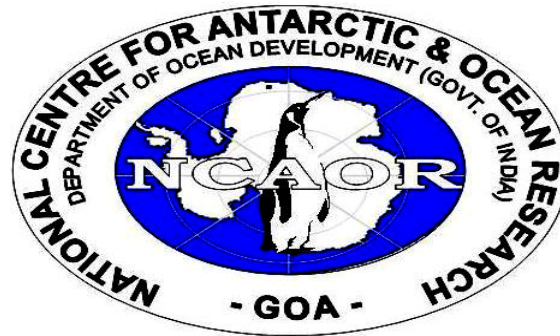


Seasonal and Interannual Variability of Turbulent Heat Flux over the Lakshadweep Sea

A. J. Luis, M. Sudhakar, Y. K. Somayajulu, and Rasik Ravindra



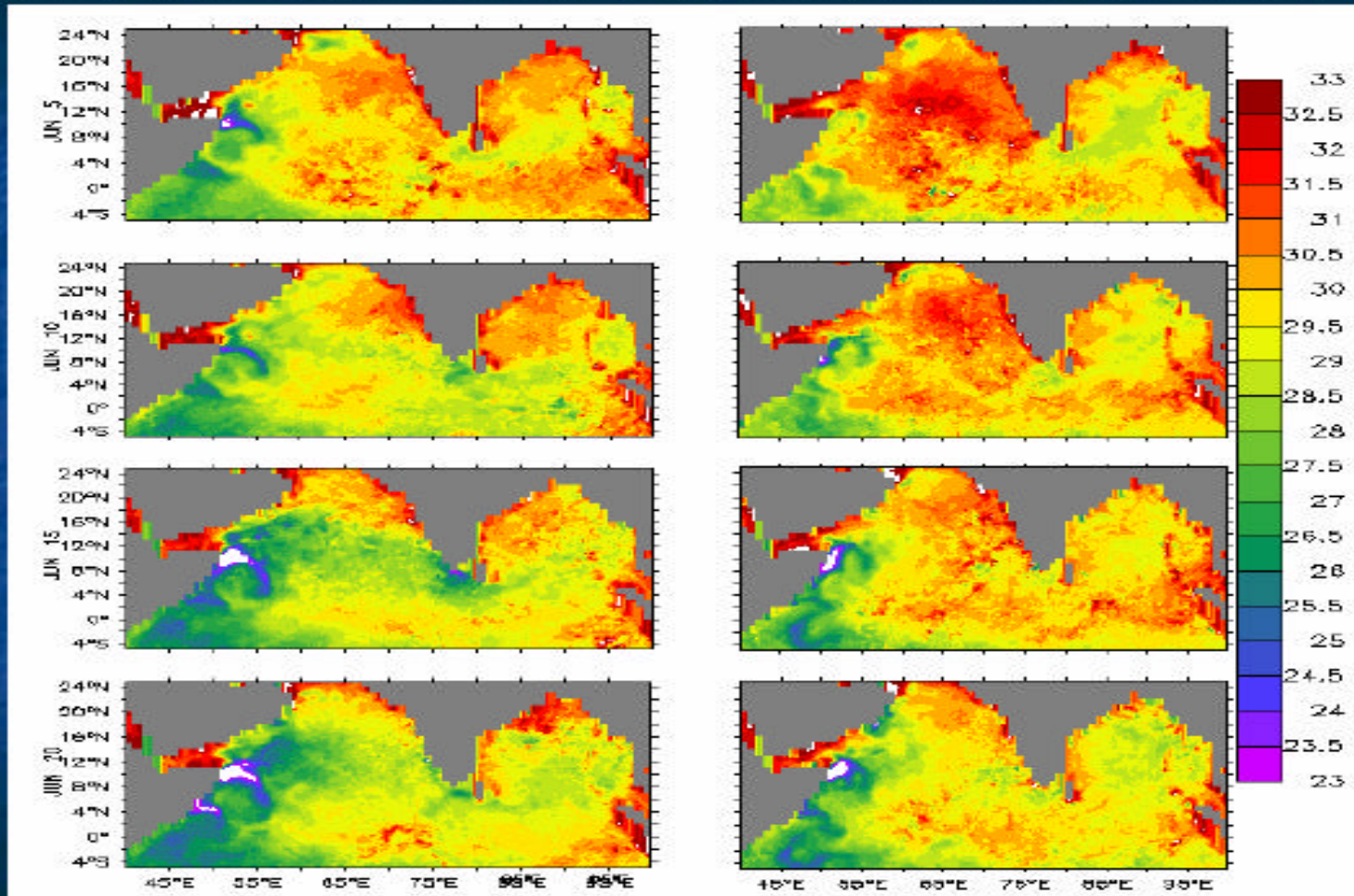
National workshop on ARMEX- data analysis & Modelling: 19-21 April, 2006

Objectives

- **Life cycle of the Lakshadweep SST high and its spatiotemporal structure**
- **Components of surface fluxes and air-sea interaction processes in the Lakshadweep Sea during 2002 and 2003**
- **Variation of air-sea fluxes, vertical stability and wind shear in association with these systems**

Why 2002 and 2003?

SST (TMI) COMPARISON JUN 2002 (LEFT) & 2003 (RIGHT)



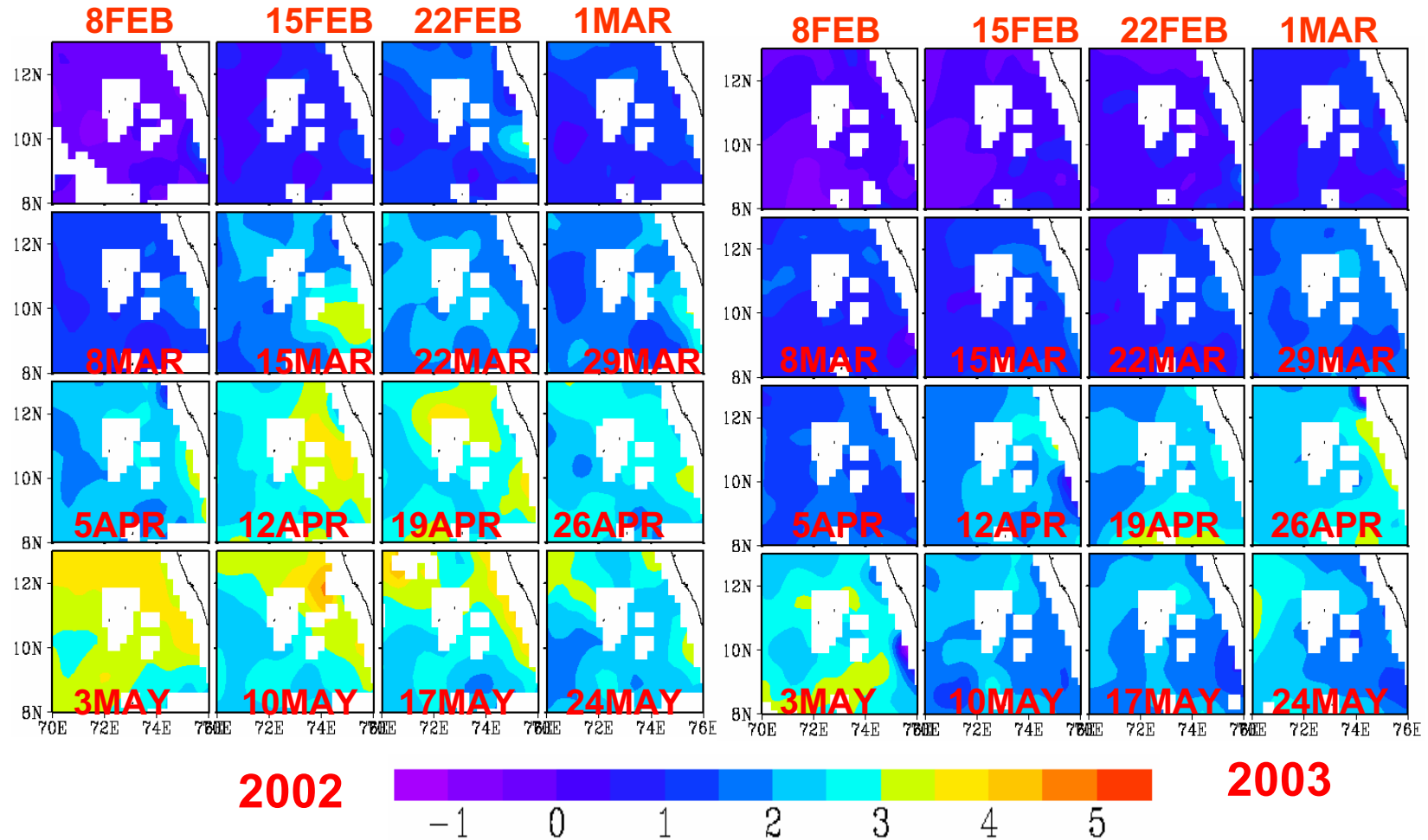
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Data and Methods

- TMI SST (ver03) 3-day composite
0.25°x0.25° fields
- QuikSCAT-based 10-m wind vectors
<http://www.ifremer.fr/cersat/en/data/>
- NCEP-NCAR surface met data
<http://cdc.noaa.gov>
- TOGA/COARE Bulk flux algorithm of Fairall
et al. JGR 1996

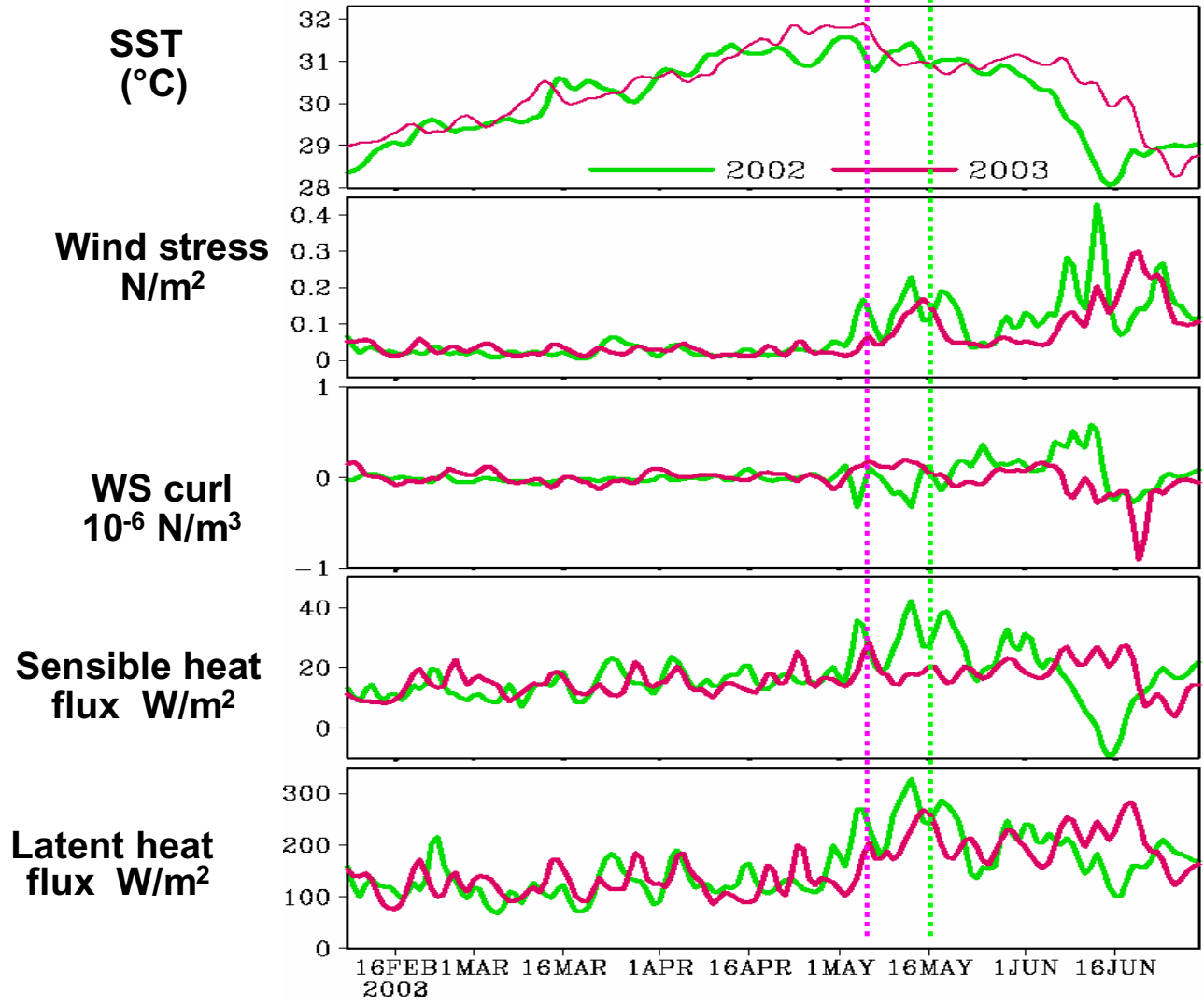
Pre-monsoon Lakshadweep high SST pool

TMI SST data at weekly intervals



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Interannual variability



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Thanks