

**MESOSCALE HYDROGRAPHIC FEATURES OF THE CANARY ISLANDS REGION.  
BIOCAN 98**

Poster

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The mesoscale dynamics of the Canary Islands region have been investigated using in situ and remote sensing observations in september 1998 as part of the Biocan'98 cruise carried out on board "Thalassa". After 157 hydrographic stations, several mesoscale structures are noticeable: a) Cold core cyclonic eddies with a scale order of 40 to 100 km have been clearly indentified in the western side of the region showing isopycnals doming upwards by ca. 100 m. b) Anticyclonic structures alternating with the previous ones. c) Cold water filaments interacting with eddies in the eastern part of the area studied. The eddy field in Canary Islands is thought to be particularly important with regard to the physics of this region, and may influence the resulting chemical properties of the water which would ultimately result in enhance the rate of organic matter production.