

***Interactive comment on “A global climatology of stratosphere-troposphere exchange using the ERA-interim dataset from 1979 to 2011” by B. Skerlak et al.***

**B. Skerlak**

bojan.skerlak@env.ethz.ch

Received and published: 6 May 2013

Thank you for your comment. There indeed is a strong connection between the Brewer-Dobson circulation and STE on large scales (ascent in the tropics, descent in the extratropics and thus predominantly TST in the tropics and STT in the extratropics). A good description of this connection can be found in Holton et al. 'Stratosphere-troposphere exchange' (1995) DOI: 10.1029/95RG02097

---

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 11537, 2013.