



The goal of these hands-on exercises is to reinforce the concepts taught in the online tutorial, using simple examples, and to familiarize users with our website so they will know where to find each of the products. For each exercise, please follow along, starting from the main page of the NOAA Coral Reef Watch website: <http://coralreefwatch.noaa.gov/satellite/>.

Satellite Bleaching Alert (SBA) exercise

9. What was the highest alert level for the Virtual Stations in the US Virgin Islands and Bermuda in 2005? Based on these alerts, was bleaching predicted at these two locations?

- a. Return to the CRW homepage and navigate to the **US Virgin Islands** Virtual Station.
- b. On the time-series graph for 2004-05, look through the alerts that were issued during 2005. What was the highest alert level? Would bleaching have been predicted at this station?
- c. Go back one page to the Virtual Stations list. Locate **Bermuda**. On the time-series graph for 2004-05, look through the alerts that were issued during 2005. What was the highest alert level? Would bleaching have been predicted at this station?

SATELLITE BLEACHING ALERT PRODUCT ANSWER SHEET

9. In the US Virgin Islands, a **Bleaching Alert Level 2** was issued for DHWs over 8 °C-weeks in 2005. Widespread bleaching and some coral mortality would therefore be predicted for this Virtual Station. For the Bermuda Virtual Station, the highest alert issued was a **Bleaching Warning**. That means that DHWs never got above 4 °C-weeks, and significant bleaching was not expected. In fact, bleaching was very severe in the US Virgin Islands during 2005, with 40% mortality in some locations. On the other hand, Bermuda saw little to no bleaching during that same period due to much lower levels of thermal stress.