



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

14 January 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

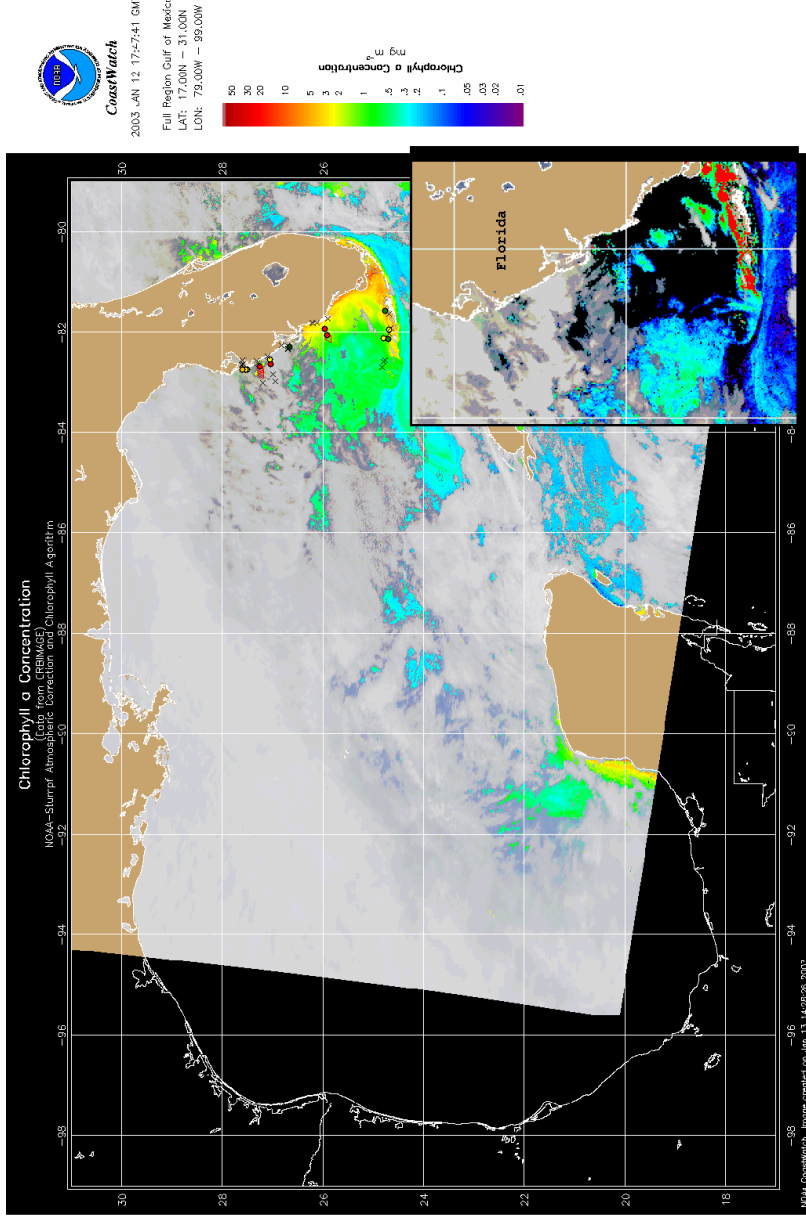
Last bulletin: January 14, 2003

Analysis

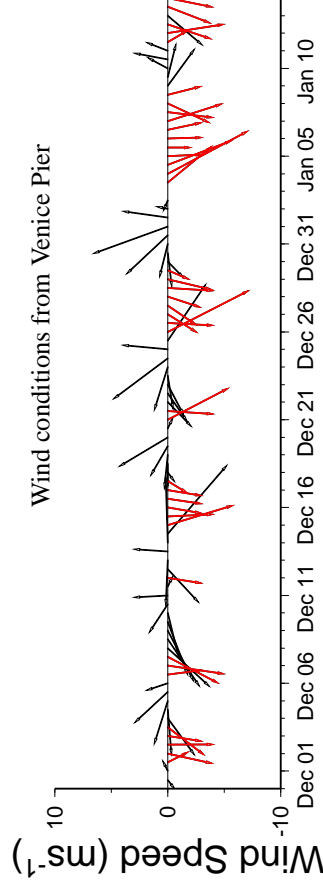
Florida Keys: Chlorophyll north of lower Keys varies around 4-8 ug/L, higher than normal. Chlorophyll of 3-5 ug/L extends past the Marquesas. With expected northerlies continuing for several days, the overall bloom should continue to push west and south, and pulled into the Florida Current.

Very low to low concentrations of *Karenia brevis* found in the bloom, which is dominated by several diatom species.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from January 9, 2003 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.

Continued north to northeast winds forecast until Friday, January 17.

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