

Ekman Transport and Depth-Integrated Meridional Transport in the Atlantic

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Ekman water and heat transport in the Atlantic Ocean will be revisited using nine years of QuikSCAT vector wind data. Comparison of the surface Ekman transport with preliminary estimation of the depth-integrated meridional water and heat transports will be presented. The meridional transport is estimated from spacebased surface water and heat fluxes. Time dependent water and heat storage changes are estimated from data of the Jason altimeter and the Gravity Recovery and Climate Experiment.