

Revision to editor's comments:

Dear Prof Yool,

We thank you for your last comment.

I have uploaded our data to the OCADS server. This has been updated in the **Code and data availability** section:

Supporting code is available in Supplementary Materials. Data (global surface ocean pCO₂ and FCO₂ from CSIR-ML6 version 2019a) is available at Ocean Carbon Data System (OCADS, https://www.nodc.noaa.gov/ocads/oceans/ndp_101/ndp101.html).

The metadata of for this data is available and Alex Kozyr (data manager) said that the data should be downloadable soon with a DOI. I'm sorry this has taken so long, but this is unfortunately out of my control at the moment.

I hope that we can move forward with this information.

Regards

Luke (on behalf of the authors)