

The authors have addressed my major concerns with the previous version. This is an interesting approach with potential for other applications. Thank you.

I would like to encourage the authors to include a statement of the new use of AI (GOBAI-O2) to map O2 in addition to other gap filling mapping techniques in the abstract or summary. This is the main take home message of the paper.

Sampling, integrating data of known quality, and understanding ocean O2 variability is difficult. I am curious about the potential use of AI to recognize similar S2D meso-scale (or larger scale) O2 distribution patterns? Are there repetitive temporal/spatial patterns and/or higher frequency in the observations and/or model output?

Hernan Garcia