Comment on gmd-2021-65
Jim Edwards (Referee)

Referee comment on "Evaluation and optimisation of the I/O scalability for the next generation of Earth system models: IFS CY43R3 and XIOS 2.0 integration as a case study" by Xavier Yepes-Arbós et al., Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2021-65-RC2, 2021

Overall an excellent paper. On the issue of scientific reproducibility, that the IFS parallel IO scheme is not publically available makes this aspect of the paper difficult or impossible to reproduce.

I only have a couple of suggested corrections:

Page 13, line 14: "where" should be "were"

Page 17, line 28: "of" should be "for"

Page 17, line 29: "will be blocking the model time stepping in doing so" should be "will block progress of the model time step in doing so"

I would also like to point out newer reference documents for the parallelIO library: https://github.com/NCAR/ParallelIO#references