

Earth Syst. Sci. Data Discuss., author comment AC3
<https://doi.org/10.5194/essd-2021-156-AC3>, 2021
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Reply on RC2

Xiaobin Guan et al.

Author comment on "Fusing MODIS and AVHRR products to generate a global 1-km continuous NDVI time series covering four decades" by Xiaobin Guan et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-156-AC3>, 2021

Dear Referee #2,

We are particularly grateful for your careful reading and constructive comments. Although there are still insufficiencies in the STFLNDVI product presented in our study, it is the first attempt to produce the global 1-km long-term NDVI dataset that may be helpful for global change studies. We have taken full consideration of your comments to improve the product and revise the manuscript to make it better. An item-by-item response can be found in the Supplement. More experiments are conducted to assess the availability of STFLNDVI on spatial patterns and temporal variations. We are also reproducing the dataset by referring to the mean value calculated from the overlapping MODIS and AVHRR time series, in order to reduce the uncertainties caused by the selected one-year reference data.

Once again, we are particularly grateful for your careful reading and constructive comments. Thanks very much for your time.

Best regards,

Ph.D. Xiaobin Guan

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2021-156/essd-2021-156-AC3-supplement.pdf>