

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’.