SENSITIVITY OF AN ADRIATIC SEA MODEL TO THE OCEAN-ATMOSPHERE COUPLING

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To assess the sensitivity of a limited-area coupled ocean-atmosphere model of the Adriatic Sea to the coupling scheme several oceanographic and atmospheric parameters are compared with the observations during one year. The analysis of oceanographic model outputs shows that simulations with the full coupling are superior to uncoupled simulations, even with the higher resolution atmospheric model. On the other hand, the simulation of atmospheric parameters at coastal stations appears to be less sensitive to the coupling scheme.