JCOMM Observations Programme Area (OPA)

Candyce CLARK
OPA Coordinator

SOT-V, 19 May 2009, Geneva



The international plan

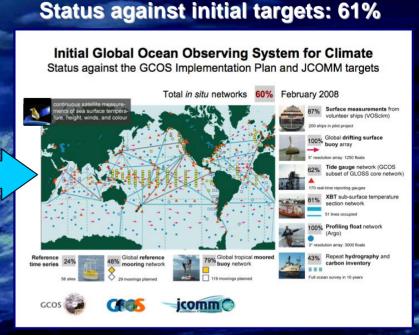
- A decade has passed since the OceanObs'99 symposium played a major role in consolidating the plans for a comprehensive ocean observing system.
- Now, for the first time in history, the world's oceans are being observed routinely and systematically.

 OceanObs'09: ensure sustainability and further development; extend present system.

Observing the Oceans in the 21st Century

Edited by:
Chester J. Koblinsky & Neville R. Smith





The organizing framework is in place: JCOMM Observations Coordination Group



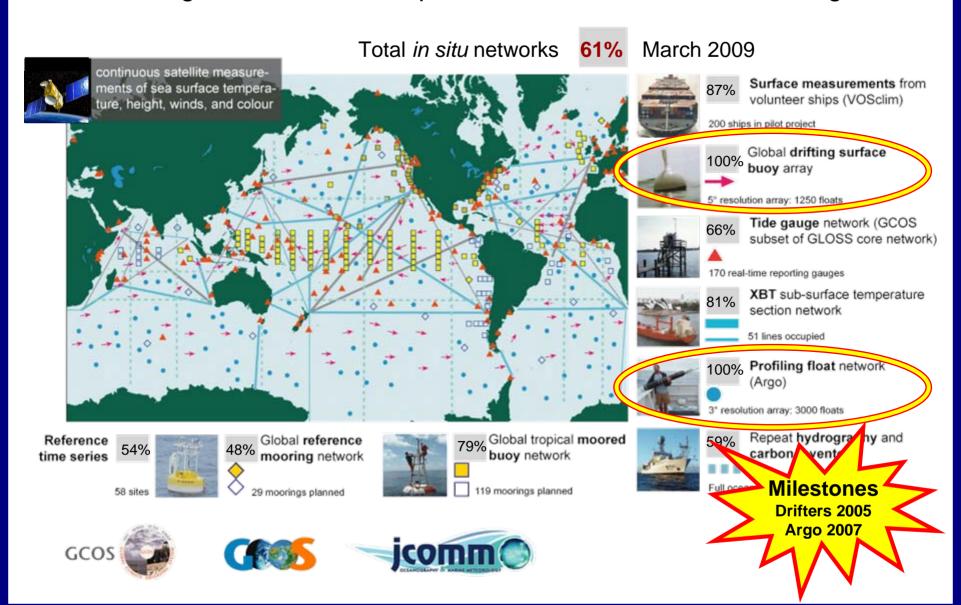


All six global in situ implementation programs are linked internationally through WMO/IOC JCOMM coordination. TOGETHER they are building a global ocean observing system

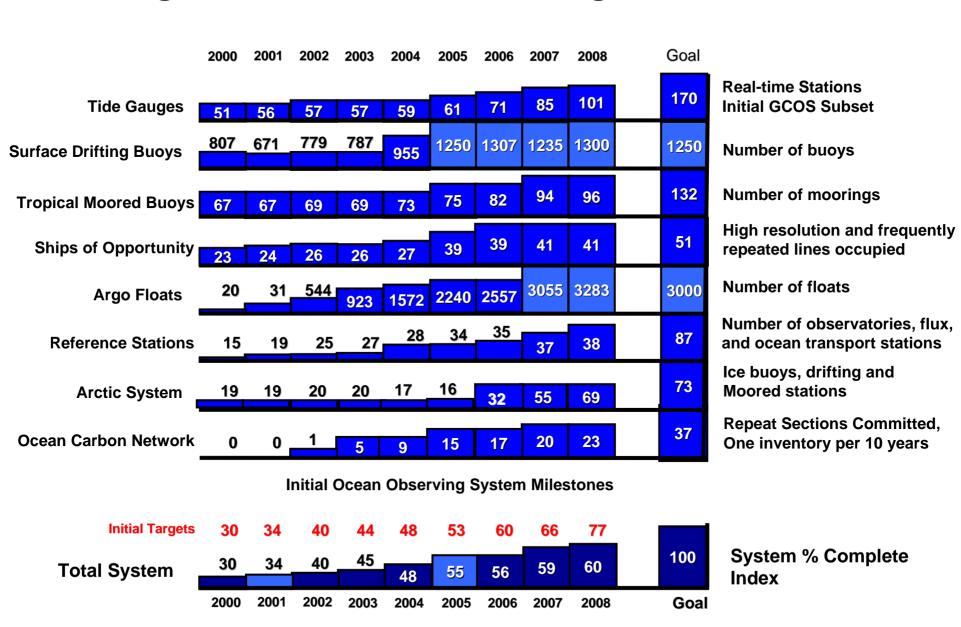


Initial Global Ocean Observing System for Climate

Status against the GCOS Implementation Plan and JCOMM targets



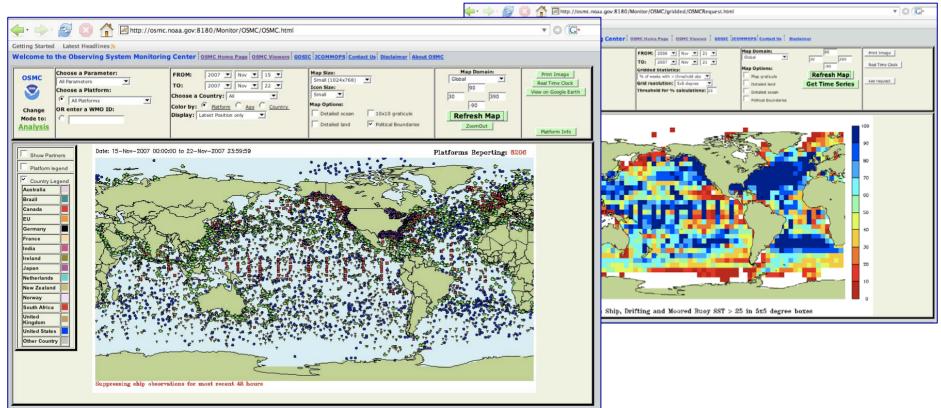
Progress Toward Global Coverage (representative milestones)



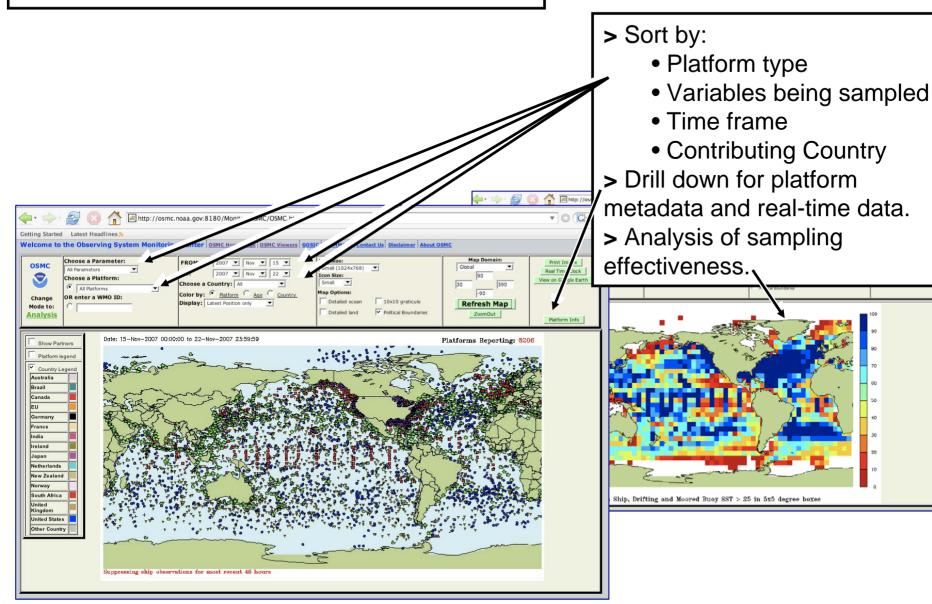


Real-time system monitoring and analysis

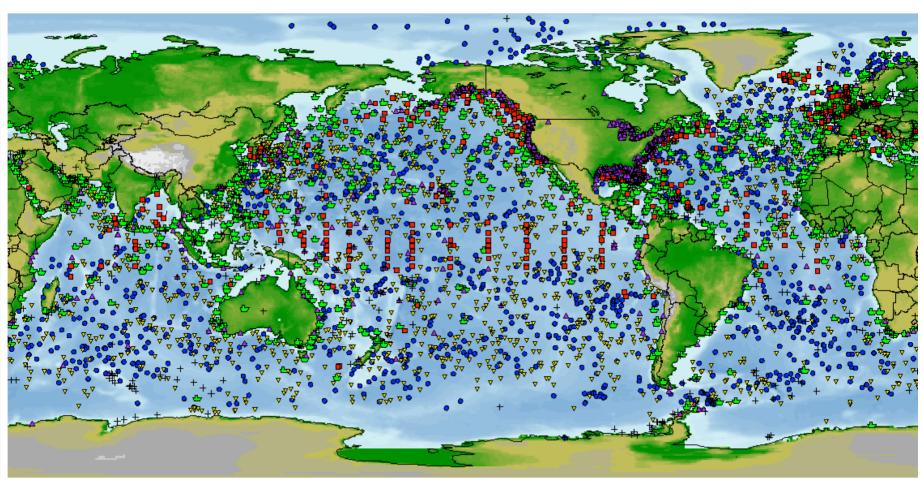
- JCOMMOPS -
- Observing System Monitoring Center (OSMC) -



Observing System Monitoring Center Near-real-time tool for system statistics and data



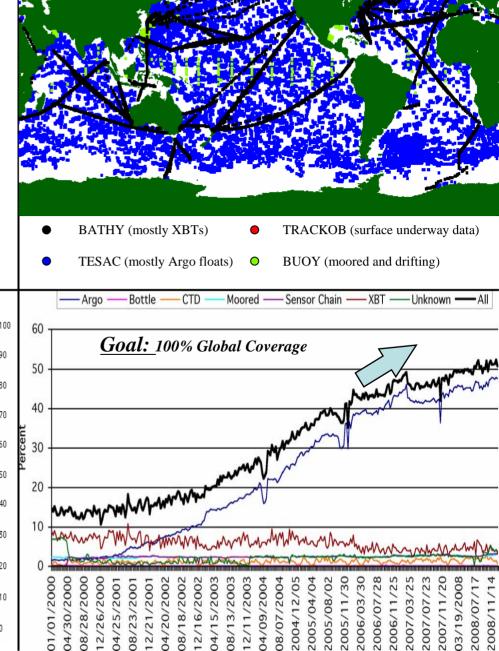
Status of the System 8055 Platforms reporting in February

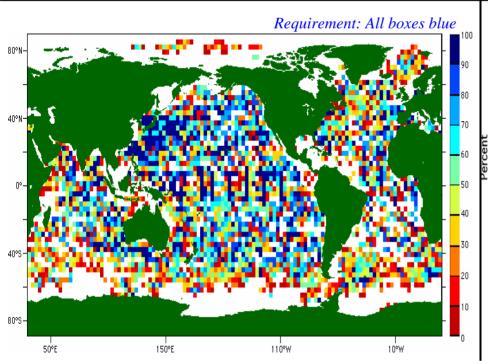


Suppressing ship observations for most recent 48 hours

Observing System Status: 2008, Q4 <u>Temperature Profiles</u>

Sampling requirements: 1 profile Every 10 days In every 3 x 3 °







OCG – III

- INTEGRATED SYSTEM Greater than the sum of our parts
- Issues/actions towards a more system perspective
- Implementation Goals based on GCOS IP; non-climate requirements
- Metrics working towards ECV-based reporting will allow optimization of networks (CWG to make recommendations)
- Coordination between satellites and *in situ*
- JCOMM data management and services
- JCOMMOPS, observing system technical support
- Fortuitous timing: OceanObs'09
- Information about the OS to external community thanks!

OCG charges to SOT (1/2)

- Implementation Goals and Metrics
- Community-based plans for way forward (OceanObs'09 CWPs)
- BUFR templates, Meta-T, Pub 47
- Best practices (JCOMM Catalogue as contribution to WIGOS)
- Cookbook for getting data on the GTS
- JCOMMOPS

OCG charges to SOT (2/2)

• VOS

- Best practices for homogeneity and accuracy
- Outreach to make case for climate VOS obs

• SOOP

- Data transmitted near R-T, stricter QC
- Facilitate deployment opportunities
- SOT / IOCCP pamphlet for carbon community on PMO network
- Plan to optimize measurements from SOOP ships
- Continue working on XBT fall-rate!

International Partnerships are Central

A global system by definition crosses international boundaries.





NOAA's contributions are managed in cooperation with the Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) -- presently 72 nations.

