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***Interactive comment on “Relationships among
Brewer-Dobson circulation, double tropopause,
ozone and stratospheric water vapour” by
J. M. Castanheira et al.***

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Suggestions on "Relationships among Brewer-Dobson circulation, double tropopause, ozone and stratospheric water vapour"

1. Introduction: Authors should also mention Dhomse et al., 2008, ACP), who used SAGE and HALOE water vapor data to show correlation between tropical lower stratospheric water vapor and planetary wave driving (eddy heat flux at 100 hPa).
2. Concluding Remarks :- Authors should try to caution the readers about some inhomogeneities in ERA-interim data (Dhomse et al.,2011, ACP)

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References:-

1. Dhomse S; Chipperfield MP; Feng W; Haigh JD (2011) Solar response in tropical stratospheric ozone: a 3-D chemical transport model study using ERA reanalyses, *ATMOSPHERIC CHEMISTRY AND PHYSICS*, 11, pp.12773-12786. doi: 10.5194/acp-11-12773-2011
2. Dhomse S; Weber M; Burrows J (2008) The relationship between tropospheric wave forcing and tropical lower stratospheric water vapor, *ATMOSPHERIC CHEMISTRY AND PHYSICS*, 8, pp.471-480.

Sandip

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 12, 12391, 2012.

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