

Referee report: Eichinger et al. (2015)

The authors adequately addressed all issues raised by the reviewers and I now recommend publication of the paper.

I have one final minor wording comment which the authors may include (or not):

P11/L698:

'...the $\Delta D(H_2O)$ tape recorder is strongly controlled by tropospheric effects through clouds and convection and not simply 700 by in-mixing of extratropical air masses.'

But Fig. 9 shows a strong tape-recorder amplitude even without cloud-effects ($\sim 2/3$ of the reference case including cloud-effects). Hence, is 'strongly controlled' the appropriate wording here? (perhaps better use 'affected/contributed/...').