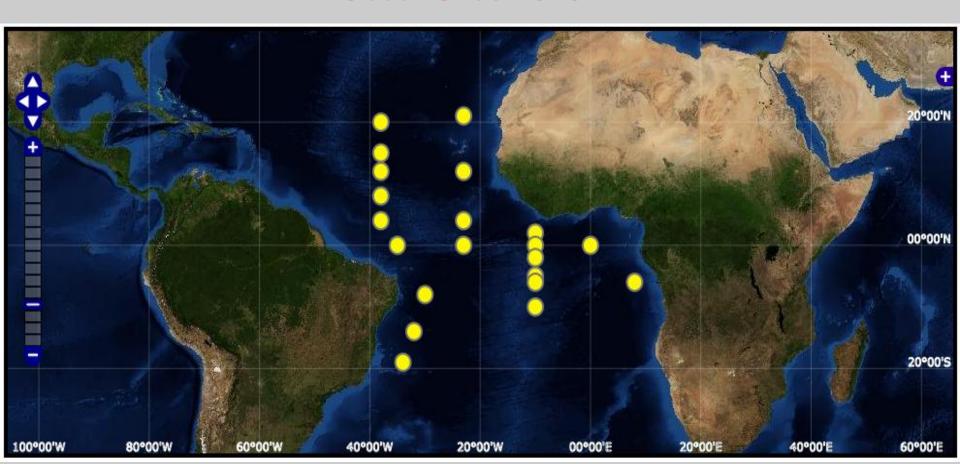
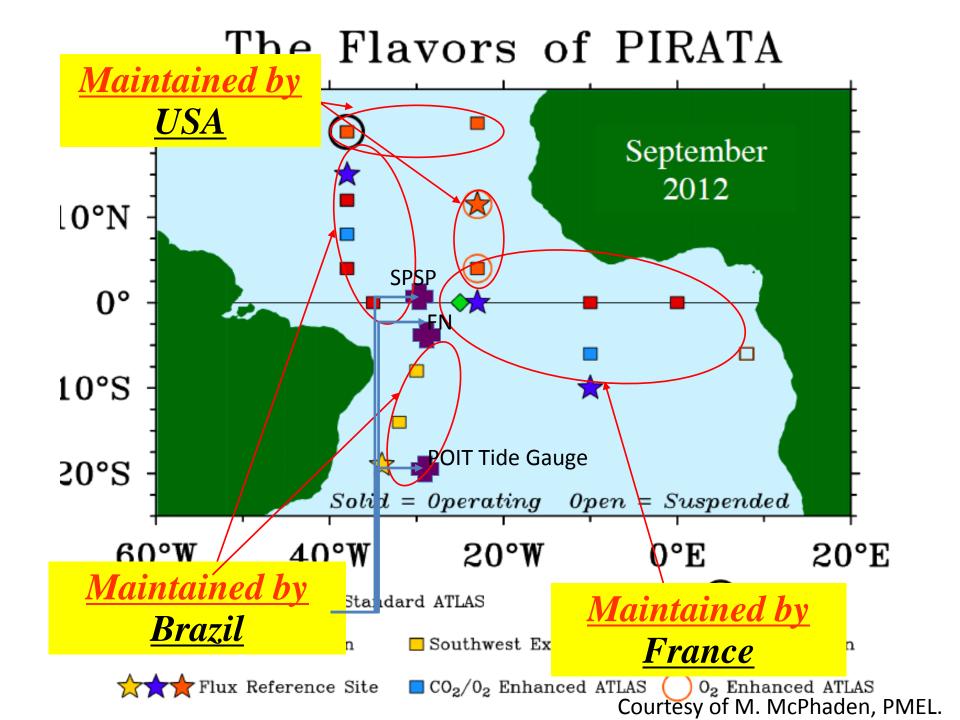
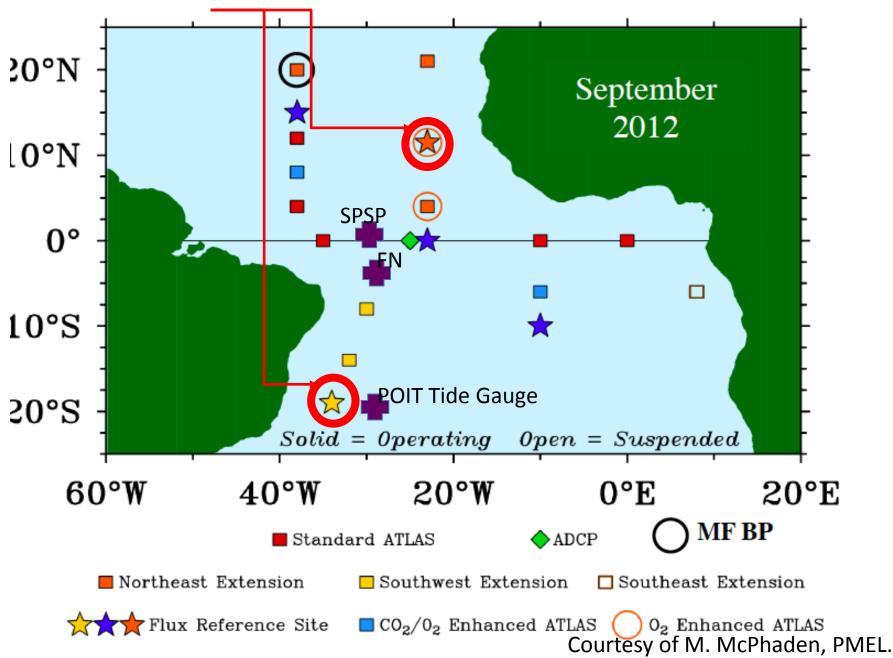
Brazilian operated open-ocean sites PIRATA and Atlas-B

Olga Sato and Edmo Campos University of São Paulo – Brazil OceanSites 2013

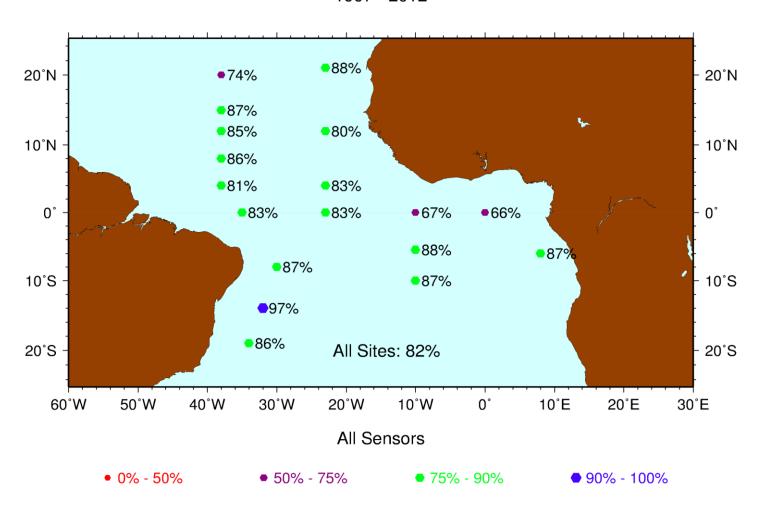




Two New OceanSites sites?

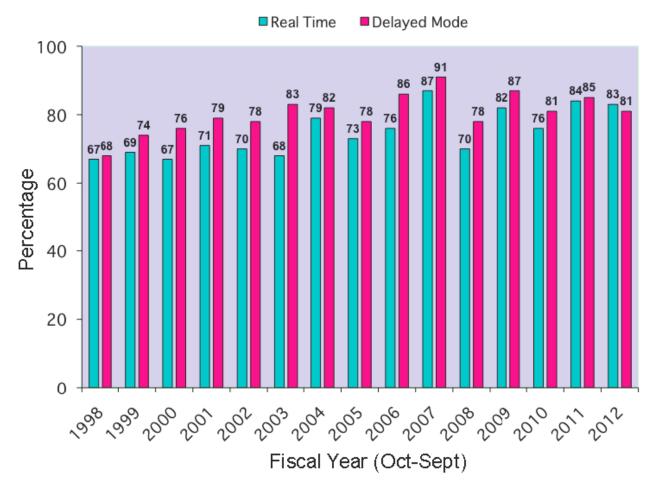


PIRATA Mooring Data Return 1997 - 2012



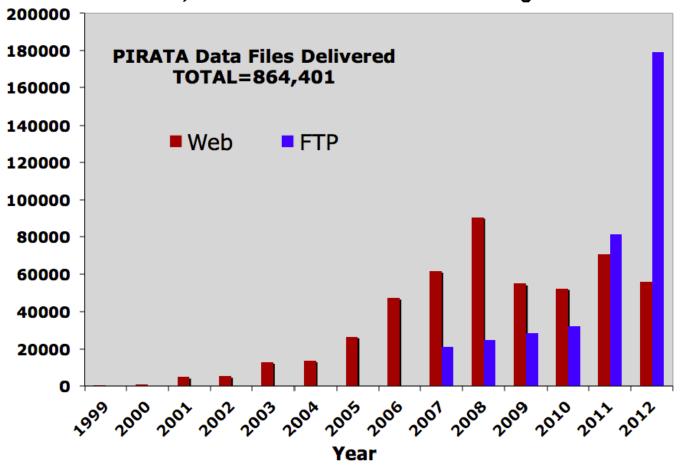
Courtesy of M. McPhaden, PMEL.





Courtesy of M. McPhaden, PMEL.

55,875 Web data files + 179,066 FTP data files = 234,941 total files delivered Oct 11-Aug 12



The Atlas-B "Guariroba"

A monitoring system for the South Atlantic

National Institute of Science and Technology for Climate Change











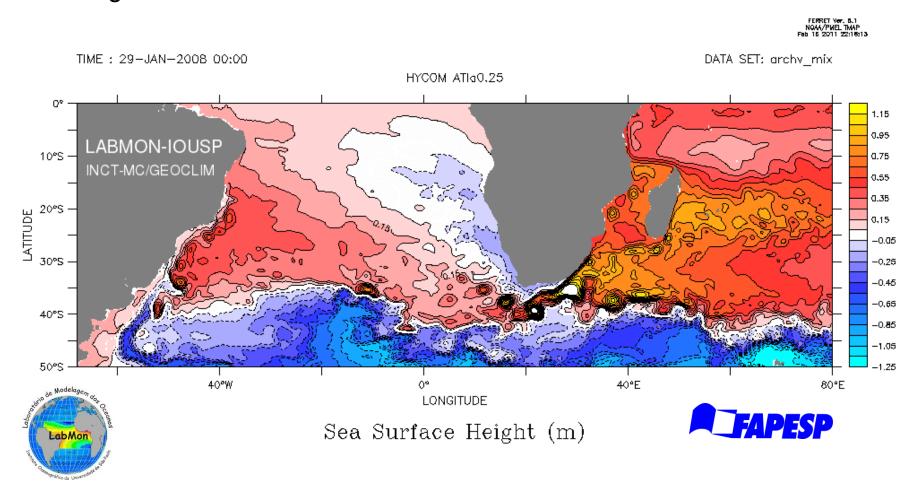




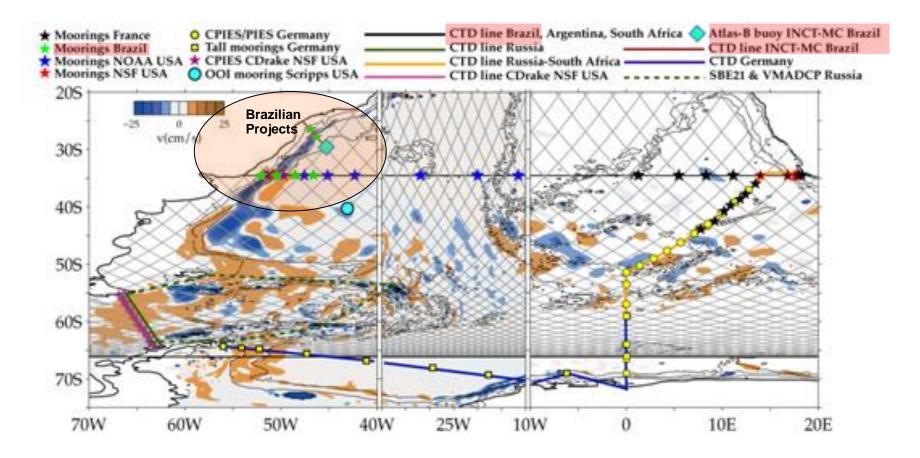


The Agulhas Leakage

Numerical experiments suggest an increase in the inter-ocean exchanges between the Indian Ocean and the South Atlantic



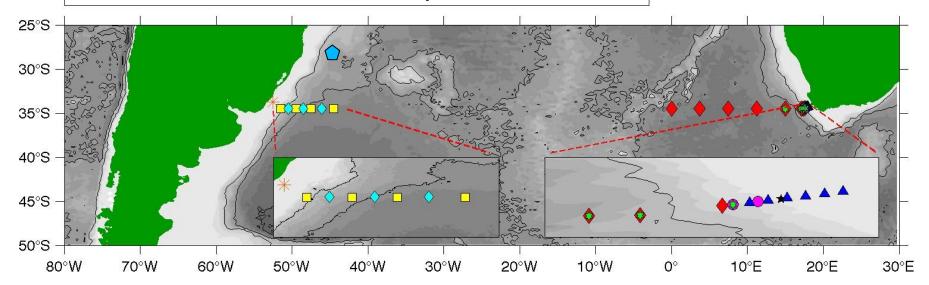
Brazilian contributions in the South Atlantic



Helping to understand changes in the South Atlantic and the impacts on the climate on Global and Regional scales.

Status of the Atlas-B and SAMOC Programs

- PIES NOAA In place since March 2009
- CPIES Brazil In place since December 2012
- * Bottom ADCP & BPR Brazil To be deployed in mid 2013
- CPIES France To be deployed in late 2013
- Bottom ADCP South Africa To be deployed in late 2013
- Short mooring South Africa To be deployed in late 2013
- ★ Thermister mooring South Africa To be deployed in late 2013
- ▼ Tall mooring South Africa To be deployed in late 2013
- The Atlas-B "Guariroba", since April 2013



Constructing the Atlas-B



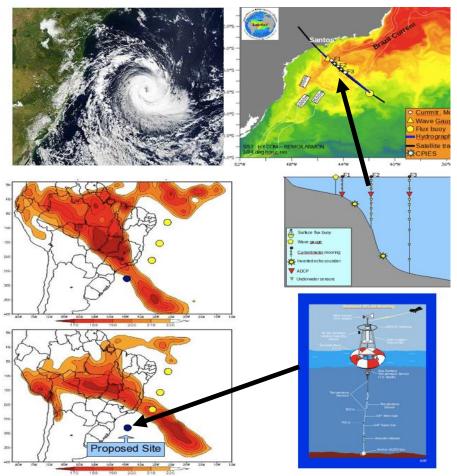


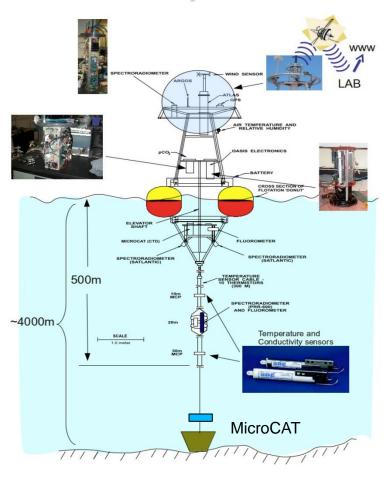






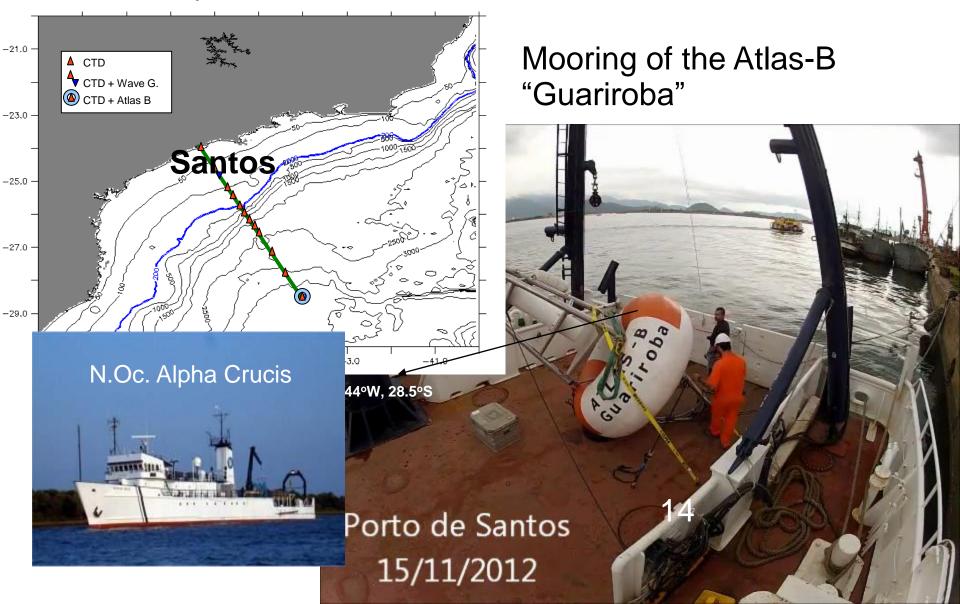
The Atlas-B will monitor the region where occurred the 1st Hurricane in the South Atlantic: The Catarina (March 2004)





Construction and mooring of an Atlas buoy at 28S,44W

Projects FAPESP-MC, INCT-MC, ATLAS-B, NAP-MC 1st Joint Cruise – November 2012 *RV Alpha Crucis* – Univ. São Paulo



The Guariroba data will be released through the GTS

