

Addressing comments from Referee 1

Comment:

If I may add, could the authors add 2D histograms of LLC plotted against VIIRS and Corrected LLC against VIIRS? I understand that the scatter plot demonstrates that Corrected LLC results in less extrema than LLC but it is difficult to decipher whether there's a bias or not for values between $-200 < LL < 600$ due to the markers overlapping with each other.

Author's Response:

Thank you for the suggestion, we agree the 2D histograms provide additional insight.

Changes to Manuscript:

We added a new figure in the revised manuscript and added some text to explain the figure. Please see Figure 7.

Comment:

In terms of scientific reproducibility, it would be better if the authors could document on their Github page (<https://github.com/AI-for-Ocean-Science/ulmo>) which files/scripts were used in what order to produce their results.

Author's Response:

Thank you for your comment!

Changes to Manuscript:

We added a ReadMe.md file on the Github page and made minor edits.