

Earth Syst. Sci. Data Discuss., referee comment RC2
<https://doi.org/10.5194/essd-2021-227-RC2>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.



Comment on **essd-2021-227**

Anonymous Referee #2

Referee comment on "Water clarity annual dynamics (1984–2018) dataset across China derived from Landsat images in Google Earth Engine" by Hui Tao et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-227-RC2>, 2021

The manuscript describes a water clarity product derived from Landsat images available through GEE. The manuscript is well organized and written, and the derived product would benefit the community that is interested in inland water management and the response of inland waters to climate change. Before this manuscript is published, this reviewer believes that addressing the following general comments would improve the quality of the manuscript.

- In the manuscript, some statements have confliction, particularly about the used Landsat images. At some places, it is stated that TOA reflectance is used, but in figure captions, surface reflectance is stated. Please clarify.
- Some sentences or statements are confusing, and need to be rephrased.
- There are some grammar errors, and the suggestions and comments from this reviewer can be found in the annotated pdf document.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2021-227/essd-2021-227-RC2-supplement.pdf>