

UNOLS SWAB Program

- Operation SWAB was developed to help protect background ^{14}C and ^3H measurements from contamination. It is run by the University of Miami's Tritium Laboratory.
- Samples are collected from a 1 m^2 area using a water/count-off (radiological soap) mixture.
- Collected samples are centrifuged to remove suspended solids and then counted on a low-background LSC.

- Samples are collected and analyzed by a lab that has no stake in whether or not contamination is present. Reports of the results are delivered to the ship operators and scientists involved.
- A SWAB test should be performed on the ship and Rad Van after every cruise where ^{14}C or ^3H is used.
- There is no direct cost to the operating institution for a SWAB test.

Please visit:

<http://www.rsmas.miami.edu/groups/tritium>
and click on the SWAB Tab for more info,

or contact PI Jim Happell at:

(jhappell@rsmas.miami.edu, 305-421-4111)
to schedule a SWAB test.