Climate of the Past Discussions

Clim. Past Discuss., referee comment RC2
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Comment on cp-2022-55

Anonymous Referee #2

Referee comment on "Quantifying the contribution of forcing and three prominent modes of variability to historical climate" by Andrew P. Schurer et al., Clim. Past Discuss., https://doi.org/10.5194/cp-2022-55-RC2, 2022

Review of: 'Quantifying the contribution of forcing and three prominent modes of variability on historical climate'; https://doi.org/10.5194/cp-2022-55

This paper's experiments and results appear straightforwardly produced and written up and I do not have many comments or issues. The only concern I have is that the verification of the DA only includes the correlation metric, which by its nature does not provide any information about bias. I think the authors ought to provide, at least in the supplement, some verification metric that incorporates bias, such as 'bias' or 'mean absolute error' or 'continuous-ranked probability score'. So I am suggesting a verification just like Fig 6 but for an additional metric. This will allow for a more complete assessment of the limitations of the DA product.