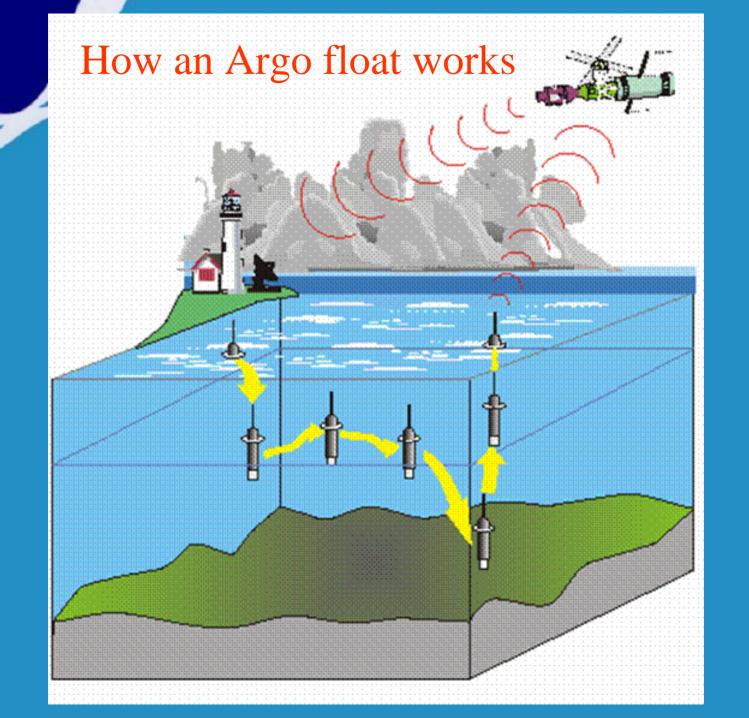
USA Data Assembly Center & Atlantic Deployments at AOML

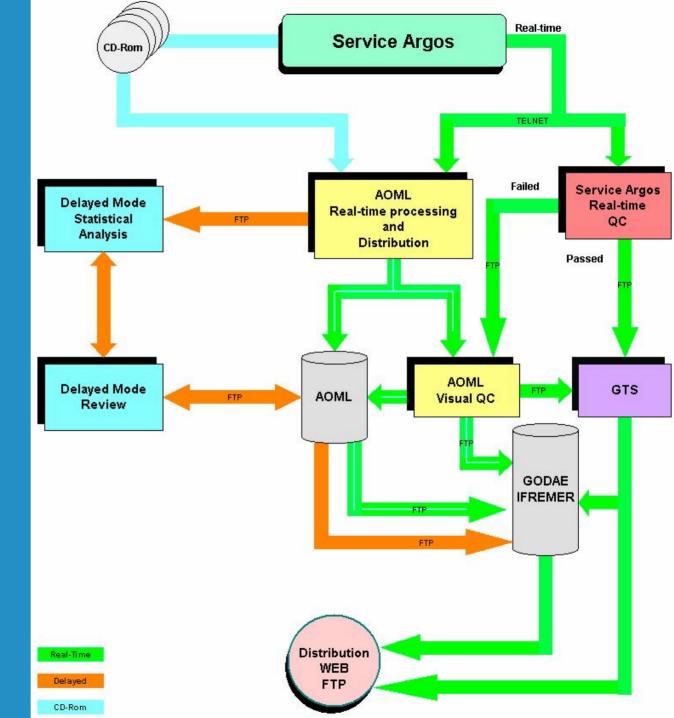
(NOAA/AOML and CIMAS/UM)

presented by

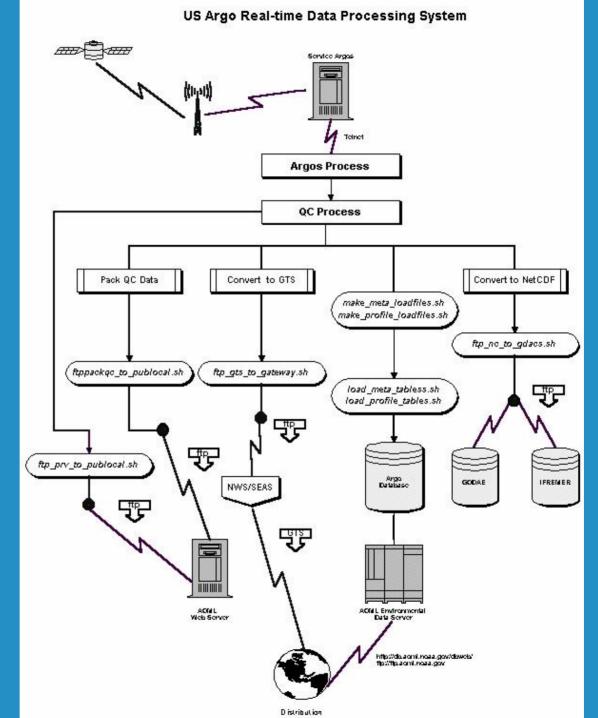
Claudia Schmid

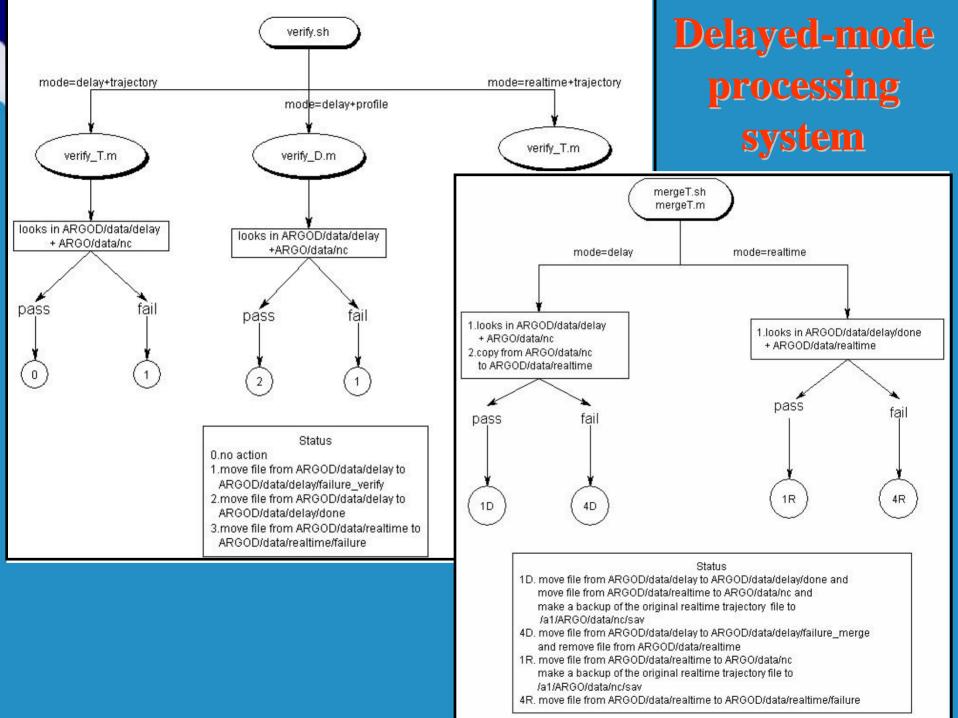


Data flow



Real-time processing system

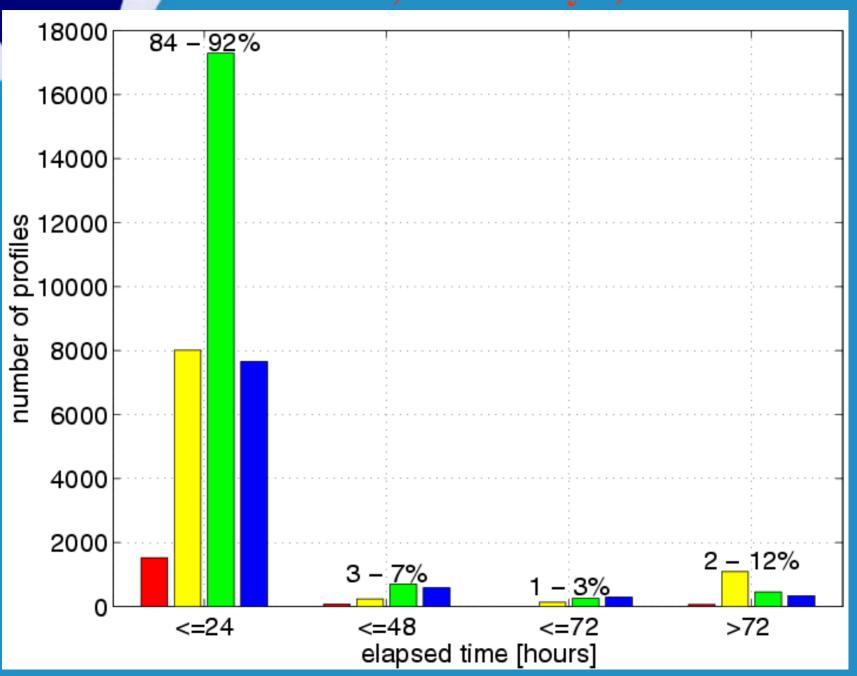




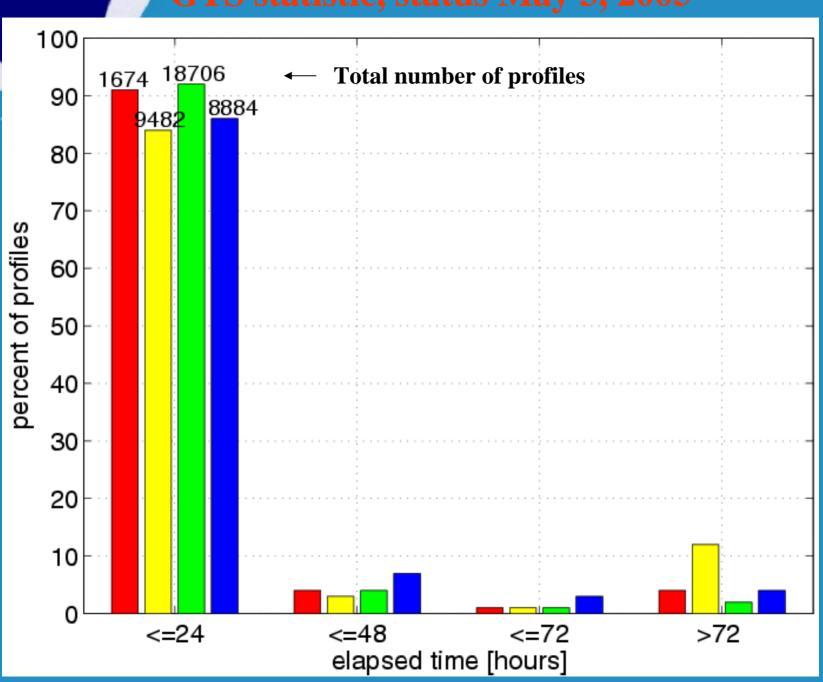
System Monitoring

- Short email reports from each process.
- Log files for problem solving.
- Web page for documentation, monitoring, visualization and data distribution: www.aoml.noaa.gov/phod/ARGO//HomePage/

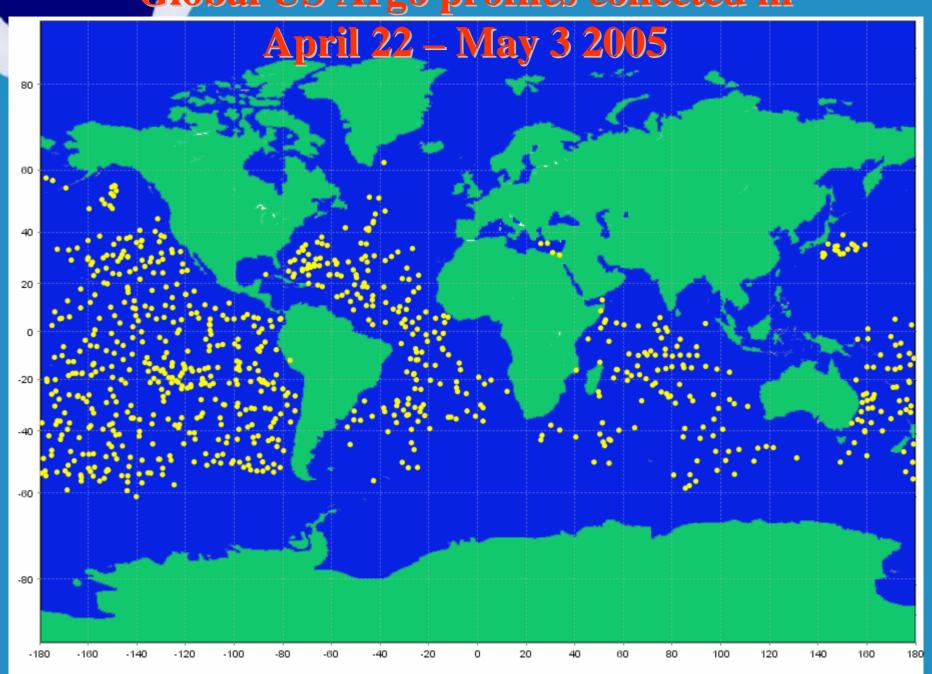
GTS statistic, status May 3, 2005



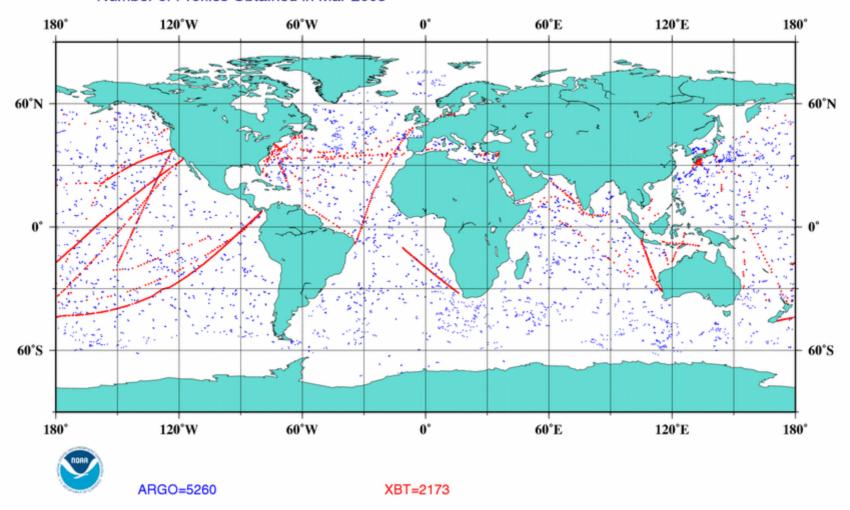
GTS statistic, status May 3, 2005

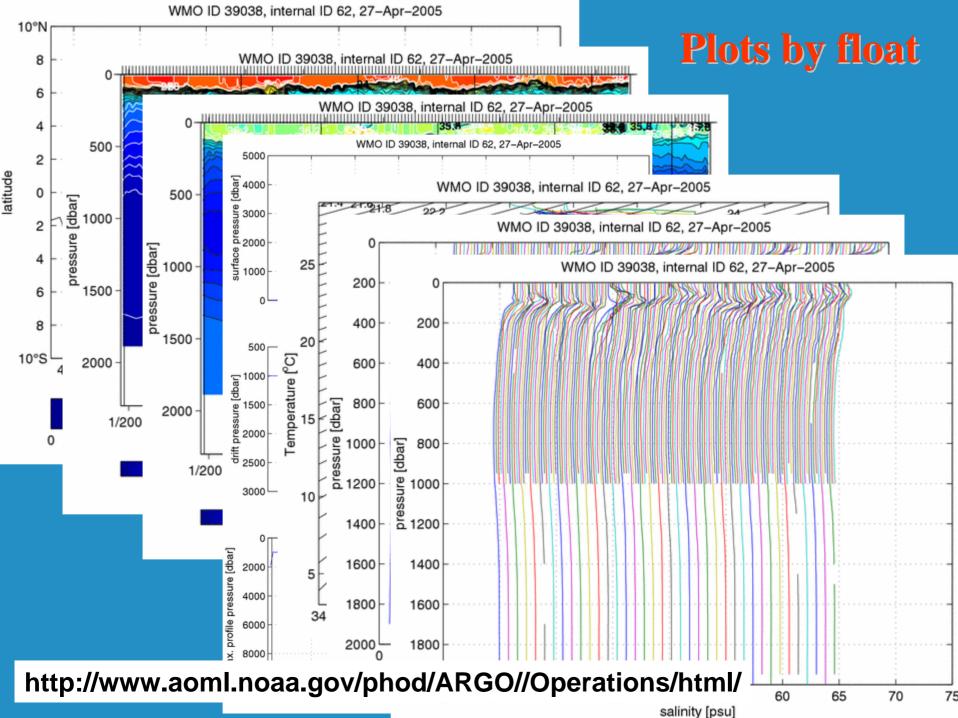


Global US Argo profiles collected in

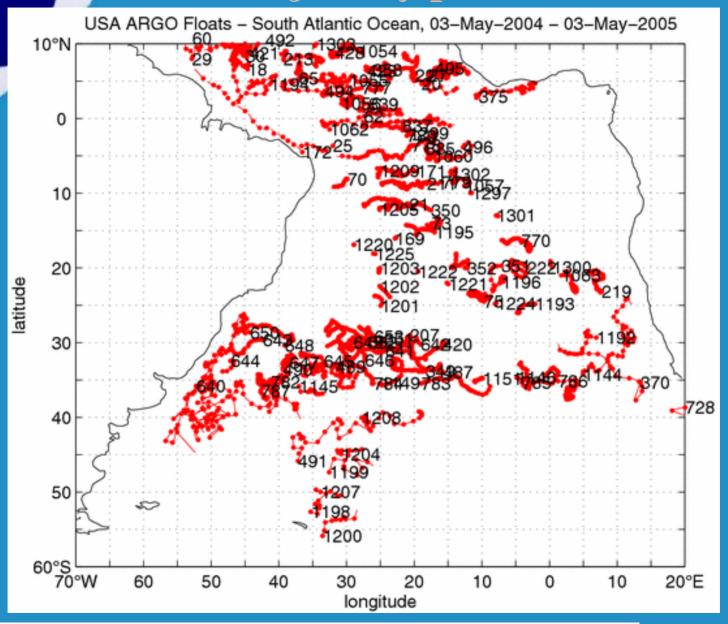


Number of Profiles Obtained in Mar-2005





Trajectory plots



http://www.aoml.noaa.gov/phod/ARGO//Operations/html/

Automatic quality control

- 1. Platform Identification
- 2. Impossible Date
- 3. Impossible Location
- 4. Position on Land
- 5. Impossible Speed
- 6. Global Range
- 7. Regional Global Parameter (Red Sea, Mediterranean Sea)
- 8. Pressure Increasing

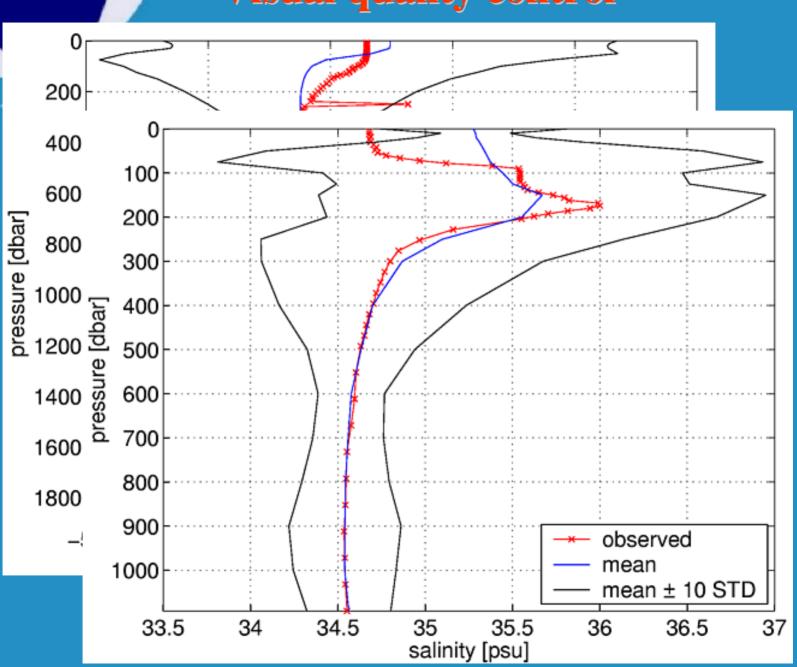
Documents are at http://www.ifremer.fr/coriolis/cdc/argo_rfc.htm

Automatic quality control

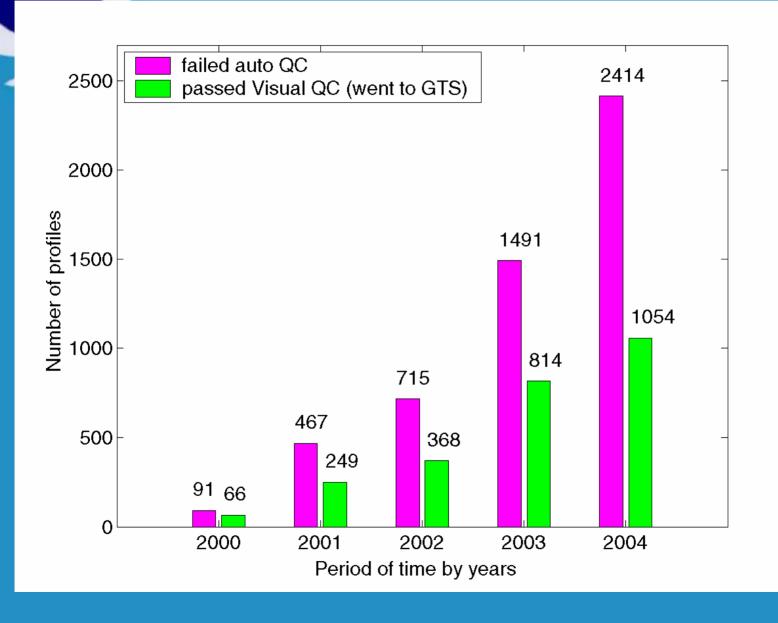
- 9. Spike Test
 - 10. Top and Bottom Spike
- 11. Gradient Test
- 12. Digit Rollover test
- 13. Stuck Value test
- 14. Density Inversion test
- 15. Grey List
- 16. Gross Salinity or Temperature Sensor Drift Test
- 17. Frozen profile test to be adopted

Documents are at http://www.ifremer.fr/coriolis/cdc/argo_rfc.htm

Visual quality control



Quality control statistics



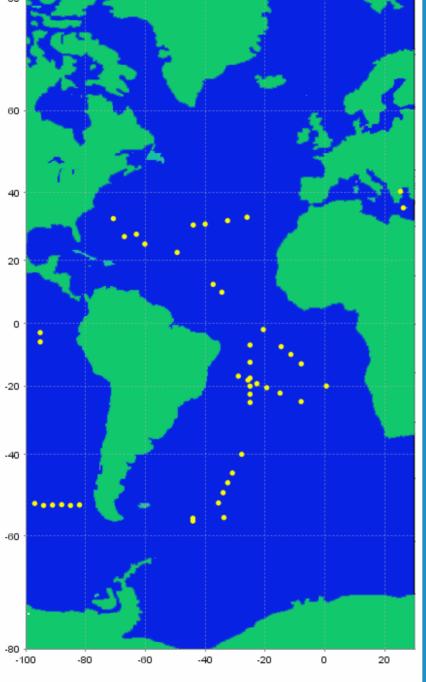
Atlantic Ocean deployments

AOML is responsible for the deployment of the floats produced and provided by WHOI.

This includes:

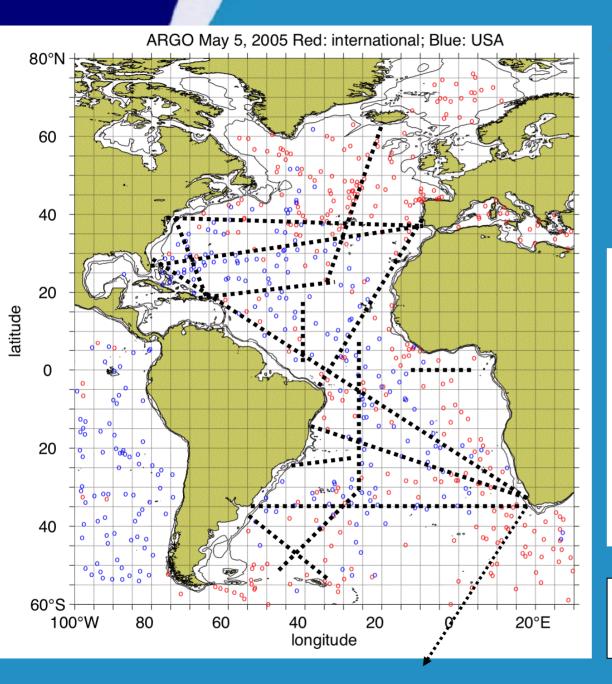
- Look for deployment opportunities (VOS and R/V)
- Choose the deployment sites
- Provide a rider to perform the deployments.





Atlantic Argo floats deployed by AOML since January 1, 2005

Plans for Atlantic deployments during 2005: 100 floats.



The positions of the active floats in the Atlantic Ocean (as of May 2005)

Blue points USA floats Red points All other countries.

The number of floats have increased gradually, at this moment there are about 500 floats working in the Atlantic Ocean.

Lines available for Deployment in 2005