

Station Name:

Antares-Ubatuba

Type of Station (moored / ship-based) and Location (geographic region / latitude and longitude coordinates):

Ship-based;

23° 36.8'S – 44° 58.5'W

Southwestern-South Atlantic, Brazilian SE continental shelf.

Carbon and biogeochemistry measurements at the station (indicate the frequency of observations, the year measurements began, and if they are surface / full water column, etc.):

Monthly observations; since December 2004; 5 depths (0, 5, 10, 25, ~40 m)

In situ-simulated ¹⁴C primary production, chlorophyll, dissolved nutrients and oxygen, temperature-salinity (CTD), spectral absorption coefficients of particles, dissolved material and phytoplankton (discrete water samples), above-water and in-water marine reflectance, scattering properties of particles (Satlantic Hyper-Profiler II + ECO-BB + ECO-FL).

Secondary production (Nov. 2005 – Dec. 2007); zooplankton taxonomy since Nov.2005 (Dr. Rubens Lopes) and pelagic benthic coupling since Mar. 2005 (Dr. Paulo Yukio Sumida).

Principle Investigators / Contact Points:

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Affiliation of this station with national, regional, or global research programs and process studies:

Antares (regional)

GOOS/Brazil (national)

ChloroGIN (global)

Web-site or links to other information:

<http://www.dsr.inpe.br/antares/>

<http://home.antares.ws/>

<http://satelite.cptec.inpe.br/oceano/>