Wind Energ. Sci. Discuss., referee comment RC2
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Comment on wes-2022-59

Hamish Macdonald (Referee)

Referee comment on "Lifetime prediction of turbine blades using global precipitation products from satellites" by Merete Badger et al., Wind Energ. Sci. Discuss., https://doi.org/10.5194/wes-2022-59-RC2, 2022

Comments have been provided in the attached PDF. Several relate to grammatical and tense errors.
The impetus for the paper is understandable, with satellite data potentially providing a useful alternative for the lack of rain measurement data offshore, However, the IMERG accumulations do not appear to be in good agreement with the in-situ data and the relative bias for rainfall intensities is a concern. It is a bit of a stretch to suggest this data is now suitable for lifetime predictions, as it could be rainfall is not as impactful a factor in the calculation. If there was a "ground truth" of actual physical blade condition to compare against this would provide a stronger argument but these are estimations. The lifetime prediction calculation methodology needs be explained in more detail and the main statement of the paper justified further.

Please also note the supplement to this comment:
https://wes.copernicus.org/preprints/wes-2022-59/wes-2022-59-RC2-supplement.pdf