

Review of: Schuback, N. et al. Diurnal variation in the coupling of photosynthetic electron transport and carbon fixation in iron-limited phytoplankton in the NE subarctic Pacific. Second submission after major revisions.

General Comments:

The authors have adequately addressed the suggested revisions. Pending typographical revisions listed below, this MS is ready for publication.

Minor Revisions:

Introduction, Line 58. Change responds to responses.

Introduction, Line 70. This sentence is a bit confusing. I suggest '... pathways' divert absorbed energy away from the Calvin cycle, thus increasing 'the conversion factor..."

Introduction Line 111: Add a space after the word 'and'.

Methods, Line 234: Two concentrations of activity are stated, I assume $1.9425 \text{ GBq mL}^{-1}$ is incorrect.

Results, Line 327: Add a space between quanta and m.

Results, Section 3.1: Please state the mixed layer depth.

Results, Section 3.4: The use of % to explain magnitude is a bit confusing. Better to simply state that, for example, K_c/n_{PSII} ranged by a factor of 2.45...

Discussion, Line 587: Switch tau to τ

End of Review