

Interactive comment on “Diversity II water quality parameters for 300 lakes worldwide from ENVISAT (2002–2012)” by Daniel Odermatt et al.

Anonymous Referee #1

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General assessment This manuscript describes several ways/approaches to obtaining water parameters for the Diversity II water quality dataset. The authors used a large amount of satellite images to generate the dataset. It is of high value for application. Definitely, we can produce geophysical data from satellites. Of high concern is how the data accuracy is. It is very necessary to document the data accuracy with at least one index. Without the document, users cannot grantee the reliability of his/her analyzed results. Technically, the algorithms used are threshold dependent that often artificially determined. The threshold may vary with images (Liu et al. 2012). It is logical to briefly clarify the data accuracy with the threshold issue for readers to use the dataset.

Specific comments Page 2 Line 22: please delete the 'a' ahead of 'several'. Page 3 Line 14: please provide the full spelling of 'FR'. Page 3 line 29: change the order between

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2013 and 2012. Page 4 line 18: complemented? Page 5 line 22: pre-condition/s? Page 7 line 31: add 'the' ahead of 'WGS'.

[Liu et al. 2012. A physical explanation of the variation in threshold for delineating terrestrial water surfaces from multi-temporal images: effects of radiometric correction. International Journal of Remote Sensing, 33, 5862-5875]

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