

Dear sir/madam,

Authors carefully considered and take into account all referees, Polina Shvedko and the topical editor comments. All changes have been done with track changes to keep highlighted every change.

Response to Polina Shvedko

- The affiliations countries have been added.
- Figure 4 has been modified to add the copyright.
- The citation of the DOI has been added in “Data availability” section.

Response to referee #1 :

All corrections suggestions have been validated and integrated.

Response to referee #2 :

More detailed discussion on textural and morphological characteristics of oil slicks has been added to more clarify our visual interpretation.

Thanks in advance to take into consideration our manuscript.

We remain,

Best regards