

Atmos. Chem. Phys. Discuss., community comment CC1  
<https://doi.org/10.5194/acp-2021-827-CC1>, 2021  
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## **Comment on acp-2021-827**

Deborah Morgenstern

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Community comment on "Lightning activity in northern Europe during a stormy winter: disruptions of weather patterns originating in global climate phenomena" by Ivana Kolmašová et al., Atmos. Chem. Phys. Discuss.,  
<https://doi.org/10.5194/acp-2021-827-CC1>, 2021

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Thanks for your interesting analysis.

Regarding your conclusion about the higher sea surface temperatures and increased water vapor (Abstract line 24 and lines 294-301):

Could you please describe more precisely what you have analyzed and how the SST changed in your observed region? You could replace the link to this clip with global SST by some numbers for your observed region or even produce a plot similar to Fig.6.

Please support your speculation about enhanced available atmospheric water vapor by data or omit this statement from your manuscript.