

HH, December 20th 2022

Dear Dr. Fleischer,

We refer to our response of Dec. 14th 2022.

Additionally, we now provide a clean version of the manuscript file as *.pdf.

We have merged the figures as follows:

Figures 3a-3j into one Figure 3 (a-j); Figures 5a and 5b into one Figure 5 (a, b); Figures 12a and 12b into one Figure 12 (a, b); Figures 14a and 14b into one Figure 14 (a, b).

We have merged the tables as follows:

Tables 3a and Tables 3b into one Table 3 (a, b).

Additionally, we noticed some slight mistakes and corrected them:

1. In Table 1: Changed one reference from “Grasshoff & Wenck (1983)” to “Grasshoff & Johannsen (1974)”. Did the same in 10. References
2. Lines 537-541: We corrected and rephrased the text

from

“The spring and winter DIN/Si ratios (Figure 10, Table A1 k) moved from higher (1973-1998) to more balanced values (1999-2019). In winter ($p = 0.018$) this change is significant. For the summer and autumn comparisons DIN/Si remained close to a ratio of 1.”

to

“The winter DIN/Si ratio (Figure 10, Table A1 k) changed significantly ($p = 0.018$) from higher (1984-1998) to more balanced values (1999-2019). For the summer and autumn comparisons DIN/Si remained close to a ratio of 1. The comparison for the spring seasons shows no significant change but is characterized by clearly lowered min and max DIN/SRP values in more recent years.”

3. We corrected some typos in section 6. Related datasets (e.g. line 726 from Asmus, R. et al., to Asmus et al..

Best wishes and a happy holiday season,

Johannes Rick