

Atmos. Chem. Phys. Discuss., community comment CC1
<https://doi.org/10.5194/acp-2021-238-CC1>, 2021
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Note bias in emissions data over western USA

Steven Smith

Community comment on "Evaluation of SO₂, SO₄²⁻ and an updated SO₂ dry deposition parameterization in UKESM1" by Catherine Hardacre et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-238-CC1>, 2021

Note that the emissions data has a known bias, with SO₂ emissions too high over the Western USA. This may be because the proxy data used to spatially distribute emissions does not take into account lower sulfur coal used in power plants and industry in the western USA. This will likely impact results there. (This has smaller relative impact eastern US emissions since values are much larger overall in the east.)

<https://github.com/JGCRI/CEDS/issues/2>