

## ***Interactive comment on “A long-term record of blended satellite and in situ sea surface temperature for climate monitoring, modeling and environmental studies” by V. Banzon et al.***

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Thank you for the enlightened comments. The spectral analysis is an interesting point, but beyond the scope of the paper, which is intended only to describe the dataset and does not do any new analysis. But the comment is well taken, and we agree that there is a need for a spectral comparison of many SST datasets.

I am aware of work in progress by Mike Chin at JPL, whom I contacted. A few years ago, he agreed to do spectral analyses of existing SST analyses submitted to GHRSSST. Unfortunately he has not completed the work, but said he might be able to send me a figure with the spectra of our product and a high resolution one for comparison, or even OSTIA, produced by the MetOffice. So while I would rather not add that to the paper,

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I could add the figure offered by Mike Chin. Would this be a satisfactory compromise? I'd have to add him as an author and add some text. Please let me know what is the preferred resolution.

Just for completeness, I also contacted Chris Merchant who leads the CCI SST team. He sent me a paper which describes the current CCI product, which was developed in phase 1, but is still being further developed in phase 2. It extends from 1991 to 2010, and there are plans to extend backward to 1982. A future paper could make the comparison against this future dataset. Because this dataset is still in development, Mike Chin has not had a chance to look at this CCI dataset.

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