



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

2 September 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: August 28, 2003

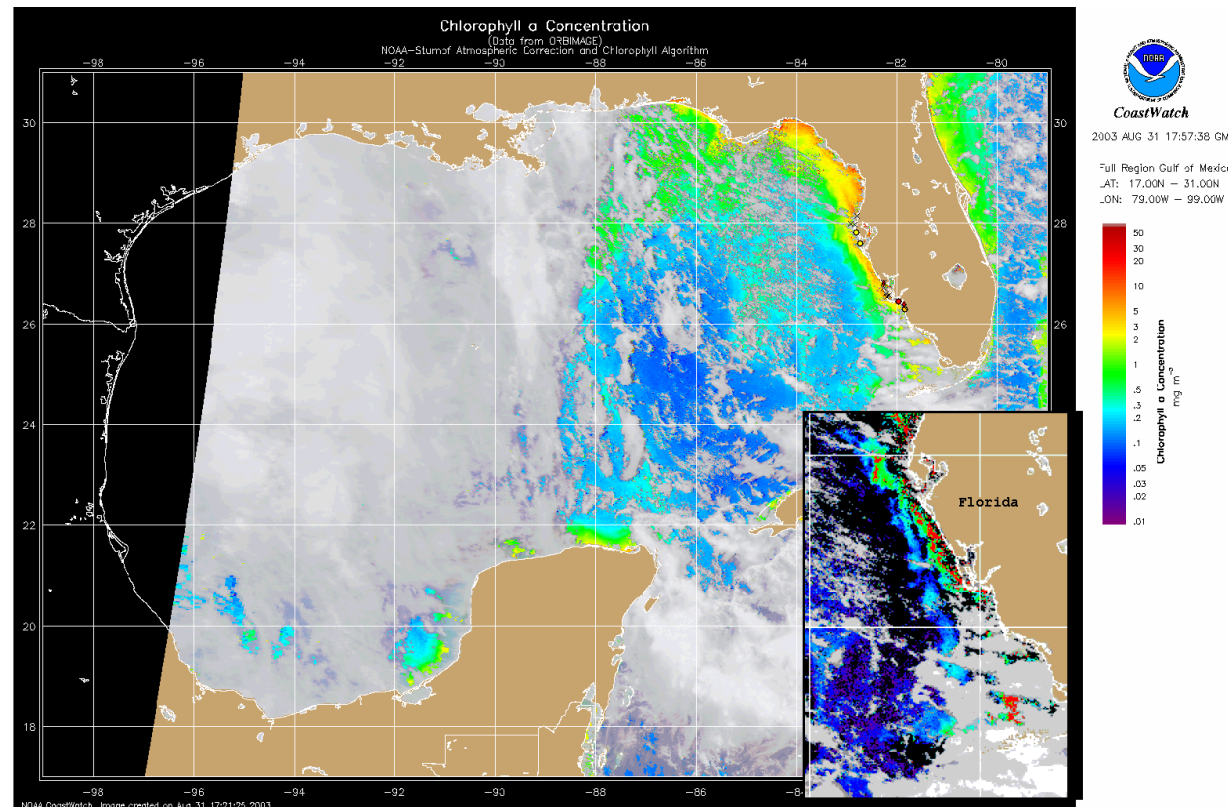
Analysis

Big Bend FL: continued NWrly movement of possible HAB, may now reach as far as 84.5W and 29N. Shift in winds to northerly should end the NWrly movement.

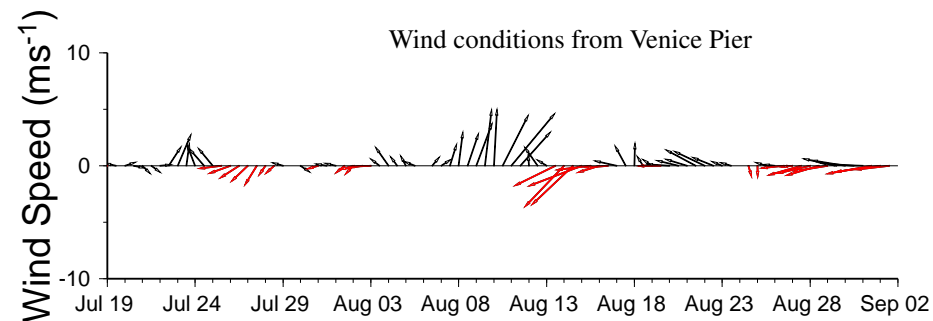
SW FL: Patchy features along coast. Areas of note are off Clearwater, near Sarasota, near Boca Grande, and south of Sanibel. Previously reported bloom of interest north of Pine Keys (81.5W) is still present.

Concerning reports of Caloosahatchee discharge, no change in conditions outside Sanibel. Winds have favored transport offshore and northward away from Keys. Conditions continue to favor movement of some northern Gulf water in the straits. Loop Current has spun off an eddy due south of Mississippi outfall, and appears to have moved eastward into Piney Point discharge area.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from August 26, 2003 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 NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

Winds have favored northwesterly transport since mid-August. A change is expected this week. Through Saturday (Sep 6) onshore transport favored, somenortherly transport may occur.

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