


South Atlantic ARGO Regional Center


Objectives of the meeting





The main objective of this meeting is the implementation of the South Atlantic ARGO Regional Center (SAARC) between countries with interest in the Atlantic from 20N to 50S





Invitations to the meeting were sent to those individuals from institutions that wish to participate in the activities of the SAARC. Those agreeing to participate are willing to contribute in one or more of the following ways,



Contributions sought

1. Provision of platforms for deployment.
2. Provision of facilitation and local logistic support.
3. Provision of ARGO floats.
4. Provision of available T and S profile data for ARGO calibration and QC purposes.
5. Provision of data services (centralized metadata base management).
6. Provision of data products.
7. Capacity building (including cross-training and technology transfer).
8. Ensuring that data scarce areas are covered through guidance from the Regional Center.



Proposed activities to be carried out by the SAARC

1. Compare all of the Argo data in their region of interest with each other and with the best available recent CTD/hydrographic data.
2. Provide feedback to the PIs on the performance of individual floats.
3. Provide standardized QC procedures for all the hydrographic data (CTD, XBT) collected in the area of interest.
4. Coordinate Argo float deployment plans for the region.
Providing advice/guidance on regional deployment needs.



5. Once data coverage permits, the SAARC will develop climatologies contributing to continental climate forecasts and make them available to the rest of Argo community.
6. Provide documentation of its procedures.
7. Assess and coordinate regional capabilities and knowledge.
8. Compare Argo data with model output and with assimilated fields.
9. Compile and distribute regional metadata.



ADOPT A DRIFTER PROGRAM

Teachers Deploy Drifters, Collect Data, and Students Analyze in Near Real Time

- Opportunity for K-16 teachers and their students to adopt a drifting buoy and map its path
- Drifter is deployed by teacher(s) while participating in NOAA's Teacher at Sea Program
- U.S. school partners with an international school to mutually adopt a drifter and then track and map the drifter and monitor its output
- Teachers work with students to develop and test lesson plans linked with ocean circulation, winds, etc.



Adopt a Drifter Tracking Page

http://osmc.noaa.gov/OSMC/adopt_a_drifter.html



Miss Cook and her students adopt a drifting buoy!

Drifting Buoy

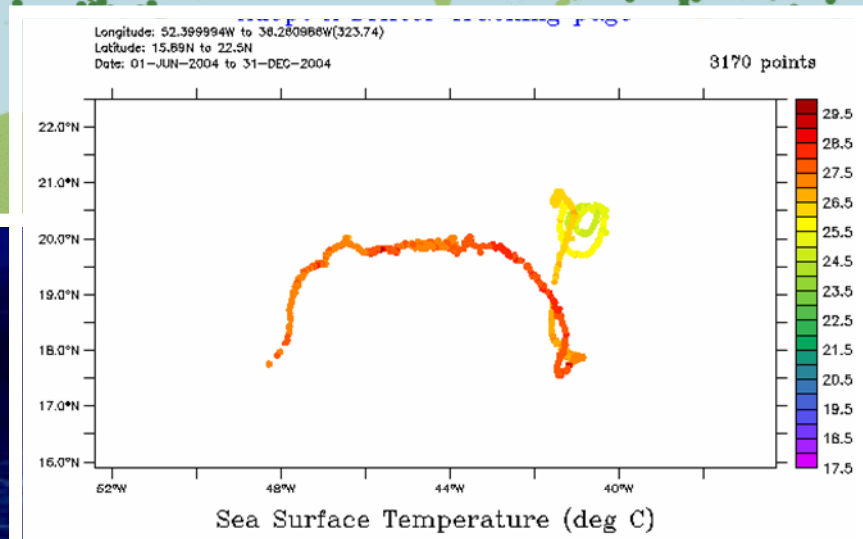
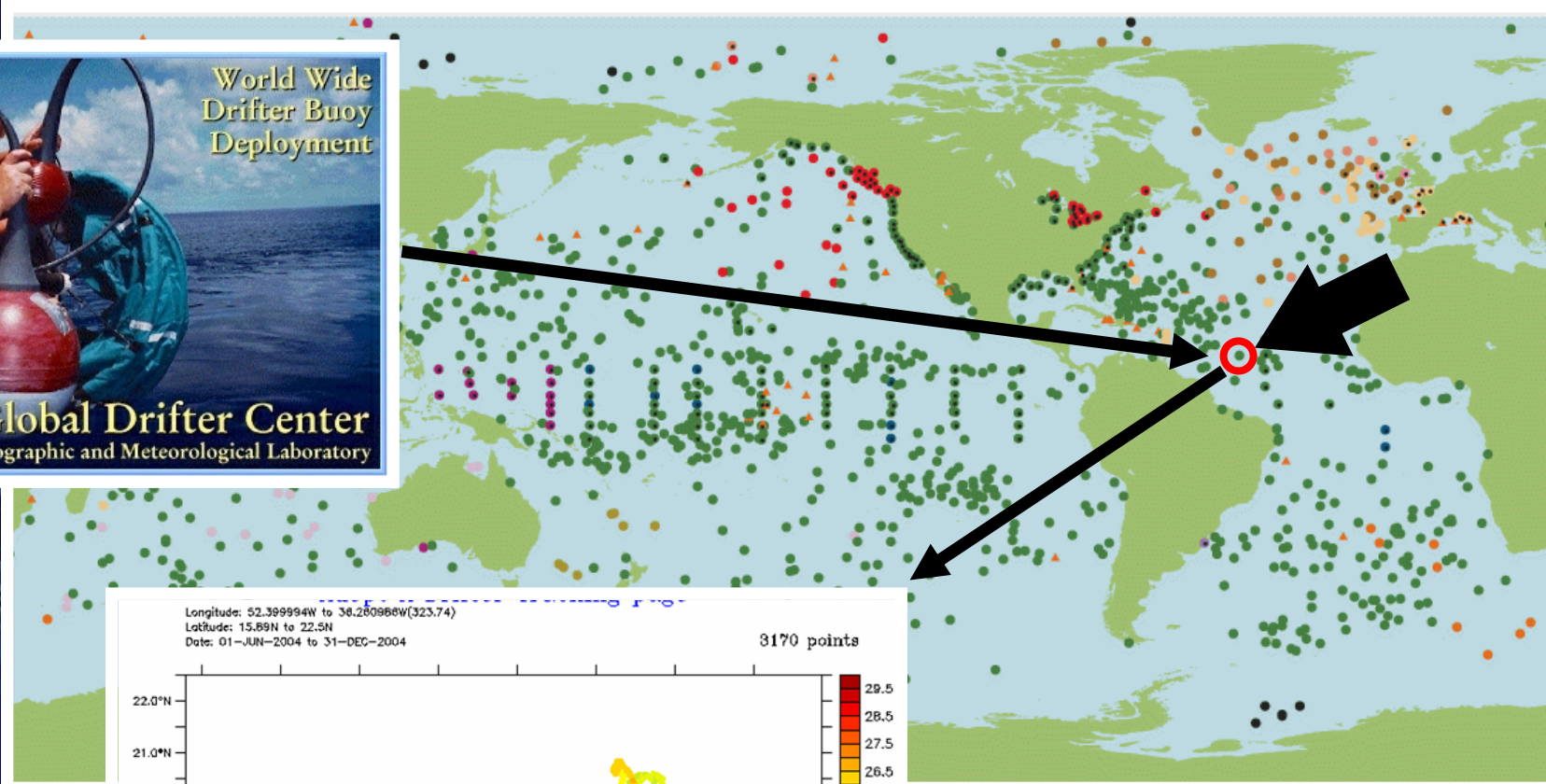
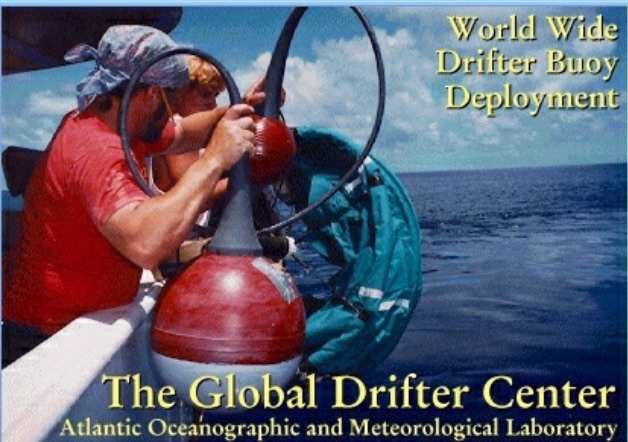


Drifting buoys measure sea surface temperature and sea surface pressure

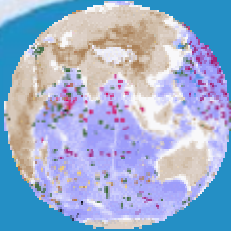


The Global Drifting Buoy Array

Select a Buoy to Track Ocean Currents and
Sea Surface Temperature in Real Time



Education



ARGO

Educational use

part of the integrated global observation strategy



SEREAD is an educational programme, which is developing resources that will complement the current secondary teaching curriculum and bring real, regionally focused science into the classroom.

The goal of SEREAD is to generate awareness, discussion, and understanding by Pacific Islands students of the ocean's role in the climate system. Climate variability occurs on periods of months to decades and longer.





Angola



Argentina



Brazil



Namibia



Nigeria



South Africa




Uruguay



US





International Argo Information Center. (Matthieu Belbeoch)

Other Atlantic Regional Data Centers:

- North Atlantic (Virgine Thierry, Fr)
- Southern Ocean (Trevor Guymer, UK)



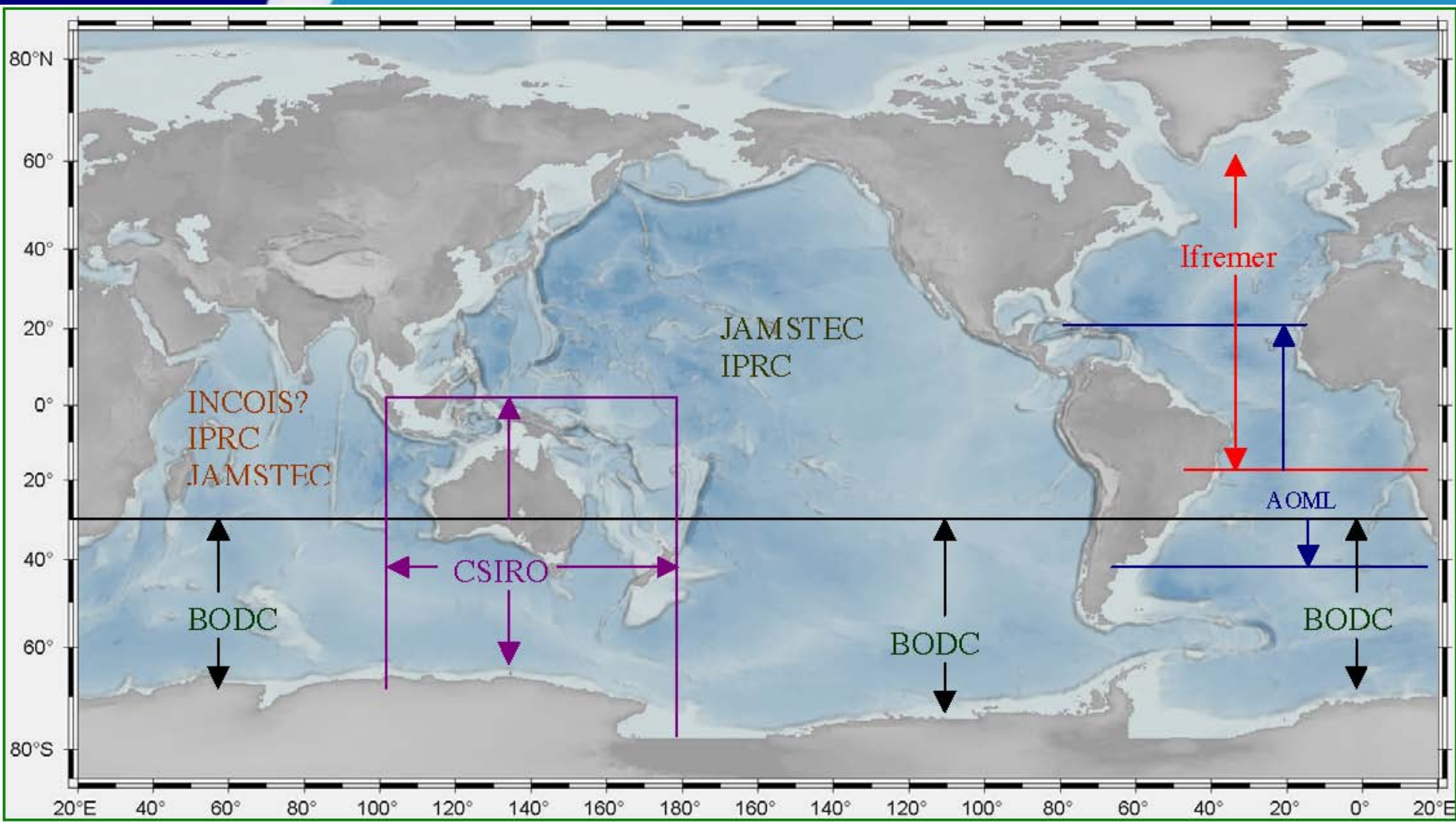


Figure 1 Area of interest of the institutes participating in Regional DACs implementation



13:00 to 16:15 National reports

16:15 to 17:00 Develop a list of potential SAARDC activities

Friday May 13

9:00 to 9:30 Creation of Working Groups to determine how to achieve SAARDC objectives (i.e. contributions required, data submittal, data processing, etc.)

16:00 to 17:00 Working group reports (plenary)

Saturday May 14

9:00 to 12:00 Synthesis of working group reports and summary of action items. Future activities. Next meeting.

