

Interactive comment on “Saharan dust events in the European Alps: role on snowmelt and geochemical characterization” by Biagio Di Mauro et al.

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Hi,

A recent study (Francis et al., 2018) has shown how the changes in the polar jet circulation are favoring the occurrence of dust storms over North Africa and driving the dust transport poleward. Maybe these findings can help to put in context the synoptic situation associated with the events discussed in the current paper.

Francis, D., Eayrs, C., Chaboureaud, J.-P., Mote, T., & Holland, D. M. (2018). Polar jet associated circulation triggered a Saharan cyclone and derived the poleward transport

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of the African dust generated by the cyclone. *Journal of Geophysical Research: Atmospheres*, 123. <https://doi.org/10.1029/2018JD029095>.

Please also note the supplement to this comment:
<https://www.the-cryosphere-discuss.net/tc-2018-241/tc-2018-241-SC1-supplement.pdf>

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2018-241>, 2018.

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