

***Interactive comment on “Calculating the water and heat balances of the Eastern Mediterranean basin using ocean modelling and available meteorological, hydrological, and ocean data” by M. Shaltout and A. Omstedt***

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The paper is well presented with an important topic. However there are some comments. 1- In the abstract, RESULTS ILLUSTRATE .....AND SALINITY FOLLOW THE REANALYSED DATA. what is meant by this phrase. 2- Page 1303, 3rd line ward flow reappeared. 3- Pge 1303 line 7 to forming to be (to form). 4- Page 1305 wahat is the reference level ? GEOID? 5- Fig. 9 monthly average over what what area? title should be clear for exact referencing by others. 6- Fig. 10 a) T-S diagrams of modelled and real data are very different. This raises the question of accuracy of model output. 7- In

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same fig 10. monthly figure.... WHERE ARE THE MONRHS ON THE FIG. 8- Fig. 11. WHERE ARE THE REAL DATA TO COMPARE WITH? 9- Over Figures the ward AVERAGE is mentioned with no specificatiopn of the area of the averaging?? Any average should have standard deviation. Thanks. Prof Dr. Ahmed El-Gindy, Oceanography Department, Faculty of Science, Alexandria University. PH.D. on Eastern Mediterranean circulation and Hydrography 1983 under supervision of LAte Prof. Henry Lacombe France.

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