

Gulf of Mexico Harmful Algal Bloom Bulletin

24 September 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

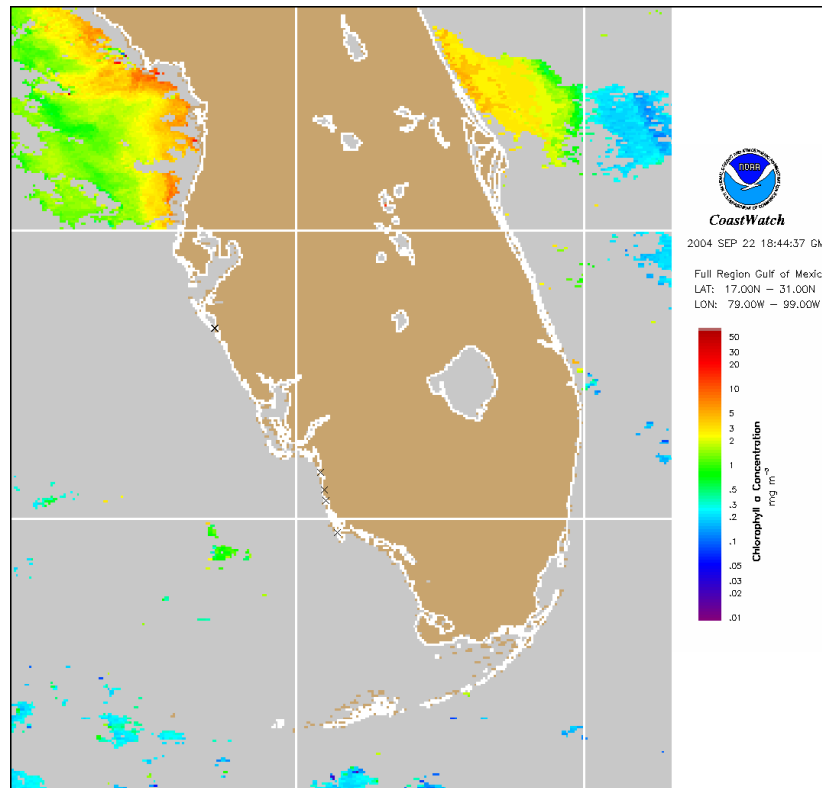
Last bulletin: September 21, 2004

Analysis

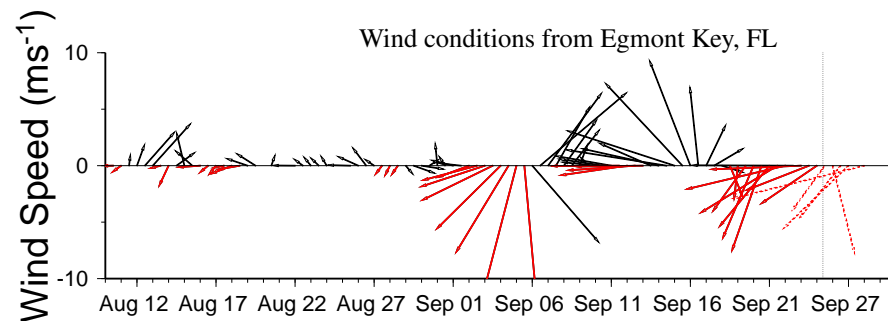
No harmful algal blooms have been found along Florida's coast. Two tropical storms will likely stir up the water, so some harmless water discoloration may occur over the weekend.

Clouds have obscured satellite imagery since last bulleting. Samples taken at Barefoot Beach, Clam Pass, Naples Pier, and Marco Island detect no *Karenia Brevis*. Depending on the track and strength of Ivan and Jeanne (Tropical Storm Ivan off the coasts of Louisiana and Texas, and Hurricane Jeanne off the coast of Florida), winds and waves could be strong with varying direction. These winds could cause resuspension of sediment and benthic chlorophyll. This may cause discolored water over the weekend.

Bronder, Stolz



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 22, 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).

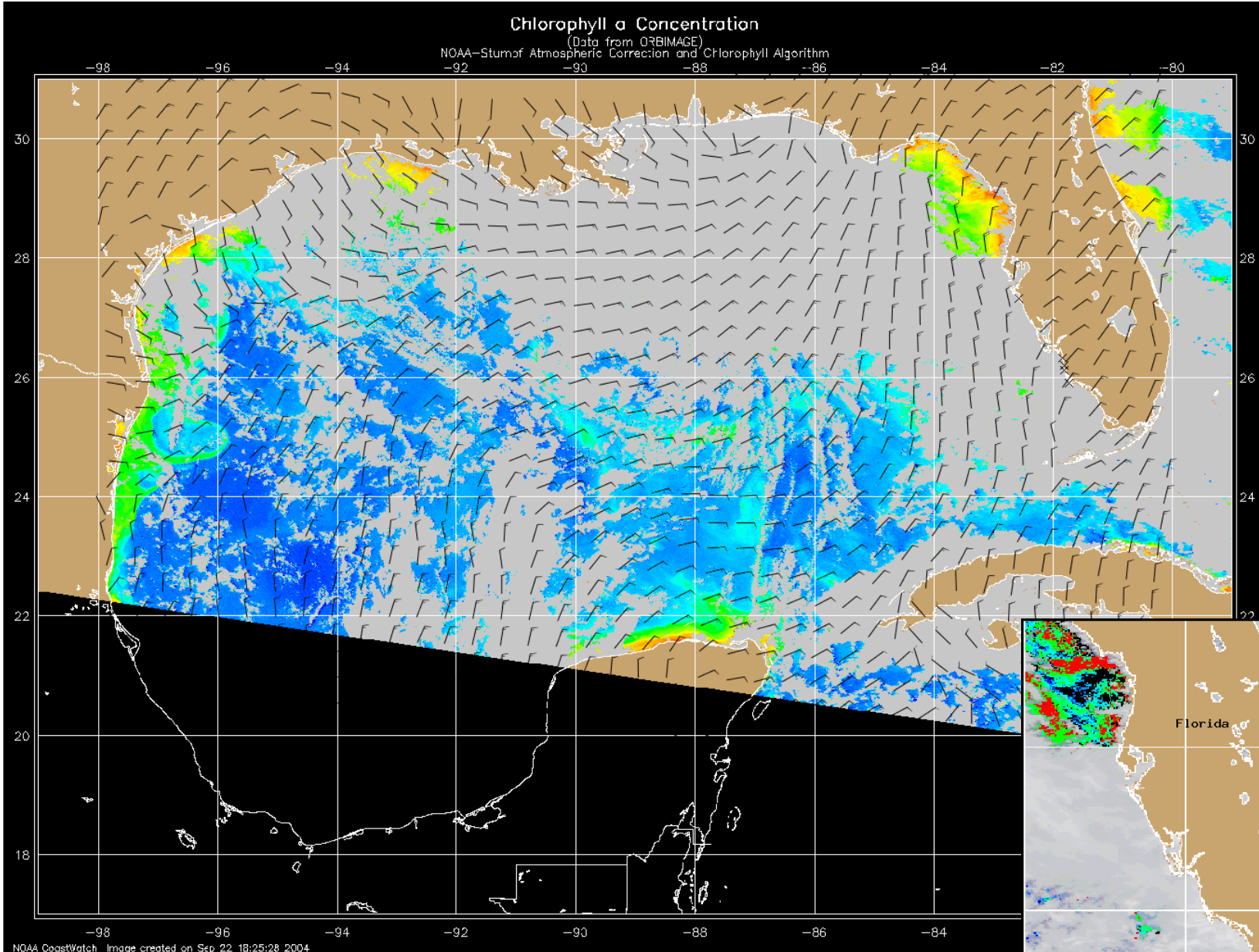


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

Southwest Florida: Winds have been out of the east for the past two days, and are forecasted to be northeasterly for the next couple of days. The NWS marine forecast calls for winds to become more northerly and strong over the weekend as Hurricane Jeanne approaches from the east.

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Chlorophyll concentration from satellite and forecast winds for September 25, 2004 00Z with cell concentration sampling data from September 22, 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)