

## ***Interactive comment on “The SeaSWIR dataset” by Els Knaeps et al.***

### **Anonymous Referee #2**

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Els et al presented an important dataset for the development, validation, and evaluation of algorithms for suspended particulate matter (SPM). In particular, this dataset covers >2 orders of SPM magnitude, along with the state-of-the-art measurement of water's reflectance. I strongly support its publication, sharing, with the broad community, after a few minor polishing of the manuscript. Specifically, 1. Page 1, Line 16, change “L-1” to “L<sup>-1</sup>” with “-1” in the superscript. It happens to many places. 2. P1, Line 24, insert space between “1.” and “Introduction”. 3. P1, Lines 29-32 “More information . . .” is a long sentence, please check grammar to make this sentence clear. 4. P2, Lines 1-4, it appears this sentence is out of sync of the previous sentences. 5. P2, line 17, insert space between “2.” and “Sites”. 6. Remove the extra punctuations in lines 19-21. 7. P5, line 15, downwelling radiance → downwelling irradiance. 8. P7, line 1, “Rw2 and Rw3”, the “and” should not be subscript. Please add a sentence to clarify Rw2 and Rw3. 9. P7, line 10, “threshold of 5000”. What is this 5000? 10. P8, line 35, “5

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characteristic ..” → “five characteristic ..”. 11. P11, Fig. 7. Please use two significant digits for the R2 values. Same for Fig. 9, Fig. 10. 12. P12, Fig. 8. Please use more appropriate title for the Y axis. 13. P12, Fig. 9, units, mg/l → mg/L.

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