

# “Bai-Long” :An Update on the FIO RAMA Buoy Project



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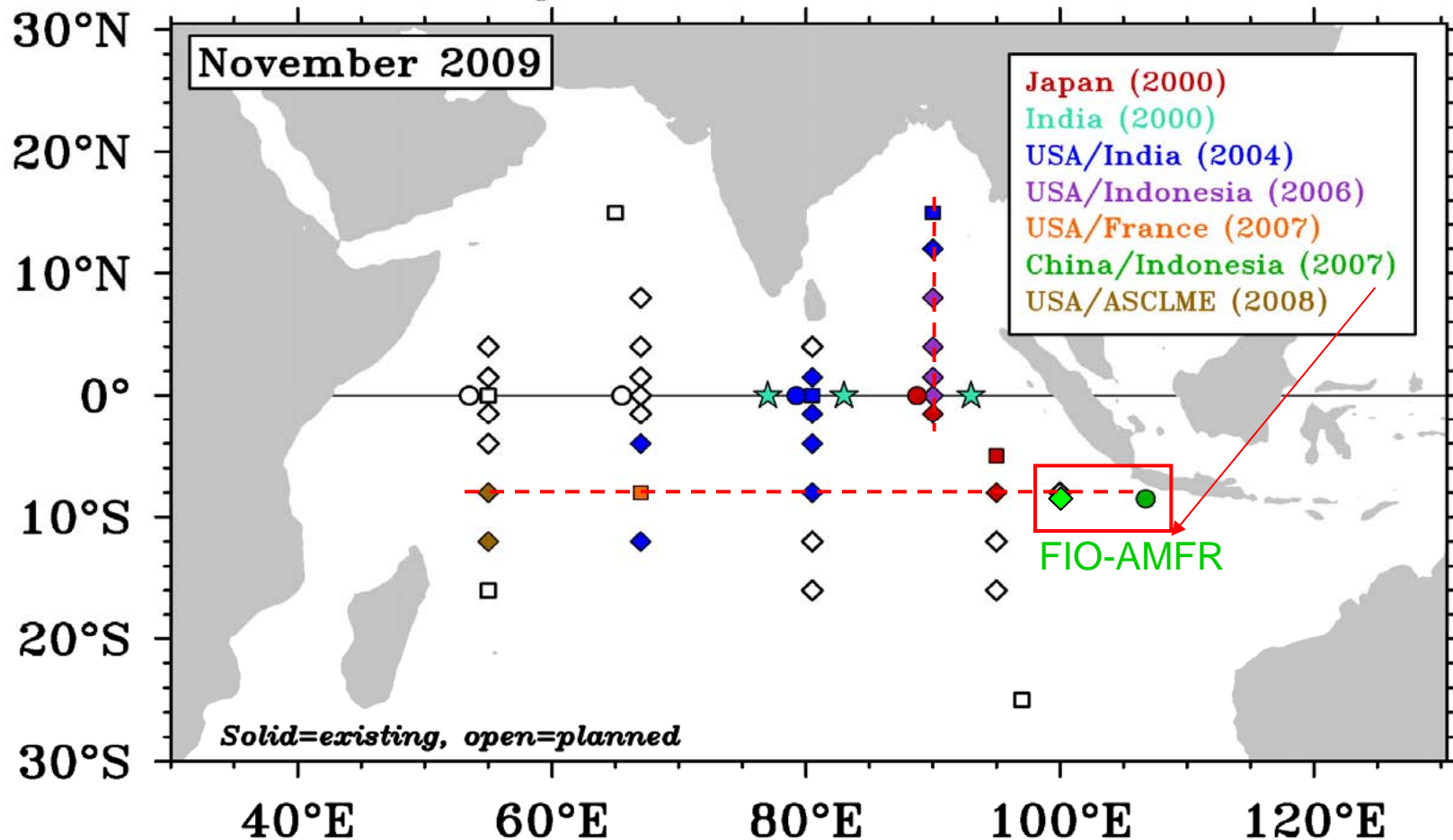
1:FIRST INSTITUTE OF OCEANOGRAPHY, SOA

2: RDSEA INTERNATIONAL, INC

**SEP. 26, 2011 WMO, GENEVA**

# Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction (**RAMA**)

◆ Surface Mooring    ■ Flux Reference Site    ● ADCP    ★ Deep Ocean



# The meaning of Bai-Long



- Chinese Character 白龙
- White Dragon
- Tang Dynasty, TANG XuanZang
- WU ChengEn, Journey to the West
- SUN WuKong, ZHU WuNeng, SHA WuJing And White Dragon



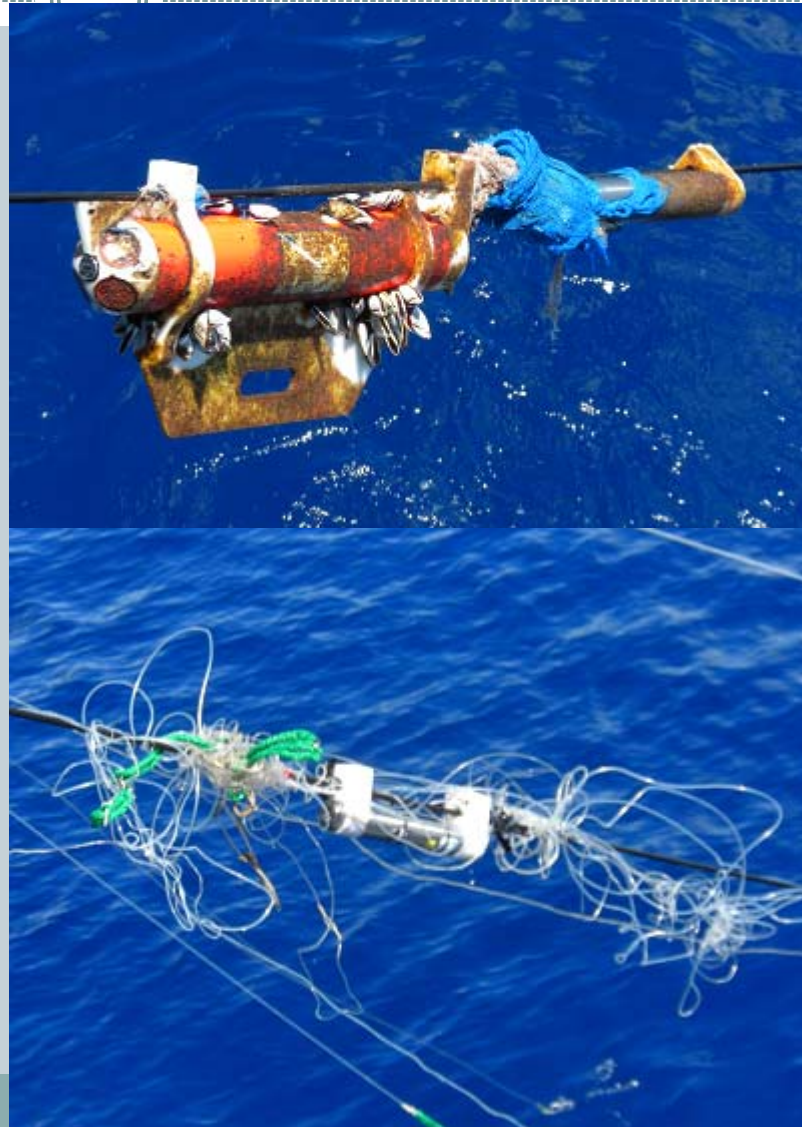
# Deploy Bai-Long 1 in Feb. 2010



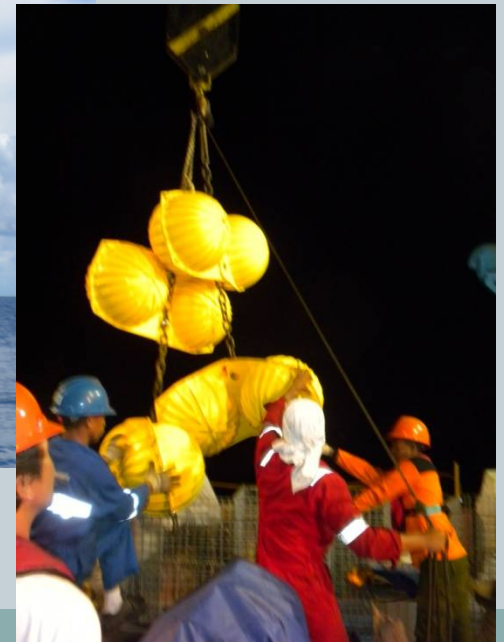
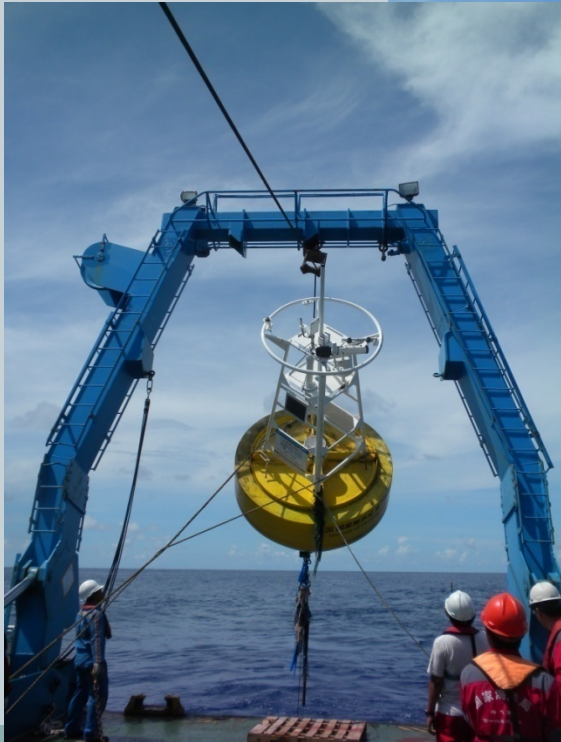
# Deploy Bai-Long 2 in May 2010

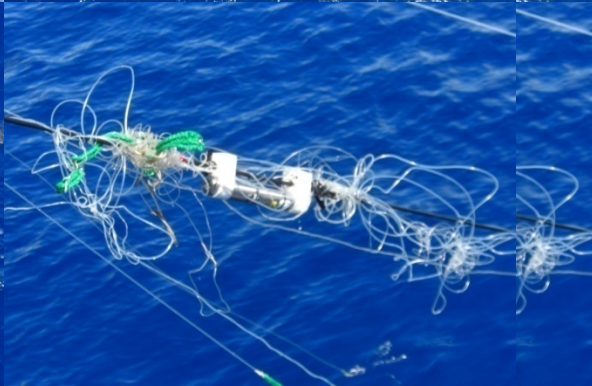
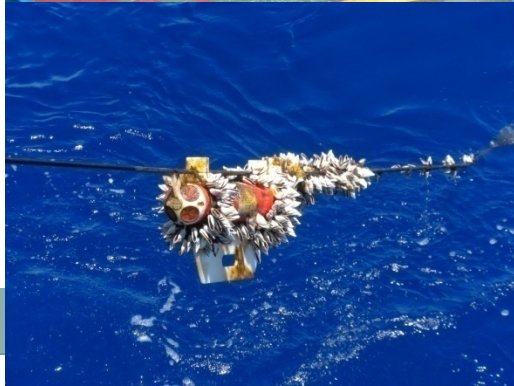


# Recover Bai-Long 1&2 in Feb. 2011



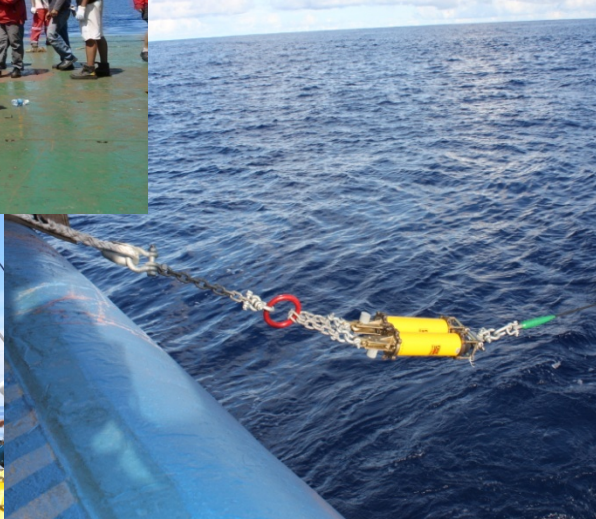
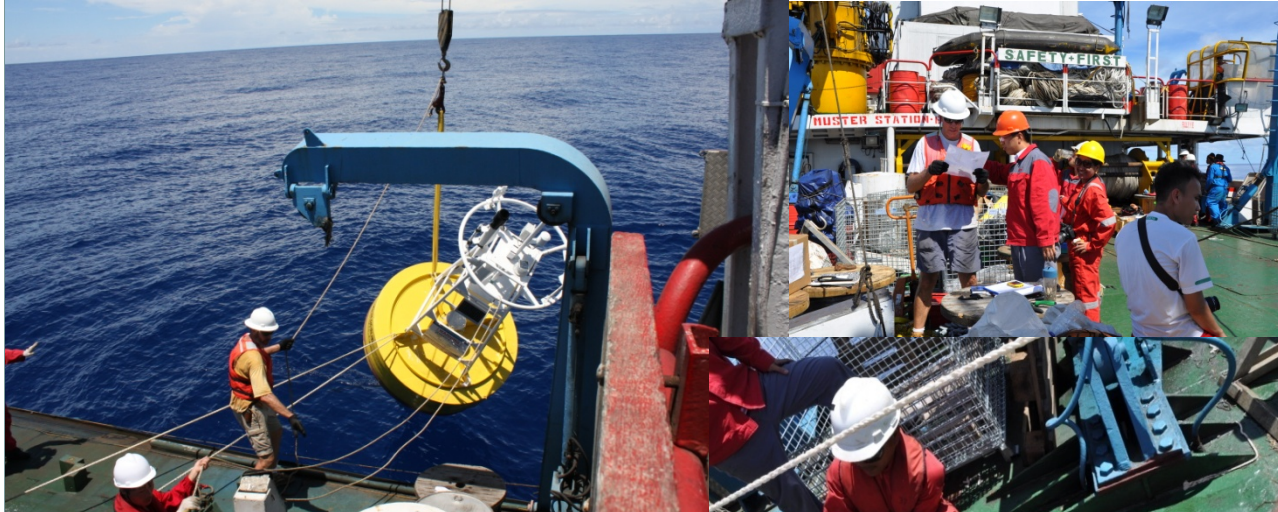
# Recovery



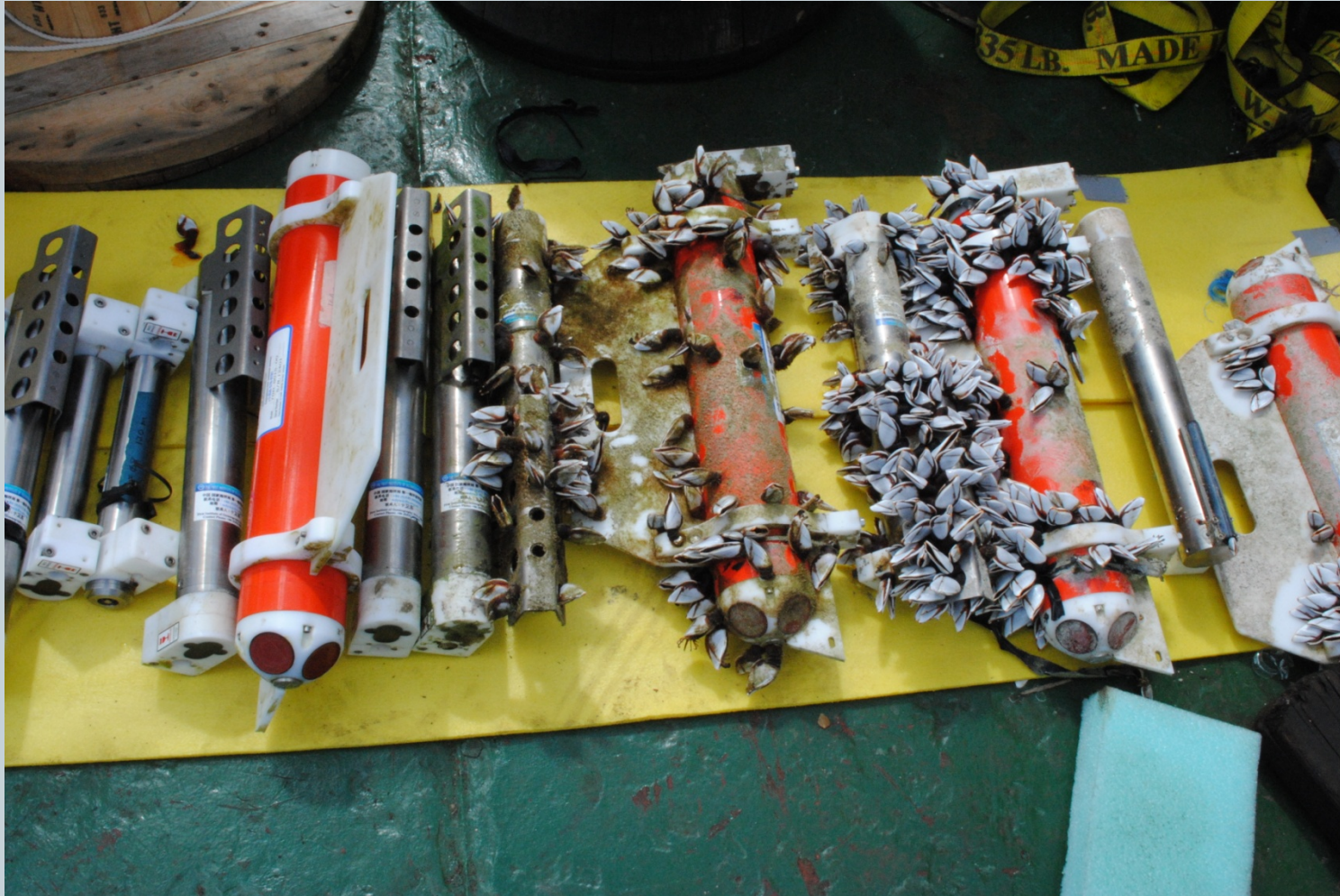




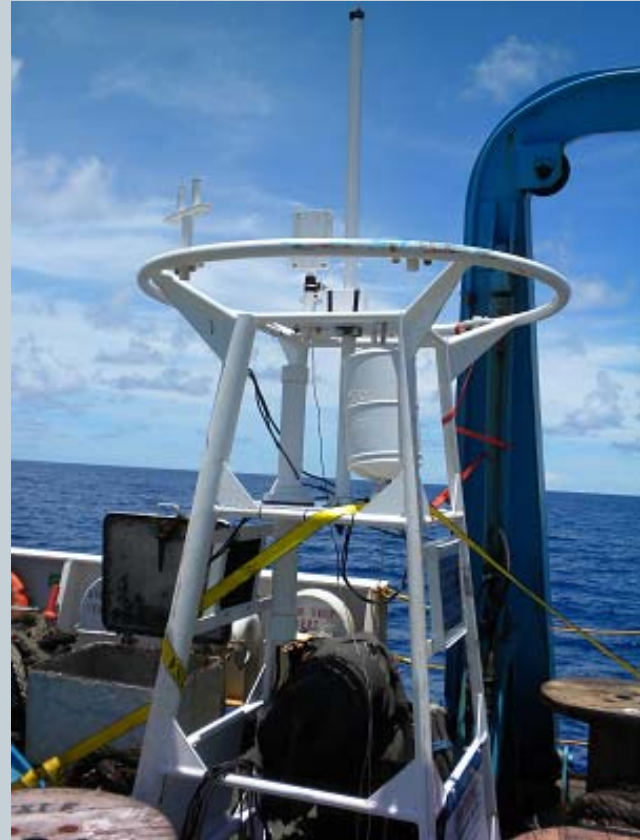
# Deploy Bai-Long 3 in Feb. 2011



# SBE 37IM、39IM & DVS IM



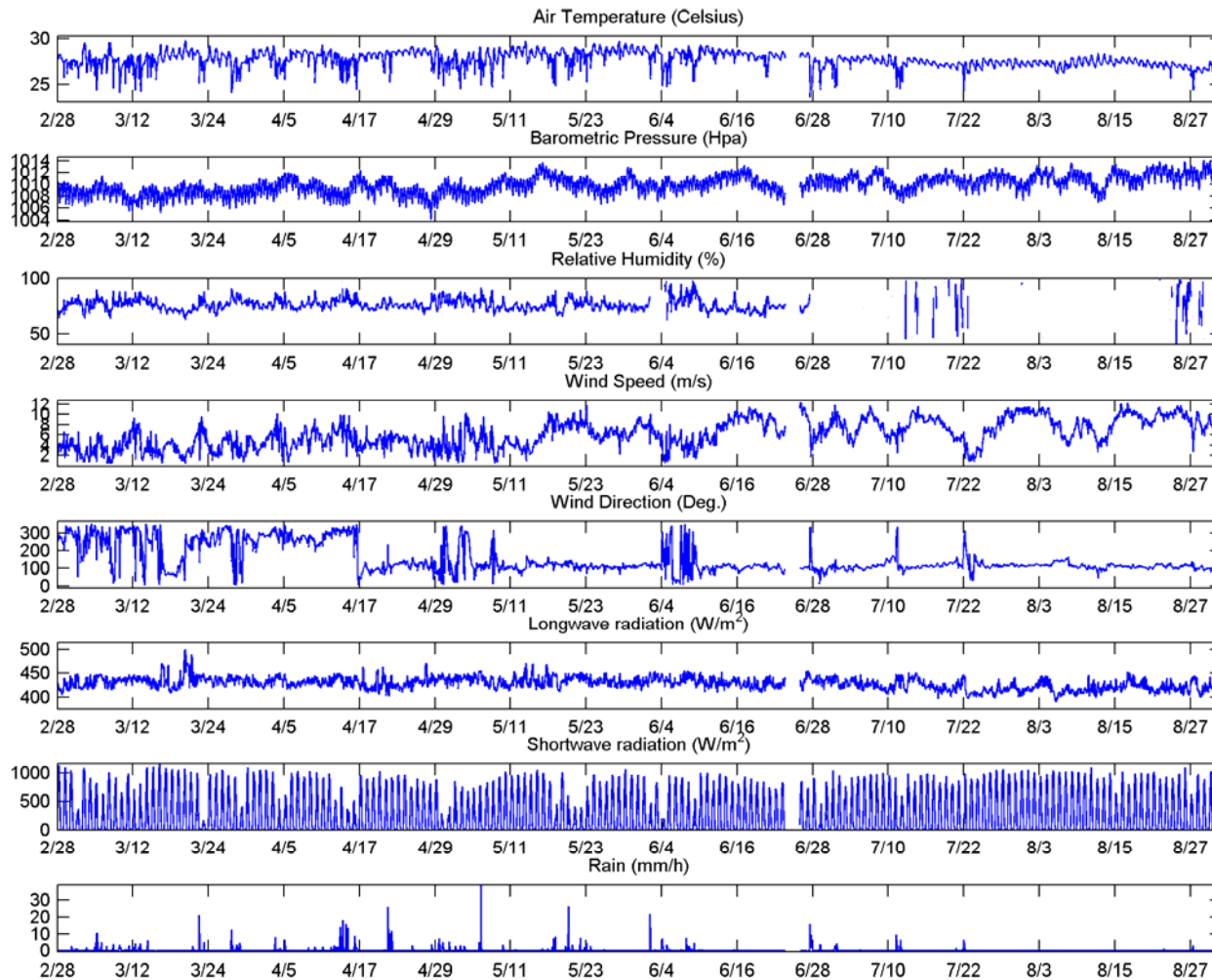
# Vandalism





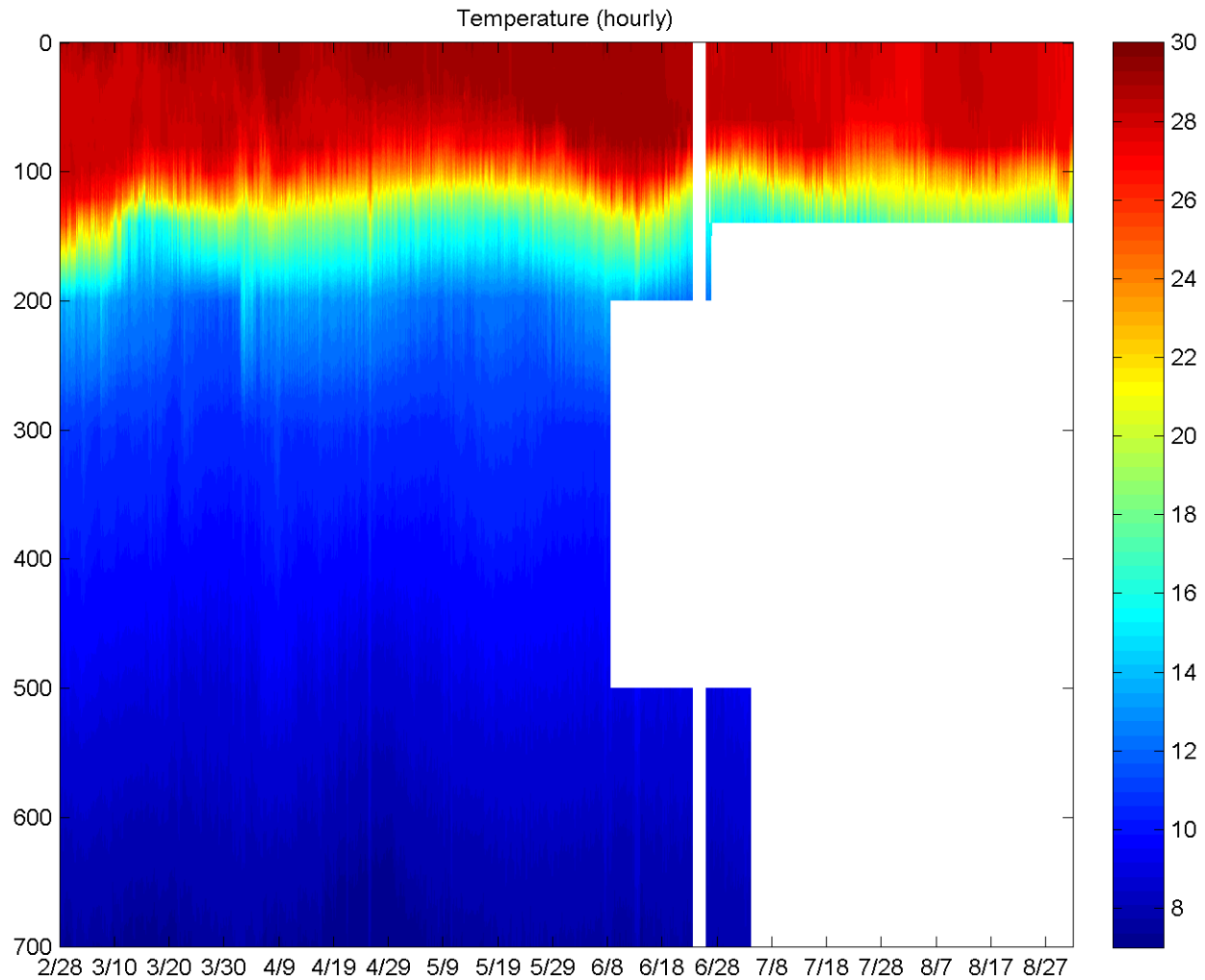


# Hourly Meteorological Data plots During Feb. 28 – Aug. 31<sup>th</sup> 2011



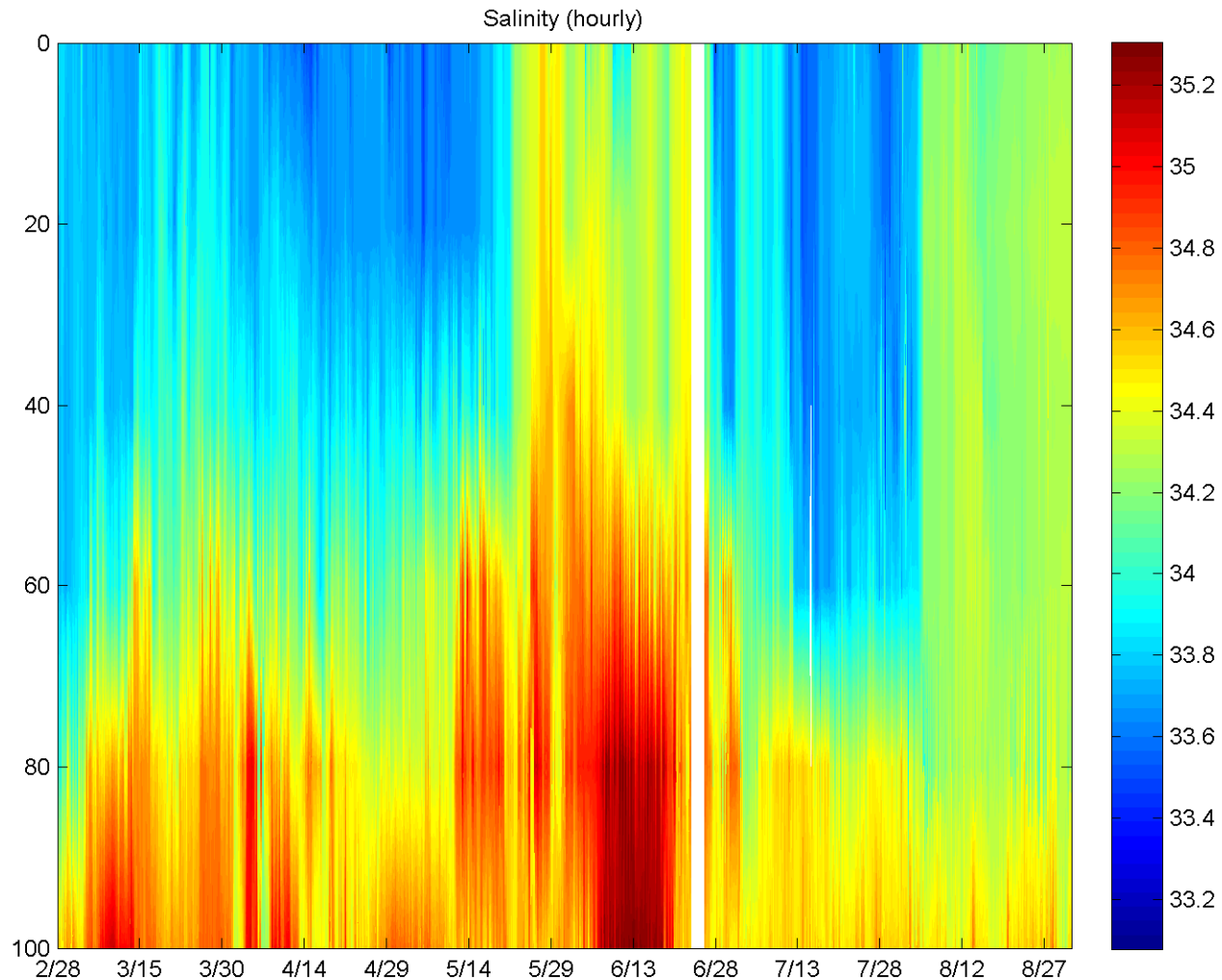
# Hourly Temp-Profile: 0 – 700m

During Feb. 28 – Aug. 31<sup>th</sup> 2011



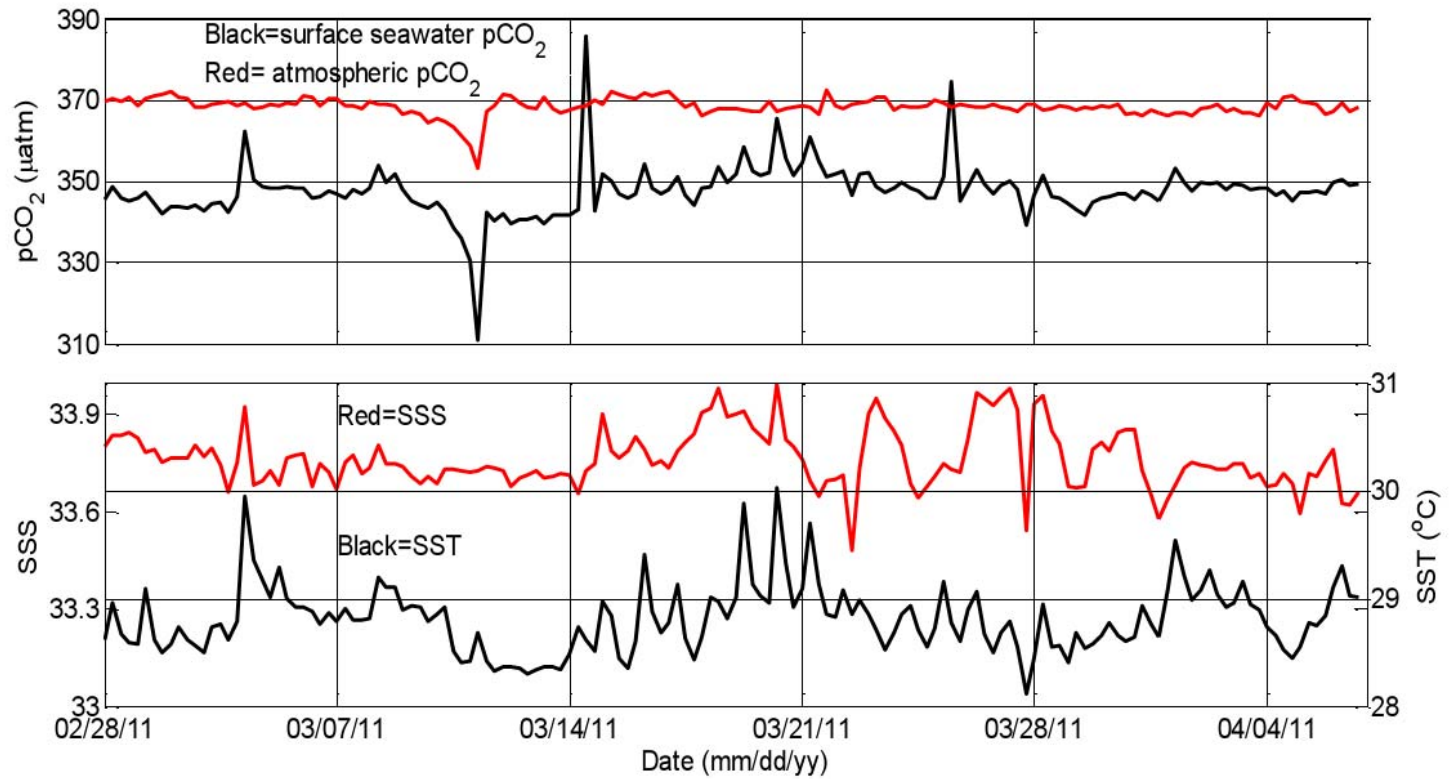
# Hourly Salinity Profile: 0-100m

During Feb. 28 – Aug. 31<sup>th</sup> 2011





# CO<sub>2</sub> Data



# Hardware of the Communication System in Lab.



# Thank you!



The Indian Ocean  
Observing System

Ocean and Climate  
You care, We try  
All benefit



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