

Ocean Sci. Discuss., author comment AC1  
<https://doi.org/10.5194/os-2021-15-AC1>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## Reply on RC1

Fengying Ji et al.

---

Author comment on "Estimating the Absolute Salinity of Chinese offshore waters using nutrients and inorganic carbon data" by Fengying Ji et al., Ocean Sci. Discuss., <https://doi.org/10.5194/os-2021-15-AC1>, 2021

---

We deeply appreciate the time and effort that the referee have spent in reviewing our manuscript and the comments are really thoughtful and helpful.

We revised the manuscript following the comments exactly and attached a copy of the revised manuscripts.

COMMENT: Abstract: "Instead of silicate, CaCO<sub>3</sub> originating... " Say why silicate is mentioned here.

RESPONSE: Added "...silicate, the main composition anomaly in the open sea" to the abstract to show the relative composition anomaly difference between China offshore sea water and the open sea.

COMMENT: line 116: spell out GSW

RESPONSE: The text has been changed to "...Gibbs-SeaWater Oceanographic Toolbox... "

COMMENT: line 211: typo "heavily influenced"

RESPONSE: The text has been corrected as suggested

COMMENT:line 241: spell out PIC

RESPONSE: The text has been modified to "... particulate inorganic carbon"