

Dear editor and reviewers,

We would like to thank you for your comments on the paper. The following changes were included to the final version of the manuscript:

**P1, L35. “refereed” should be “referred”**

Done.

**P3, L74. The definition of DOAS is repeated**

The repeated definition was removed.

**P3, L83-84. “...included in the...”**

‘To’ was changed to ‘in’ as suggested.

**P8, L183. This SI seasonality has also been noted in a large number of climatological studies (e.g. Sprenger and Wernli, 2003).**

An additional citation to Sprenger and Wernli (2003) was added.

**P8, L184. “forecast”**

‘Forecasted’ was changed to ‘forecast’.

**P8, L185 and P9, L215. Perhaps use “upslope flow” instead of “the slope mountain effect”**

‘the slope mountain effect’ was replaced with ‘upslope flow’.