Air-Sea Interaction from DINEOF reconstructed daily satellite SST images

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05/31/2006 42.17% cloud covered



06/29/2006 82.07% cloud covered





12°W

10'W

7°W

5'W



1

azti tecnalia



OUTLINE





Verification: Vs Original satellite data & Vs in-situ ICOADS measurements

Verification: Comparison with other available reconstructions

* Optimun Interpolation (OI) reconstruction by Reynolds et al. (2002 & 2007)

* Kriging reconstruction by Saulquin and Gohin (2010)









Ganzedo et al., preparing manuscript





MCA: SST vs NET surface heat flux







LAG=+4





MCA: dSST/dt vs NET surface heat flux

Physically: dSST/dt = Flux















Understanding MCA: Different variables





 Interpretation and understanding of spatial structure of MCA SST patterns

•All heat fluxes and seasonal analysis

Identification of specific effects related to oceanic processes

