



Land-Sea Contrasts in transient CGCM Simulations

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Simulations by a number of state of the art Coupled Global Climate models for the SRES A1B scenario were analysed. We compared changes in temperature profiles over land and over sea. We found that land-sea differences in thermal inertia cannot explain all the simulated differences in the changes of temperature profiles. The possible reasons will be discussed.

For precipitation changes, we also found major differences between changes over land and changes over sea. Moreover, it appeared that different models simulate rather different precipitation changes, over land in particular. The possible reasons will be discussed.