

Tropical Atlantic ocean-atmosphere interaction

The selected student will

- Investigate the processes that drive variations of upper-ocean temperature, salinity, and currents in the tropical Atlantic and how that variability affects the atmosphere; and
- Explore how large-scale variability of the tropical Atlantic Ocean, including sea surface temperature, upper-ocean heat content, and salinity, affect hurricane intensification.

The student will work closely with researchers at NOAA/AOML and CIMAS.



Figure A moored buoy of the Prediction and Research Moored Array in the Tropical Atlantic (PIRATA) located at 4°N, 23°W.

<http://www.aoml.noaa.gov/phod/pne/index.php>