

# XBT Fall Rate Workshop

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**March 10-12, 2008**  
**NOAA / AOML, Miami, Florida**  
**Phone: 305.361.4339 (Gustavo Goni)**



## Agenda

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### **Day 1 (March 10, 9:30AM-5:00PM)**

*Chair: Josh Willis*

1. XBT fall rate equation issues (*G. Goni*)
2. Reports of XBT deployments (*H. Viola*)
3. The history of XBT design, manufacture and quality from 1962 - present (*D. Maher*)
4. XBT fall rate problem: a historical perspective (*W. Emery*)
5. XBT data acquisition systems and AOML XBT fall rate experiments (*M. Baringer*)
6. Factors affecting quality of XBT data: results of analyses on profiles from the western Mediterranean Sea (*F. Reseghetti*)
7. Fall rates for different XBT types (*D. Snowden*)
8. A review of XBT fall rate and quality control studies carried out in the Indian Ocean (*V. Gopalakrishna*)
9. Fall rate equation experiments in French research cruises (*G. Reverdin*)
10. Looking for ship-speed dependency of XBT fall rates (*J. Gilson*)
11. XBT and Argo profile comparison (*C. Schmid*)
12. Identification of biases in XBT fall rate equation using satellite altimetry observations (*P. Di Nezio*)
13. Using altimeter and Argo data to estimate biases in XBT fall rate equations (*J. Willis*)
14. Collecting and Utilizing an XBT/CTD comparison reference database for XBT bias estimation (*T. Boyer*)
15. Impact of fall rate on estimates of the steric component of sea level rise (*S. Wijffels*)
16. Estimates of ocean heat content with time variable BT corrections applied (*S. Levitus*)
17. Managing XBT Data in the Global Temperature-Salinity Profile Program Data Base (*M. Hamilton*)
18. Metadata Limitations and the effect on XBT depth adjustment (*A. Gronell Thresher*)
19. Water Temperature instrumental Metadata Pilot Project (META-T) (*E. Charpentier*)
20. Data base issues with a change in fall rate (*C. Sun*)
21. Instrument-related temperature biases and their impact on estimation of the long-term ocean temperature variability (*V. Gouretski*)
22. AOML's notes on migrating from FM 63 XI Ext. BATHY to BUFR (*J. Trinanes*)

### **Day 2 (March 11, 9:30AM-5:00PM)**

*Chair: Molly O. Baringer*

1. Discussion of issues brought up during the presentations on day 1

*Dinner at Scotty's Landing in Coconut Grove, 7:00pm, 3381 Pan American Drive, 305.854.2626*

### **Day 3 (March 12, 9:30AM-5:00PM)**

*Chair: Gustavo J. Goni*

1. Preparation of a white paper with recommendations

## Participants

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