

Answers to technical issues of manuscript egu-spere-2022-504

L85-86 and L98-99 and L102 “Selligri et al, in revision” This needs the year of publication instead of “in revision”.

Answer: the manuscript is not published yet and is in revision. All the information needed are written in the present manuscript so the reference Selligri et al., was removed.

L86 (Saint-Macary et al., egupshere-2022-499) Similar, needs the year of publication.

Answer: the year of publication was added. However, it is not published yet but available as a preprint.

L109 (in caption Fig. 1) Schlitzer and Reiner (2020) must be R. Schlitzer (2020) Also please correct citation in the reference list

Answer: modification done in the caption and in the reference list.

Table 1 Please delete psu for salinity. Salinity is dimensionless

Answer: psu was deleted.

L301-302 “As the net response of DMS to irradiance was more often positive (Figure 3, Table 5) this indicates that biological responses, such as stress production of DMS and inhibition of DMS consumption had greater losses to photo-oxidation.” This sentence is not correct. It says that biological responses had losses to photo-oxidation, which is impossible. Please correct.

Answer: sentence corrected to “As the net response of DMS to irradiance was more often positive (**Error! Reference source not found., Error! Reference source not found.**) this indicates that biological responses, such as stress production of DMS and inhibition of DMS consumption, were greater than losses to photo-oxidation.”

L406 Citation should be: Nature Microbiology, 2, 17009, doi:10.1038/nmicrobiol.2017.9, 2017.

Answer: modification done.

L431 and L468 Typo in the title

Answer: modification done.

L482 Please correct citation Schlitzer, Ocean Data View

Answer: modification done.

L483 Any update on in revision?

Answer: the manuscript is still in revision, so it was removed from this manuscript.