## PUTTING WATER MASSES, CIRCULATION AND SURFACE FLUXES TOGETHER FOR THE MEDITERRANEAN : A BOX-MODEL STUDY

## Benyang TANG<sup>1</sup>, Alex LASCARATOS<sup>2</sup> and Andrew J. WEAVER<sup>1</sup>

<sup>1</sup> School of Earth and Ocean Sciences, Univ. of Victoria, B. C. V8W 2Y2, Canada <sup>2</sup> Univ. of Athens, Dept. of Applied Physics, 33 Ippocratous Str., 10680 Athens, Greece

Water masses, circulation and air-sea interactions are three important components of the Mediterranean system. The estimates of these three components should be consistent in terms of heat and salt balance in differents sectors of the Mediterranean basin. In this study, we put the water masses, circulation and surface fluxes together in a box model to examin the heat and the salt balance. We estimates the latter two by asking the question : What circulation and surface fluxes give the Mediterranean temperature and salinity distributions ?



 $\vec{F} \cdot \vec{F} \cdot$ 



Rapp. Comm. int. Mer Médit., 34, (1995).