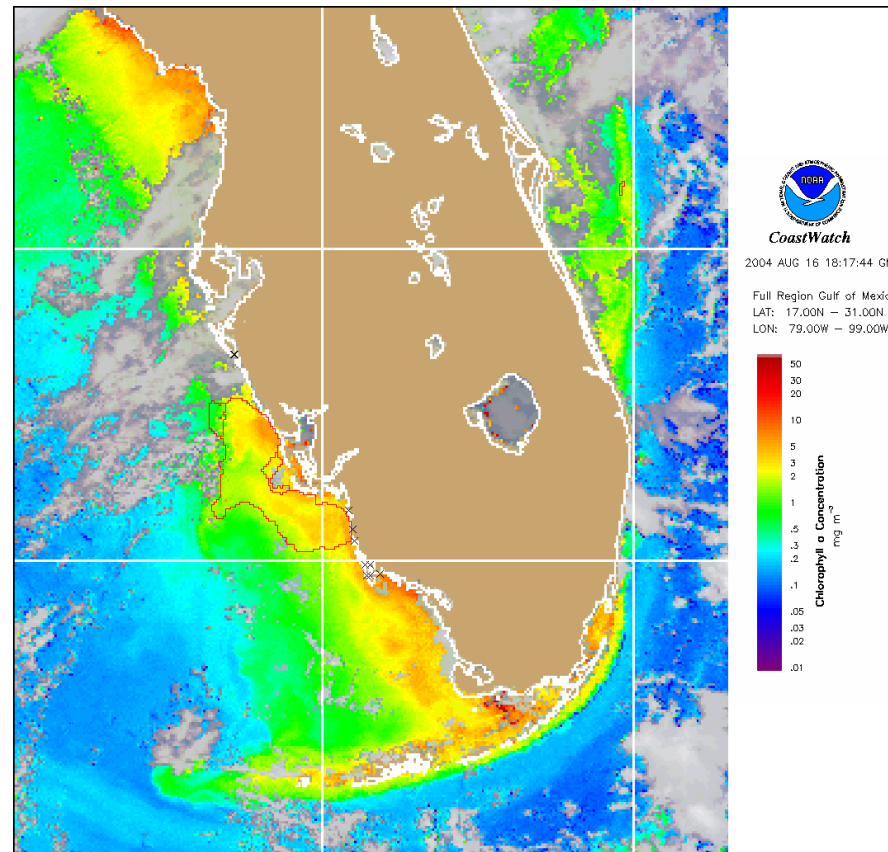
Last bulletin: August 2, 2004

Analysis

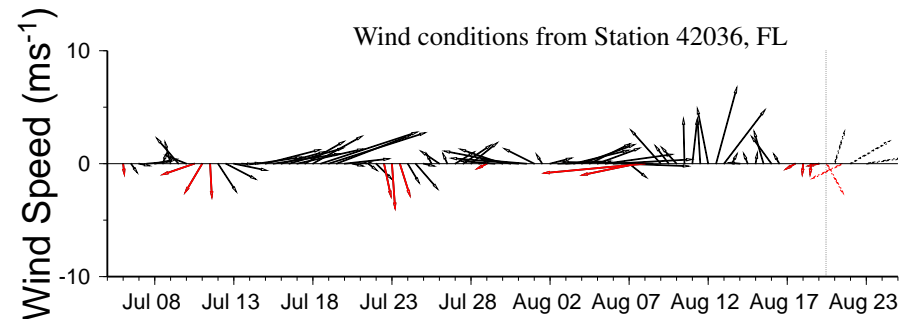
SW Florida:

Algal blooms developed from Venice to Naples in response to Hurricane Charley. Diatom blooms are common after hurricanes. Generally low to slightly moderate probability of *Karenia brevis* in the bloom area from Boca Grande to Venice. Low probability from Sanibel south. No development anticipated over next several days.

--Stumpf



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

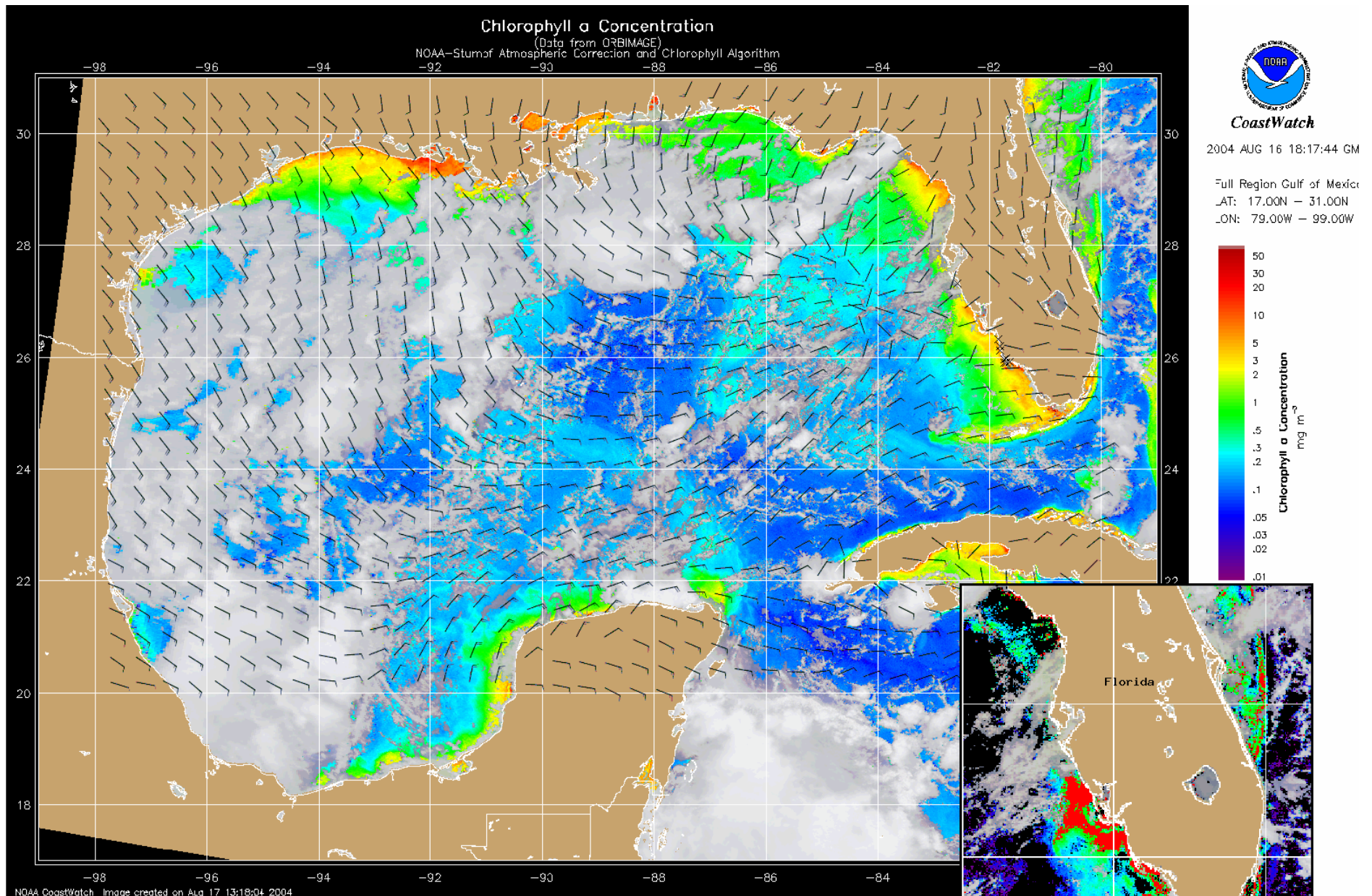


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

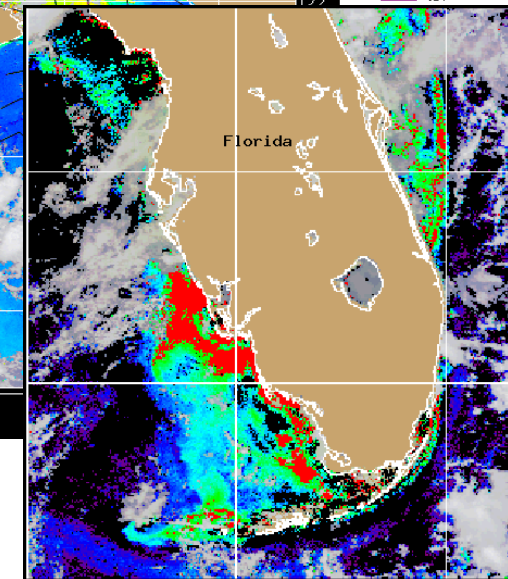
Variable forecast winds

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Chlorophyll concentration from satellite and forecast winds for August 20, 2004 00Z with cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)

