



Corrigendum to **“Ocean color algorithm for the retrieval of the particle size distribution and carbon-based phytoplankton size classes using a two-component coated-sphere backscattering model” published in Ocean Sci., 19, 703–727, 2023**

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During submission a typographical error was made by the lead author. Incorrect limits of integration for phytoplankton are stated in two places in the original paper. On page 708, column 2, in Sect. 2.4, the first whole sentence after Eq. (5) should state 0.5 μm instead of 0.2 μm for the lower diameter limit of picophytoplankton; i.e., the sentence should read as follows:

“Equation (5) was used to compute size-partitioned phyto C in three size classes – picophytoplankton (0.5 to 2 μm in diameter), nanophytoplankton (2 to 20 μm in diameter), and microphytoplankton (20 to 50 μm in diameter) – as well as total phyto C as the sum of the three classes.”

In addition, in the caption of Fig. 4 on page 713, the last sentence should also state 0.5 μm instead of 0.2 μm for the

lower diameter limit of picophytoplankton; i.e. the sentence should read as follows:

“The diameter limits for the three size classes are picophytoplankton (0.5 to 2 μm), nanophytoplankton (2 to 20 μm), and microphytoplankton (20 to 50 μm).”

This size limit is correctly stated elsewhere in the paper; e.g., in Table 1 on page 707, see the value for $D_{\text{min},\phi}$.

This correction does not affect the scientific results and conclusions or any of the rest of the text and the figures in the paper and Supplement. The correction also does not affect the associated scientific code and data (see the Assets associated with the paper).