

This is a well-written manuscript covering the cycling of cobalt in the Arctic Ocean. The cobalt measurements in the manuscript are high quality. The use of the Tagliabue's biogeochemical model with the addition of cobalt with the PISCES-v2 module provides insight into the likely sources of cobalt to the Arctic water column. I have not substantive comments on the manuscript.

Some minor comments -

line 269: the GitHub link doesn't contain any information

*Thank you, this has been fixed.*

lines 369 to 375: this information is also presented in table 1 so it is repetitive - I suggest it is removed from here and just refer to the Table.

*We have now shortened this section and combined it with the following section.*

line 1060: Saito et al. 2001 reference is cited twice.

*Thank you, this has now been fixed.*