Supplementary Material

Exploring photophysiological variability in natural populations of *Trichodesmium* using multiexcitation wavelength Fast Repetition Rate fluorometry

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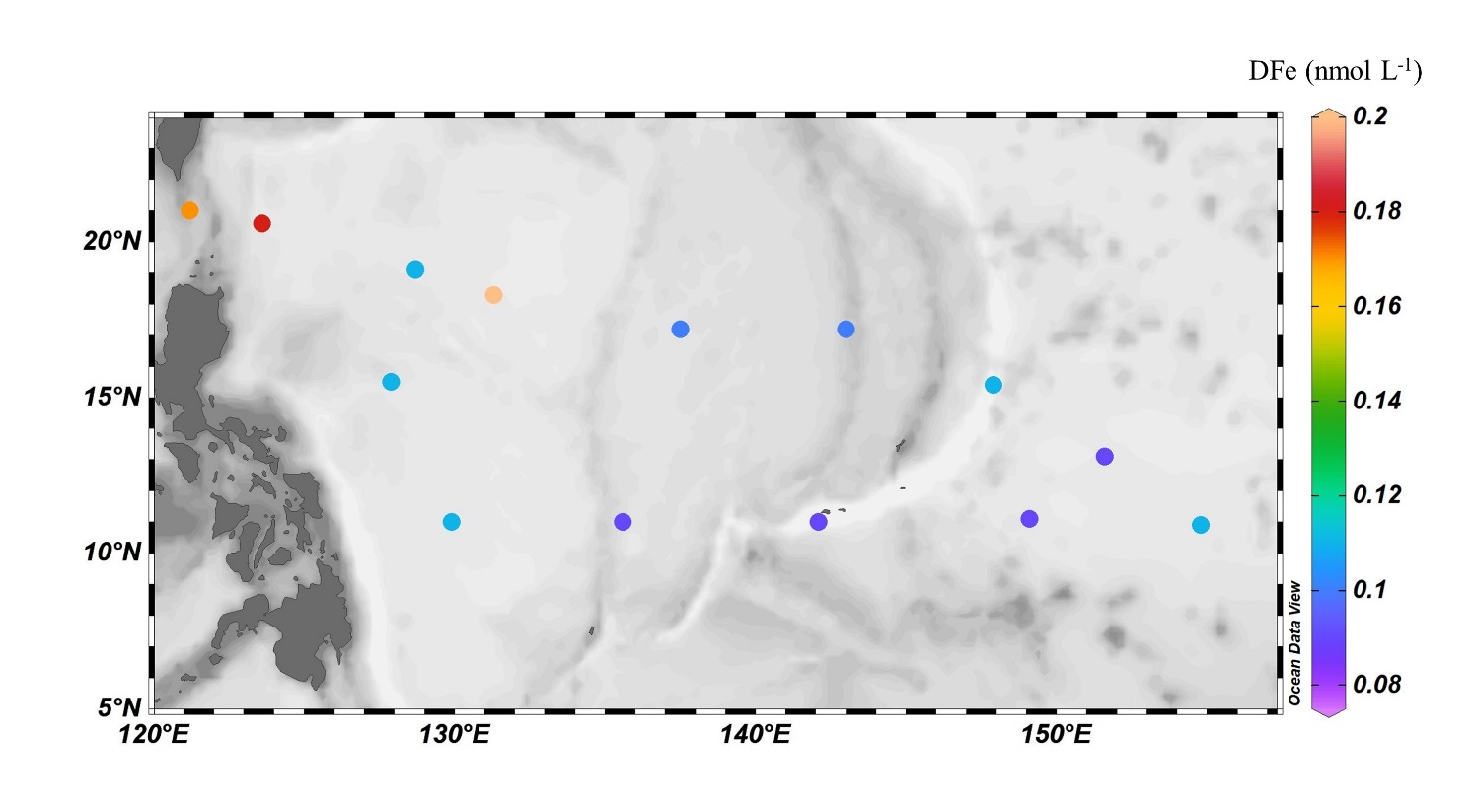
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# Supplementary Figures and Tables

图片包含 图示

描述已自动生成

**Supplementary Figure 1.** Microscopic photos of *Trichodesmium* (T*. thiebautii* ) in the Northwest Pacific (A, B) and North Indian Ocean in the vicinity of Sri Lanka (C, D)

 **Supplementary Figure 2.** Dissolved iron concentration (DFe) at surface water during GP09 cruise, and the data is from Browning et al (2021).

**Supplementary Table 1.** *Prochlorococcus* proportion of the picophytoplankton group (<3 µm) at sampling sites of Northwest Pacific (NWP) and Sri Lanka coast (SLC) waters measured by FlowCytomer

|  |  |  |
| --- | --- | --- |
| Region | Stn. | *Prochlorococcus* % |
|  | K4 | 95.6 |
|  | K5 | 95.5 |
|  | K7 | 95.2 |
|  | K8 | 96.4 |
| NWP | K10 | 97.1 |
|  | K12 | 98.2 |
|  | K13 | 98.5 |
|  | K14 | 97.9 |
|  | K14a | 94.5 |
|  | **Mean** | **96.8**  **(1.4)** |
|  | DT-01 | 72.2 |
| SLC | DM2-2 | 89.3 |
|  | SL1-2 | 90.2 |
|  | **Mean** | **83.9**  **(8.2)** |

## REFERENCE

Browning, T. J., Liu, X., Zhang, R., Wen, Z., Liu, J., Zhou, Y., et al. (2021). Nutrient co‐limitation in the subtropical Northwest Pacific. *Limnol. Oceanogr Lett.* https://doi.org/10.1002/lol2.10205