

Manuscript changes

- Cortes-Morales et al., in prep. reference removed from reference list.
- Jousset et al. in prep reference, replaced in text by EU Copernicus Marine Service Product, 2024 reference, and removed from reference list.
- Updated so all figures have units in () not []. Modified figures 1, 2e, 3 and A1.
- Updated software reference of codes to v1.0.2
- Added competing interests statement.