Unusual coccolithophore blooms in Scottish waters

Replies to Reviewers' Comments

Many thanks to both reviewers and the editor for your decision and final comments.

Below are our responses to the technical errors raised by Reviewer 1.

We have also been asked by one of the organisers of this special issue (Lorena Mendez, Mercator Ocean International) to make some changes to the Product Reference Table and to the format of the references cited in that table. The aim is to standardise these tables across all the papers. These changes are included in this latest revision.

Responses to Reviewer 1

Page 2, Line 36 – I would rephrase this sentence

We have changed this to:

"Colleagues of one of the authors (PT) recall no such event since 1983, when they remember sampling turquoise waters and coccolithophores in sea-lochs of the Firth of Clyde."

Page 4, Line 47 – Dissolved Organic Matter (DOM)

Done

Page 4, Line 55 – lacking space between 7 and km

Corrected

Page 5, Line 72 – originates in

Corrected

Page 6, Line 101 – are not

Corrected

Page 10, Line 152 – Emiliana huxleyi

Corrected

Page 15, Line 241 – E. huxleyi

Corrected

Page 15, Line 241:242 – Why is it unlikely in Scottish waters? Lacks of one short sentence explaining

that the pH decrease is negligible

We have added:

Changes in pH observed in seas around the UK (Findlay et al., 2022) are not large enough to explain recent variability in coccolithophore abundance in Scottish waters.

References

Findlay, H., Artoli, Y., Birchenough, S., Hartman, S., León, P., and Stiasny, M.: Climate change impacts on ocean acidification relevant to the UK and Ireland, MCCIP Science Review, 2022, https://doi.org/10.14465/2022.reu03.oac, 2022.