

# XBT Science Workshop Meeting Agenda

7 July - 8 July 2011

**Location:** *Australian Bureau of Meteorology Headquarters Building  
700 Collins Street, Docklands, Room 3, 6th floor*

## Day 1: Thursday 7 July 2011

Start	End	Time	Item	Speaker	Affiliation	Time Keeper	Rapporteur
8:30 AM	9:00 AM	0:30	<b>Registration &amp; presentations upload</b>				
9:00 AM	9:05 AM	0:05	<b>Introductions</b>	Molly Baringer	NOAA	Molly Baringer	Tim Boyer
9:05 AM	9:10 AM	0:05	Welcome/Logistics	Graeme Ball	ABOM		
9:10 AM	9:25 AM	0:15	The XBT Network Overview of Program Objectives	Gustavo Goni	NOAA		
9:25 AM	9:40 AM	0:15	Use and requirements for XBT surface temperature observations by the Group for High Resolution SST (GHRSSST)	Helen Beggs	ABOM		
9:40 AM	10:40 AM	1:00	Ocean Circulation and the Mass, Heat, and Freshwater Budgets of Large Ocean Regions: The Synergies of High Resolution XBT Transects, Argo, and Satellite Altimetry	Dean Roemmich	Scripps		
10:40 AM	11:00 AM	0:20	<b>BREAK</b>				
11:00 AM	11:30 AM	0:30	Recent Science Highlights using Air-Sea Underway Observations in Drake Passage	Janet Sprintall	Scripps		
11:30 AM	12:00 PM	0:30	Understanding the ACC south of Africa	Isabelle Ansorge	UCT		
12:00 PM	1:00 PM	1:00	<b>LUNCH</b>				
1:00 PM	1:30 PM	0:30	On the Southern Ocean	Steve Rintoul	CSIRO	Lisa Krummel	Pedro DiNezio
1:30 PM	2:00 PM	0:30	Estimating the Meridional Heat Transport and Overturning Circulation from XBTs	Molly Baringer	NOAA		
2:00 PM	2:30 PM	0:30	Variability of the Meridional Heat Transport and Overturning Circulation in the South Atlantic	Gustavo Goni	NOAA		
2:30 PM	3:00 PM	0:30	Empirical Correction of XBT Data and Global Field Reconstruction using EOFs	Mathieu Hamon	IFREMER		
3:00 PM	3:20 PM	0:20	<b>BREAK</b>				
3:20 PM	4:20 PM	1:00	Observing System Evaluation activities under GODAE OceanView	Peter Oke	CSIRO		
4:20 PM	4:50 PM	0:30	Basin patterns of the upper ocean warming for 1993-2008	You-Soon Chang	NOAA		
4:50 PM	5:20 PM	0:30	Inter annual and intra seasonal variability of upper layer temperature fields in the south eastern Arabian Sea	Viss V. Gopalakrishna	NIO		
5:20 PM	5:50 PM	0:30	<b>DISCUSSION - Sustaining the Observing System</b>	Alex Ganachaud	IRD		
6:00 PM			<b>RECEPTION - Summit Café (700 Collins Street)</b>				
<b>Total</b>		<b>8:50</b>					

## Day 2: Friday 8 July 2011

Start	End	Time	Item	Speaker	Affiliation	Time Keeper	Rapporteur
8:30 AM	9:00 AM	0:30	<b>Presentations upload</b>				
9:00 AM	9:30 AM	0:30	Observational Evidence for a Weakly Coupled Mode of Pacific Decadal Variability	Pedro DiNezio	NOAA/CIMAS	Graeme Ball	Janet Sprintall
9:30 AM	10:00 AM	0:30	Monitoring the northern limb of the subtropical gyre with high-resolution XBT surveys in the South Pacific Ocean	Alex Ganachaud	IRD		
10:00 AM	10:30 AM	0:30	Decadal Changes in the East Australian Current system – the relationship to changes in the South Pacific Gyre	Katy Hill	IMOS		
10:30 AM	10:50 AM	0:20	BREAK				
10:50 AM	11:20 AM	0:30	The U.S. Navy's Global Ocean Temperature and Salinity Climatology	Robert Helber	NRLSSC		
11:20 AM	11:50 AM	0:30	Investigation of the Tropical Atlantic Variability during 1993-2010	Marlos Goes	NOAA/CIMAS		
11:50 AM	12:20 PM	0:30	DISCUSSION - The way forward	Gustavo Goni	NOAA		
12:20 PM	1:20 PM	1:00	<b>LUNCH</b>				
1:20 PM	1:50 PM	0:30	Effects of different XBT corrections on historic and recent ocean heat content calculations	Tim Boyer	NOAA	Ann Thresher	Rebecca Cowley
1:50 PM	2:20 PM	0:30	A new analysis on fall-rate coefficients in historical XBT data based on side-by-side comparisons	Lijiong Cheng	IAP		
2:20 PM	2:50 PM	0:30	A New View of XBT Biases	Rebecca Cowley	CSIRO		
2:50 PM	3:10 PM	0:20	BREAK				
3:10 PM	3:40 PM	0:30	Trial to check XBT fall rate and to develop simple numerical model	Kimio Hanawa	TU		
3:40 PM	4:10 PM	0:30	An assessment of the effect of variance in probe weight on the fall-rate of expendable bathythermograph and pure temperature bias	Shoichi Kizu	TU		
4:10 PM	4:40 PM	0:30	Decadal Marine Climate Prediction and Change in Nigeria	Okuku A. Ediang	NMA		
4:40 PM	5:10 PM	0:30	The Importance of XBT Data to Climate Studies	Catia Domingues	ACE CRC CSIRO		
5:10 PM	5:40 PM	0:30	DISCUSSION - Wrap Up	Molly Baringer	NOAA		
<b>Total</b>		<b>8:40</b>					

Abbreviations	Institution
NOAA	National Oceanic and Atmospheric Administration
ABOM	Australian Bureau of Meteorology
Scripps	Scripps Institution of Oceanography, University of California San Diego
UCT	University of Cape Town, South Africa
CSIRO	Commonwealth Scientific and Industrial Research Organisation
NIO	National Institute of Oceanography, India
CIMAS	Cooperative Institute for Marine and Atmospheric Studies/University of Miami, Miami, FL
IRD	Institut de Recherche pour le Développement
IMOS	Integrated Marine Observing System, University of Tasmania
IAP/AC	Institute of Atmospheric Physics, Chinese Academy of Sciences
NRL	Naval Research Laboratory, Stennis Space Center
TU	Tohoku University
NMA	Nigeria Meteorological Agency