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## Stratosphere-troposphere coupling: Extratropical wave coupling and the impact of model configuration

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Planetary waves represent the most important source of dynamical coupling between the stratosphere and troposphere in the extratropics. Here we examine the impact of stratospheric model configuration on modeled planetary-scale waves during Northern Hemisphere winter and Southern Hemisphere spring. We analyze planetary scale Eliassen-Palm fluxes between the troposphere and stratosphere in high-lid and low-lid models. The relationship between the wave fluxes and the stratospheric basic state (zonal wind and temperature) is examined.