



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

2 August 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: July 16, 2004

Analysis

SW Florida. No *Karenia* reported in the area. Conditions do not favor bloom development.

Feature south of Naples (probably associated with onshore diatom bloom) has persisted in area about 82W 26N.

Feature off Sanibel-Captiva has intensified. Conditions over the last week have not favored development of *Karenia*. Diatoms and tri-chodesmium blooms have been reported to the north of that location, and may have entered this region. Although a short period early in development (July 23-24) favored *Karenia*, relatively low probability that it is *Karenia*.

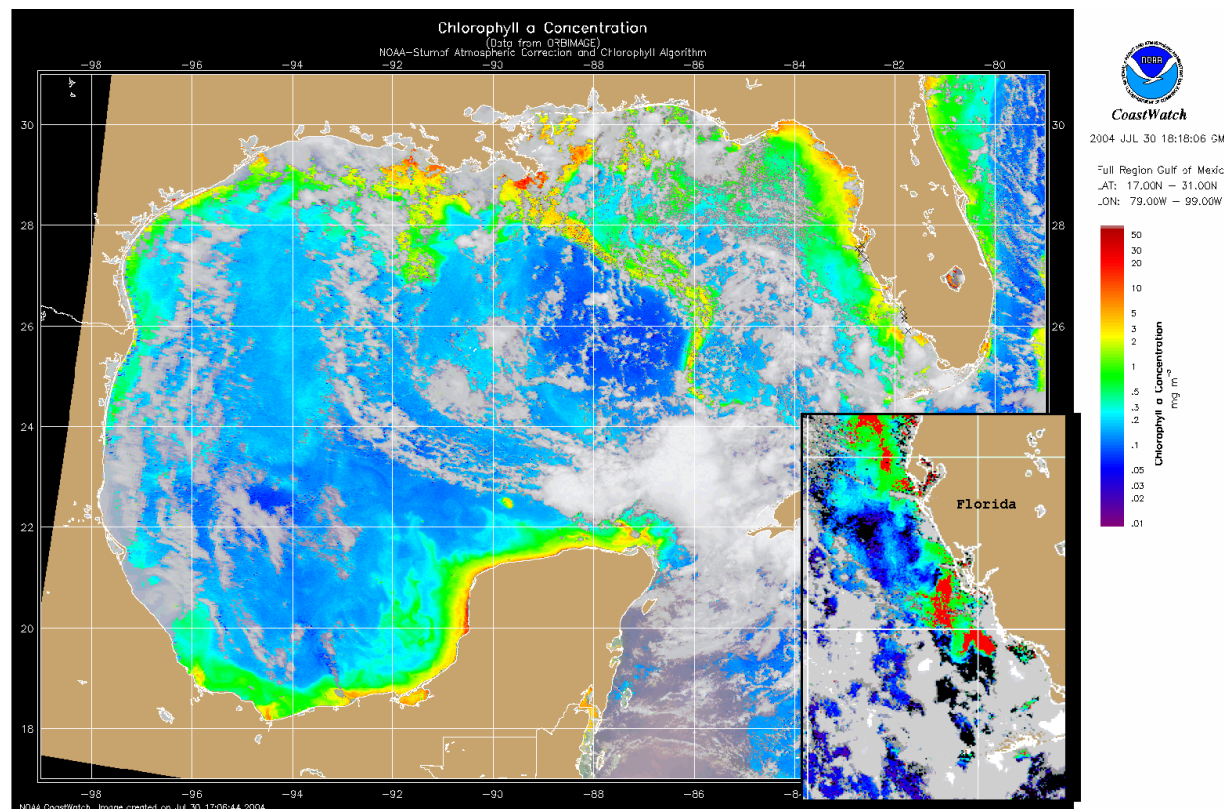
Other. Mississippi river water, carried along the Loop Current has reached the Florida Straits (past 82W). However it is south of 24N. Contact with lower and middle Keys is not likely. Chlorophyll is high enough that offshore boaters in middle and upper Keys may report discolored water later this week.

NW Florida. Conditions were weakly favorable for development during the last week of July. No *Karenia* indicators reported or identified.

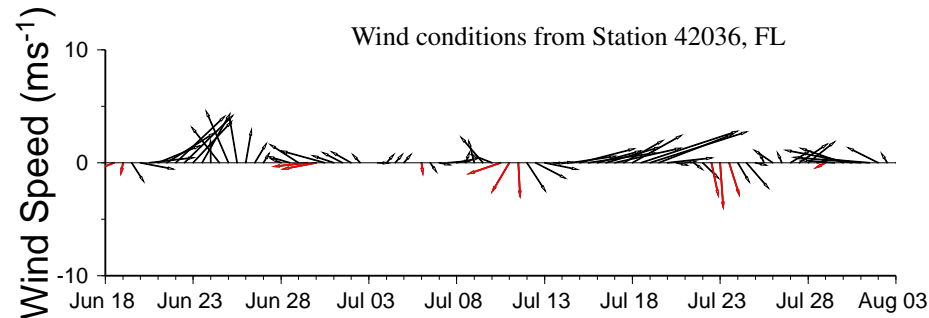
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Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from July 23, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very 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 NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

SW to W winds through to end of week (August 6).

