

Earth Syst. Dynam. Discuss., author comment AC2  
<https://doi.org/10.5194/esd-2021-5-AC2>, 2021  
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## Reply on RC2

Manuela I. Brunner et al.

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Author comment on "Space-time dependence of compound hot-dry events in the United States: assessment using a multi-site multi-variable weather generator" by Manuela I. Brunner et al., Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2021-5-AC2>, 2021

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We thank the reviewer for highlighting the value of our work and for indicating the need to discuss the limitations of the stochastic simulation approach in more detail. We added methodological clarifications where suggested and expanded the discussion section by discussing model limitations in more detail. Please find our detailed responses in the PDF attached.

Please also note the supplement to this comment:  
<https://esd.copernicus.org/preprints/esd-2021-5/esd-2021-5-AC2-supplement.pdf>