

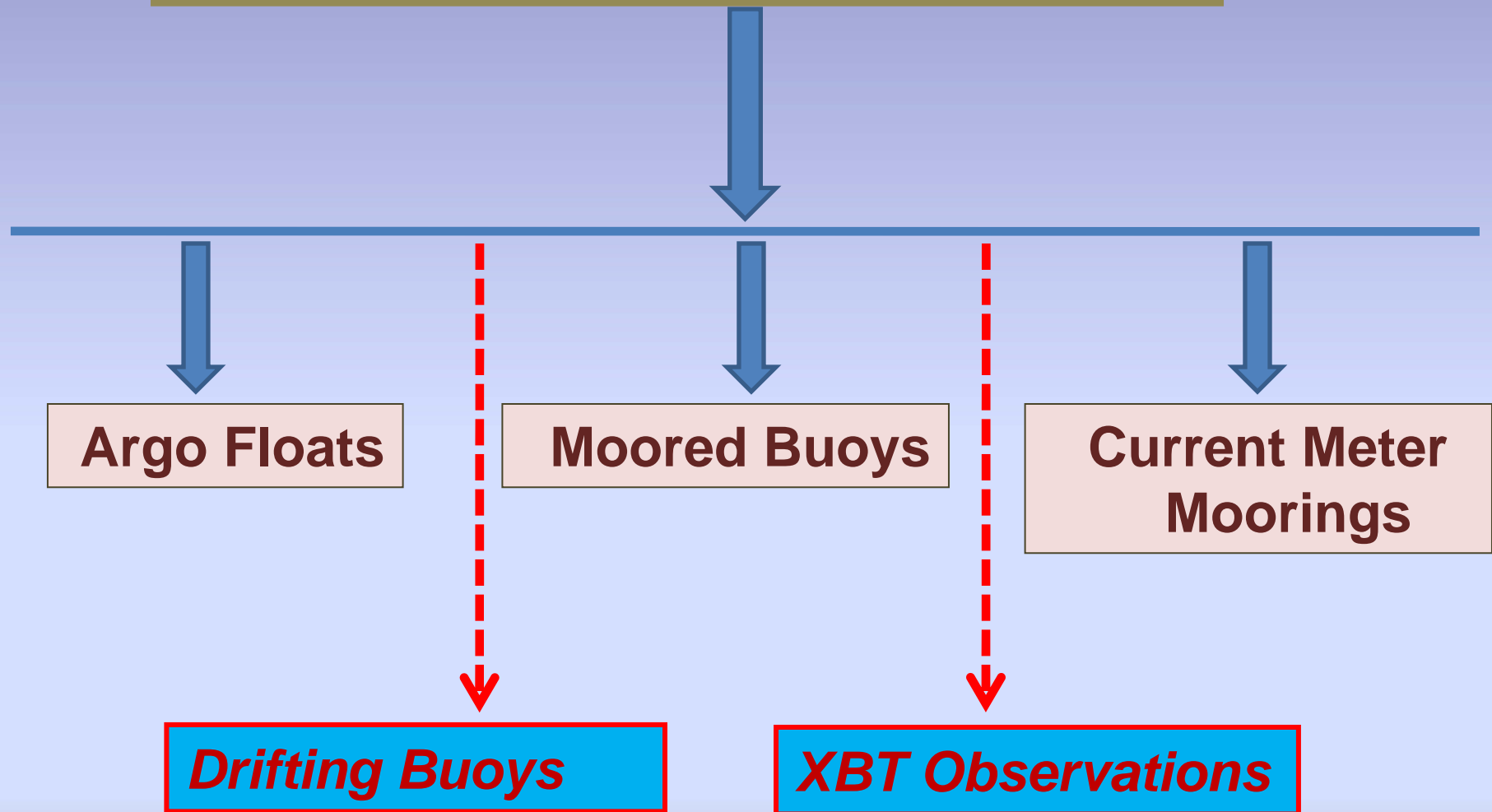
# Indian XBT Program



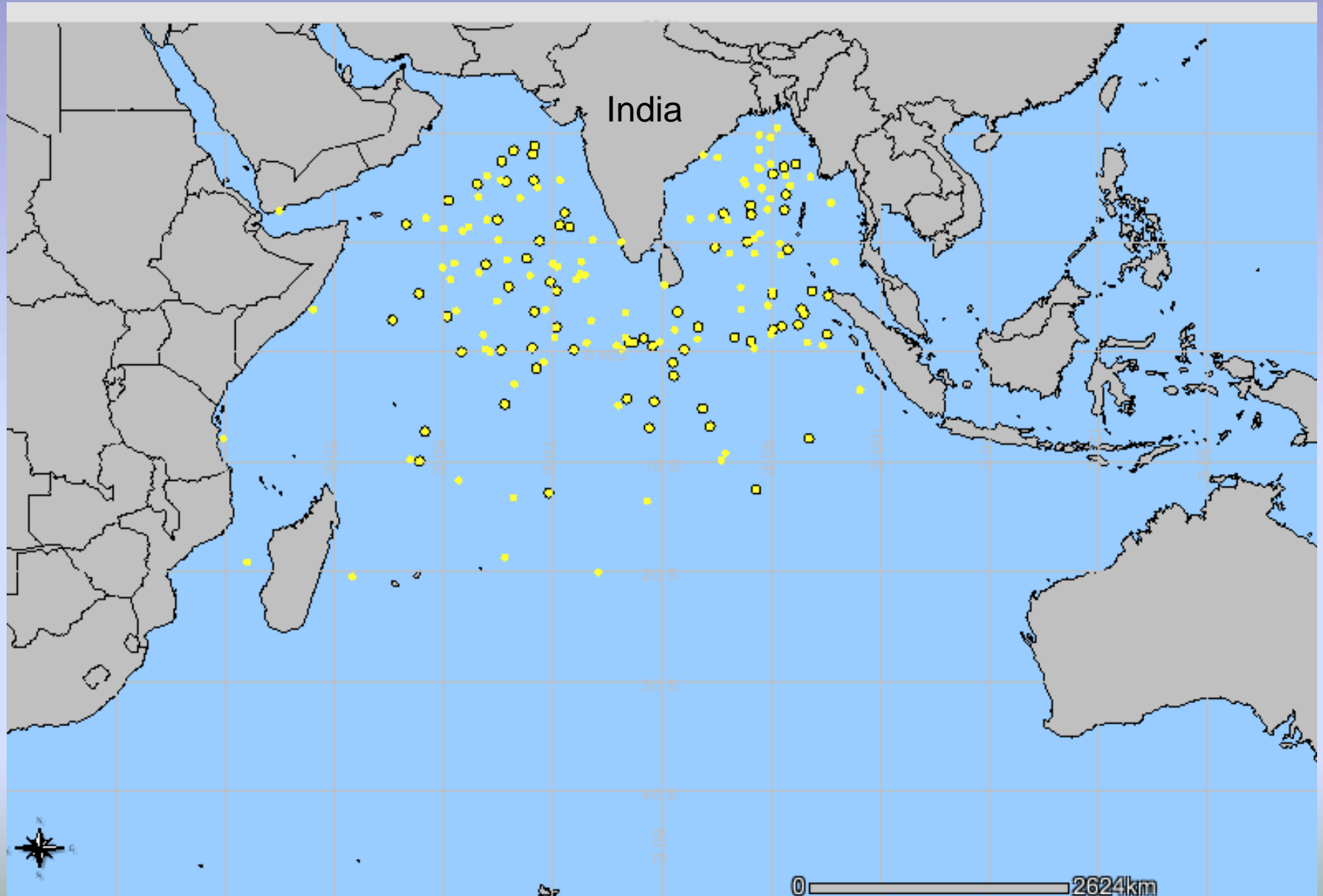
**Dr. V. V. GopalaKrishna**  
**Principal Investigator**  
**National Institute of Oceanography**  
**Goa - 403004**  
**India**



# Ocean Observing Systems



# Active Indian ARGO floats

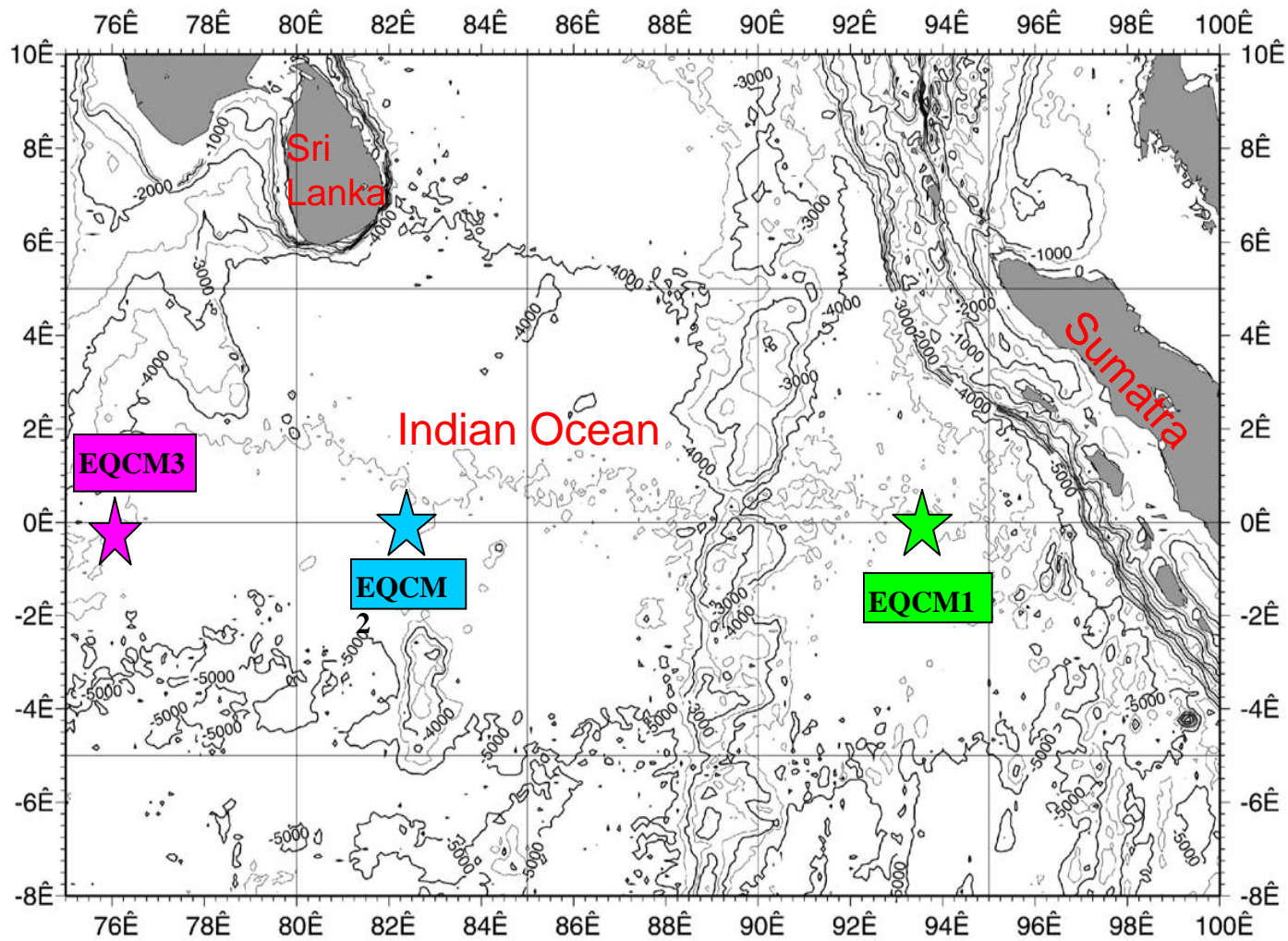




# Buoy Locations



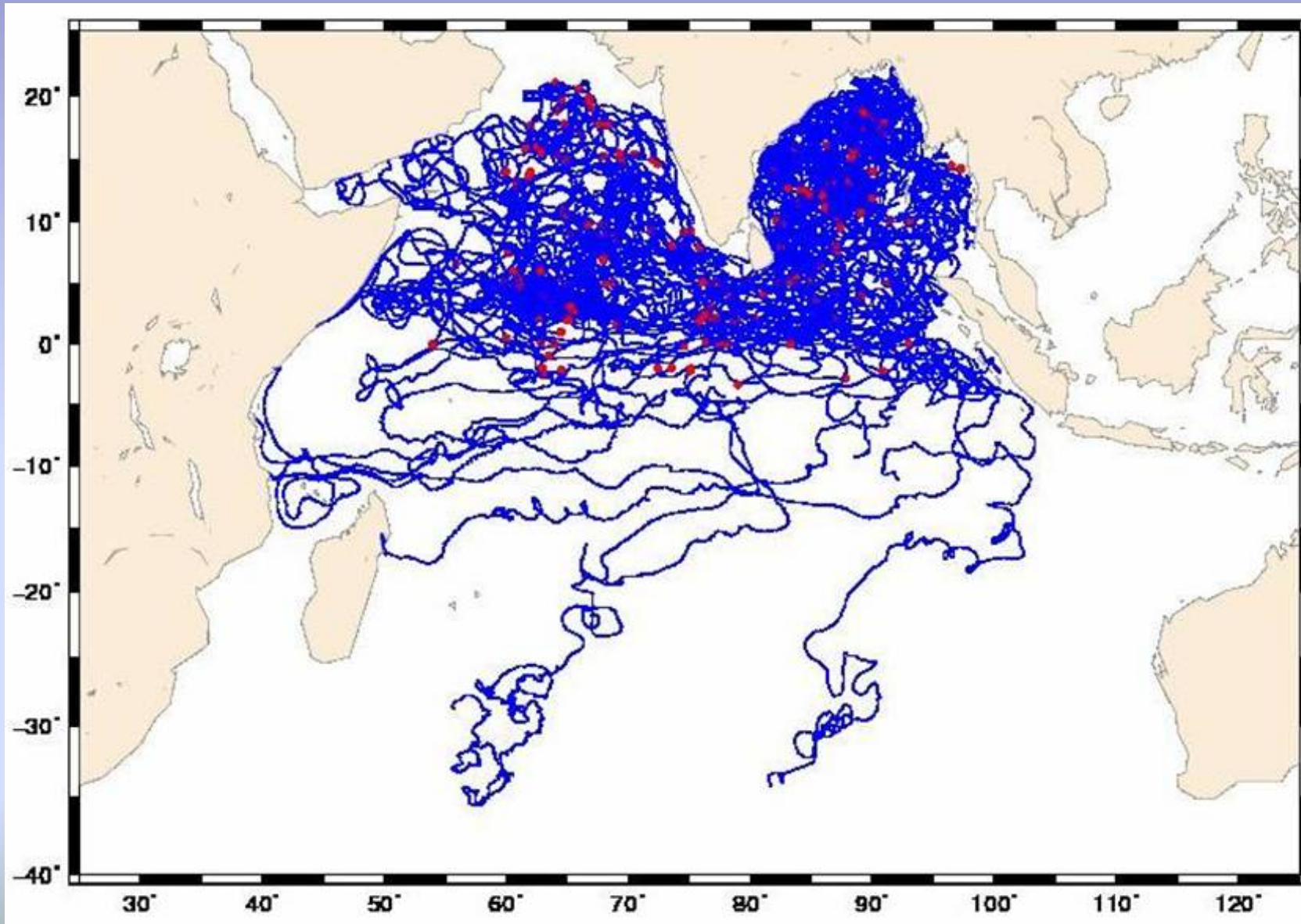
# Current Meters Locations



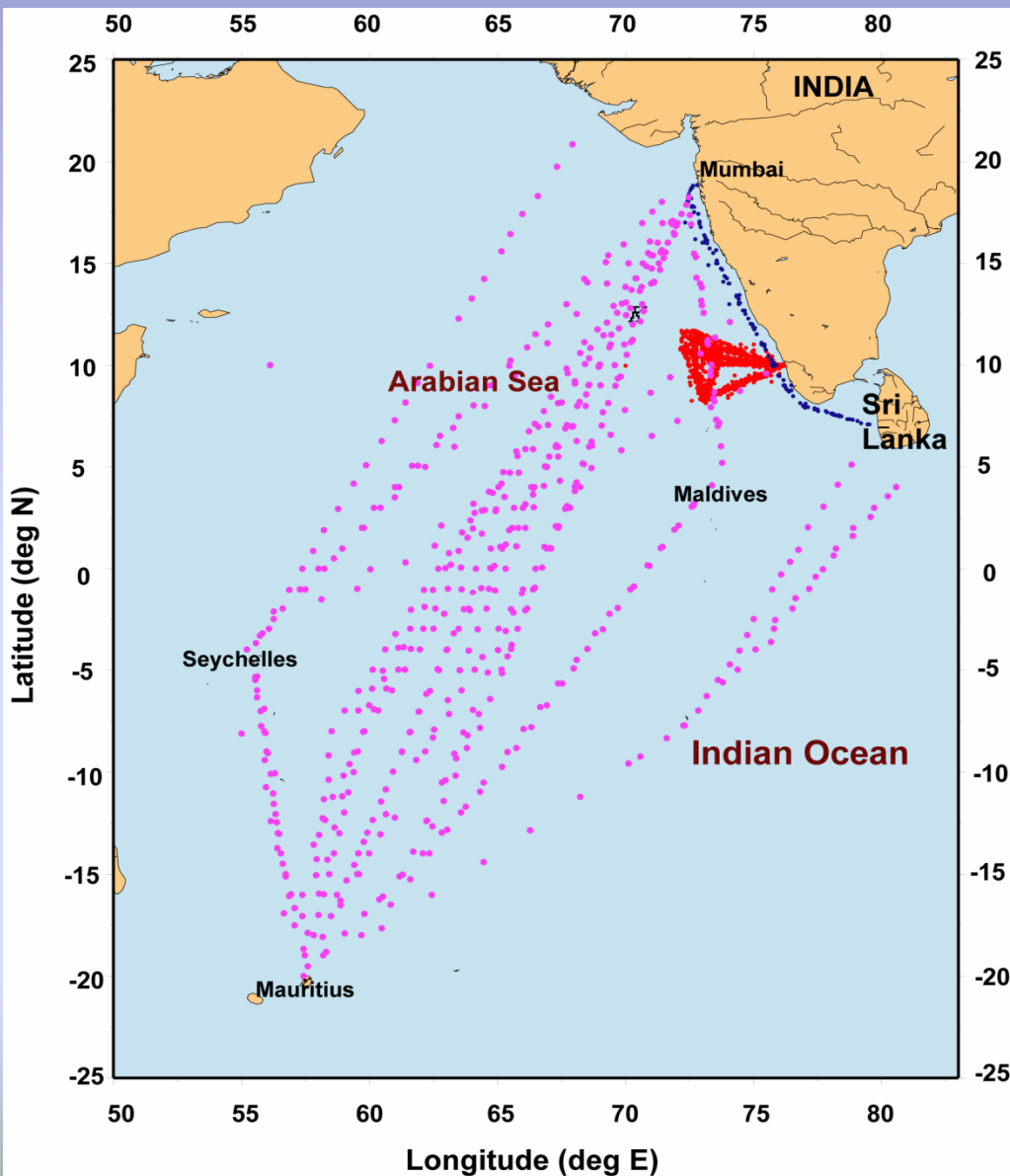
GMT 2004 Nov 24 17:37:32 kamesh-Jm0.9-contour int=500m



# Active Buoys deployed since October 1991



# XBT Transects in the Arabian Sea & Western Indian Ocean

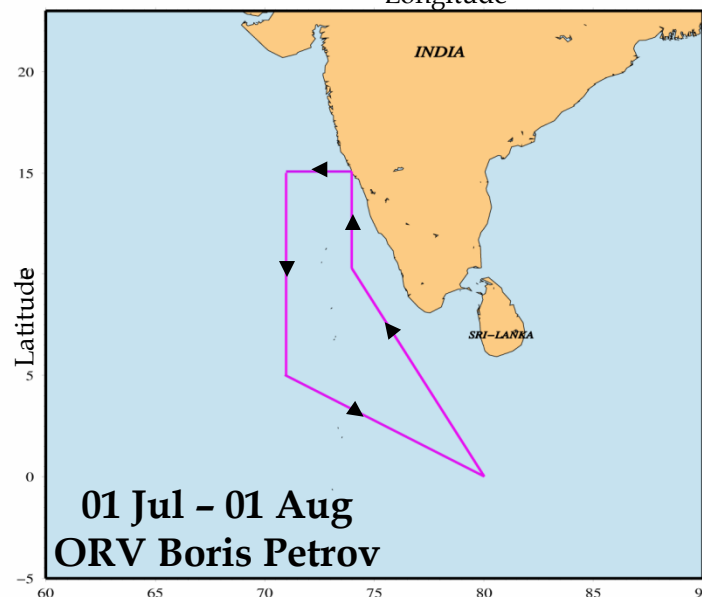
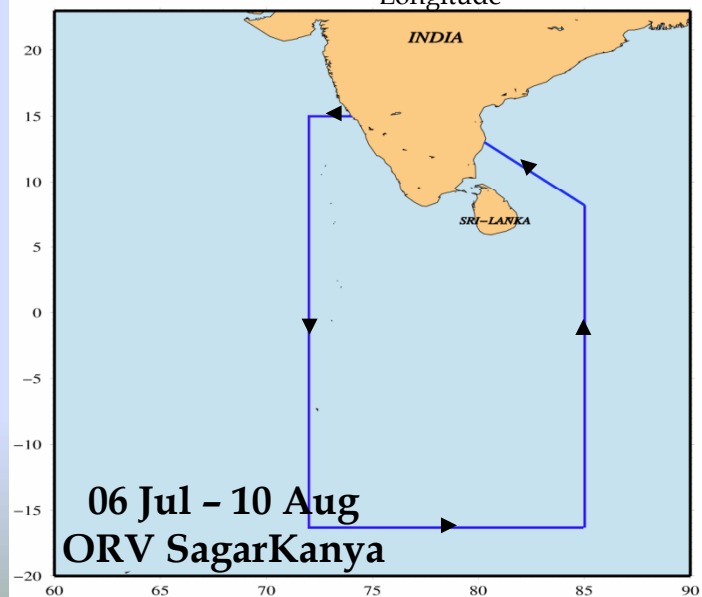
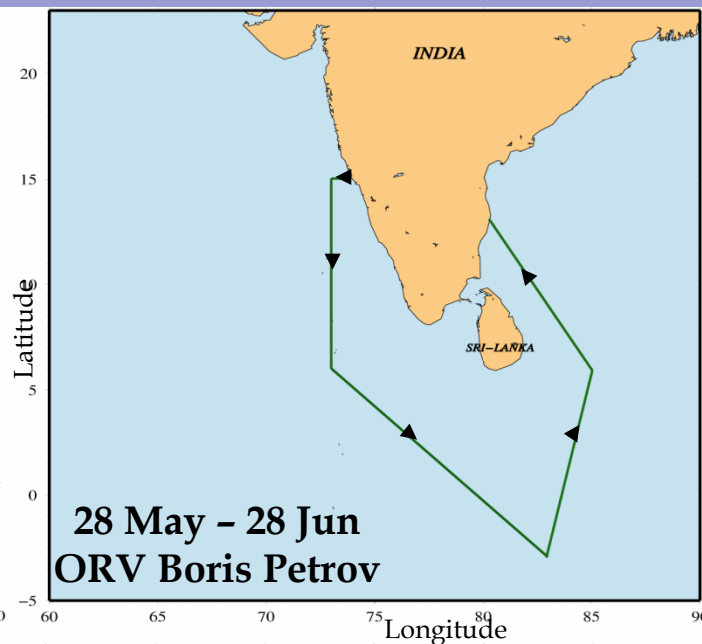
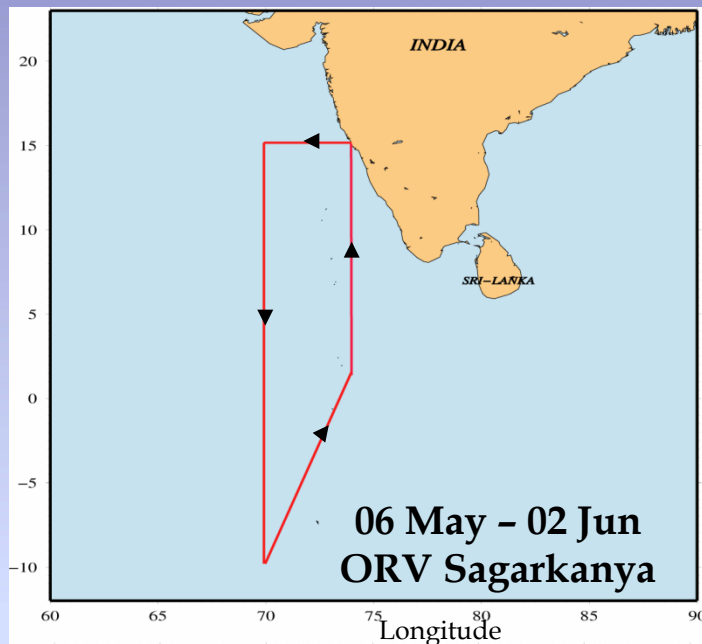


**Bombay-Mauritius (IX – 8)  
1992 – 2000**

**Bombay – Colombo  
2002 – 2004**

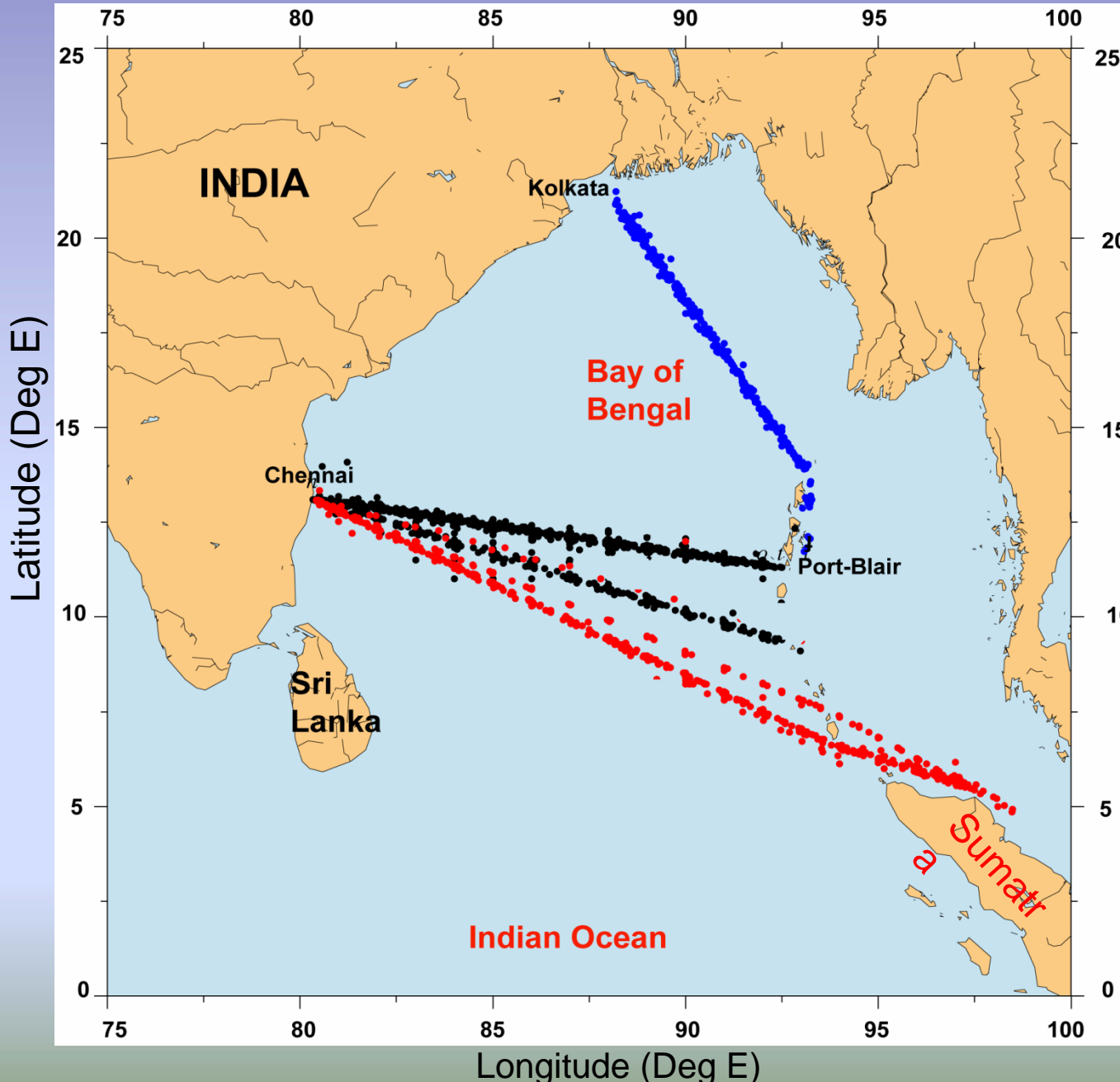
**South Eastern Arabian Sea  
2002 – Ongoing (at Fortnightly  
intervals)**

# Planned XBT transects in the Indian Ocean during 2009





# XBT Transects in the Bay of Bengal



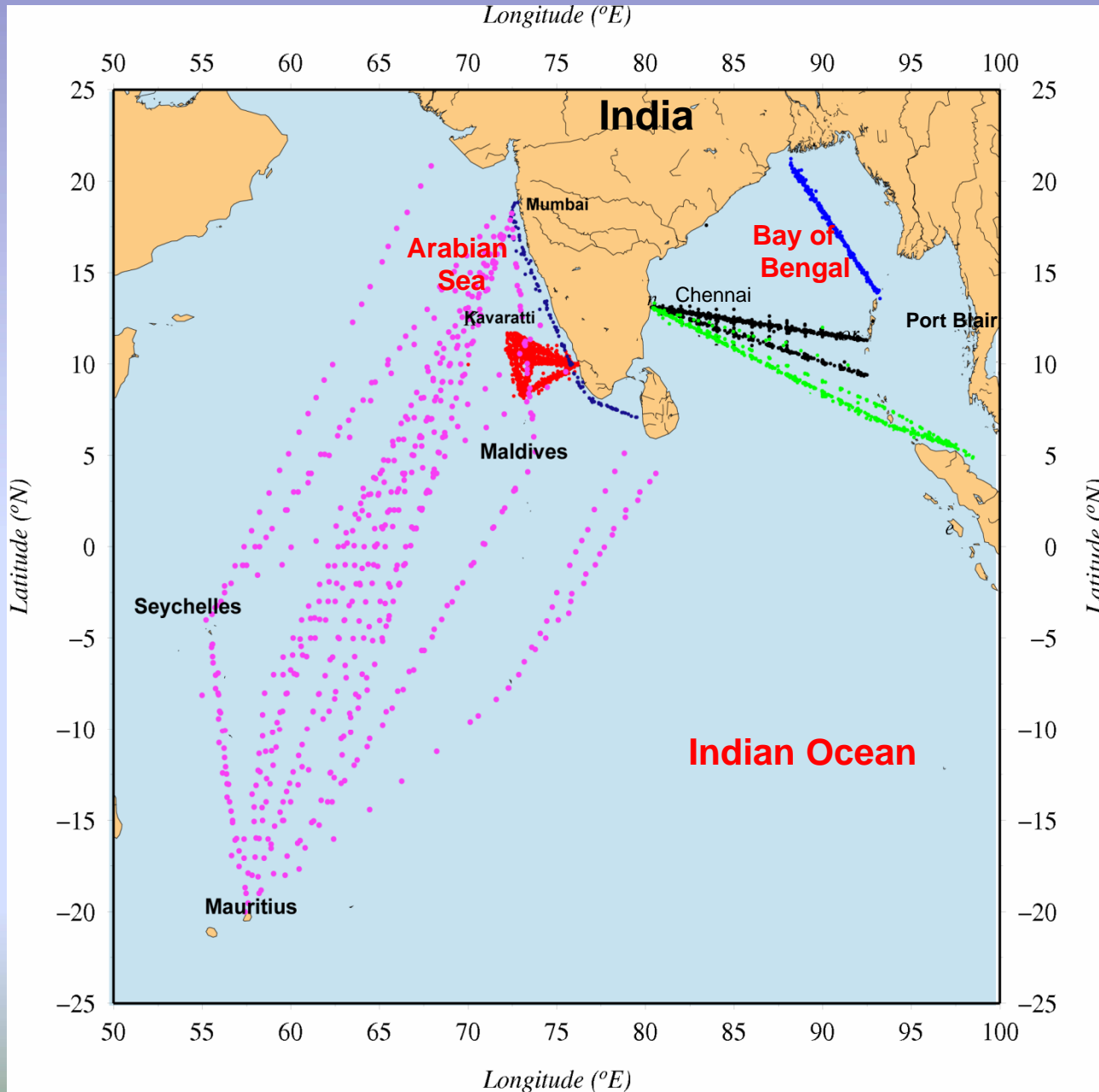
**Chennai – Port Blair (IX-14)  
1990 – Ongoing**

**Port Blair - Kolkata  
1990 – Ongoing**

**Chennai - Singapore  
2002 - 2006**



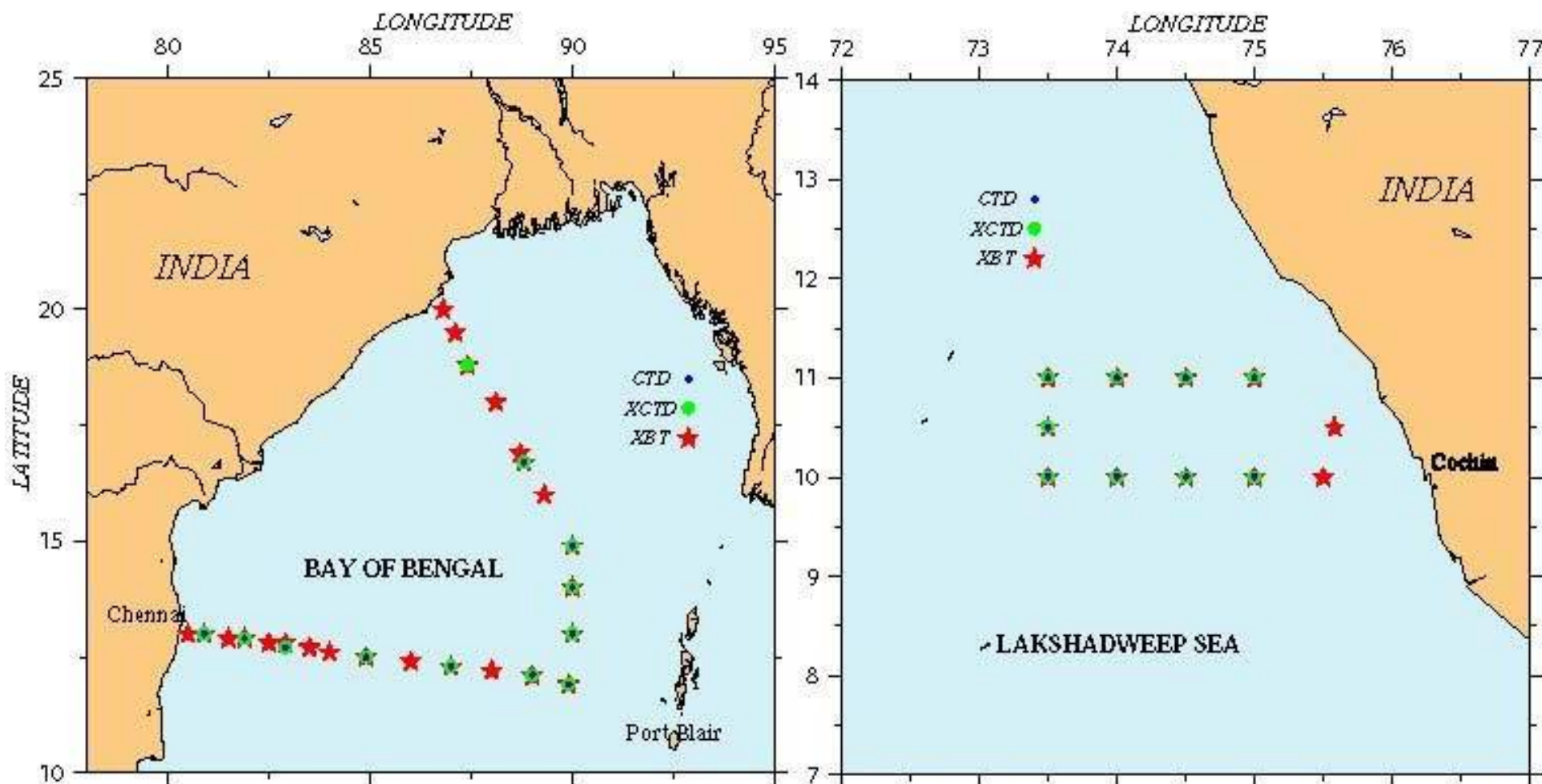
# Composite Map of XBT transects in the Seas around India



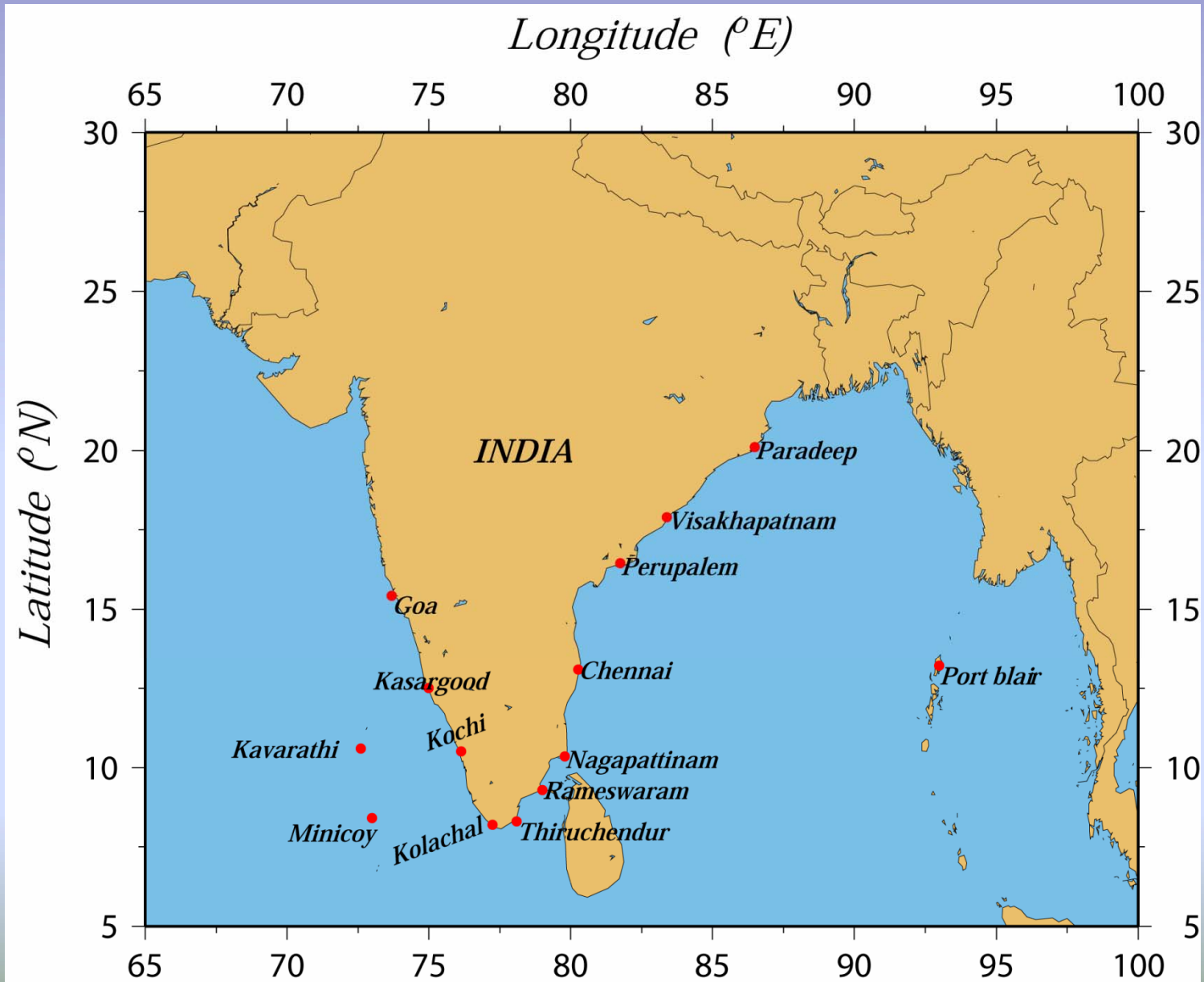
# XBT/XCTD/CTD Simultaneous Deployments (Collaborative work with Tim Boyer, NODC, USA)

**SAGAR KANYA**  
(10 – 21 Oct 2008)

**SAGAR SHUKTI**  
(01 – 05 Dec 2008 & 01-05 Apr 2009)



# Weekly Sea Surface Salinity measurements around the Indian Coast





**THANK YOU**