

Interactive comment on “Seasonal impact of natural and anthropogenic emissions on the highest glacier of the Eastern European Alps” by J. Gabrieli et al.

J. Gabrieli et al.

gabrieli@unive.it

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“Overall, the study contributes to the understanding of seasonal trace elements variations in fresh fallen snow from the Eastern European Alps. However, I agree to reviewer #1, that some of the results of the study (e.g. influence of a stable boundary layer) are not unknown and some results were part of the recent publication by Gabrieli et al. (2010). So, please point out more clearly the new insights of this study in comparison to previous publications”.

REPLAY: Referee # 1 has also mentioned this point, and we have addressed these concerns in the above response to the reviewer. Please find our response in the replay

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to the Referee # 2.

“Page 6495, L. 10: please add the meaning of abbreviation “EFc” page 6507, L. 11: missing space between “.” “Solid” page 6528, Fig 5: please add the meaning of DJF, MAM, JJA and SON to the caption”.

REPLAY: We thank the reviewer for identifying these abbreviations, and have now explained all acronyms in the text.

“Page 6496, L. 19 and 21: Van de Velde et al. 1999 and Van de Velde et al. 2000 are missing in the references. Van de Velde et al. 1998 appears in the references, but not in the text”.

REPLAY: We thank the referee for reporting these incongruities in the bibliography, and we have fixed this error.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 6493, 2011.