

## ***Interactive comment on “Assessment of MERIS ocean color data products for European seas” by G. Zibordi et al.***

**G. Zibordi et al.**

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Reply to general comment

The recommendation by the reviewer is fully taken into account. The re-analysis of data indicates that 64 matchups are in common between the two reprocessing (Second and Third). Results do not exhibit significant differences for MEGS-8 but indicate better performance for MEGS-7 with respect to the equivalent analysis performed with all available matchups (e.g., the bias at 412 nm decreases to +41% from +55%). This improved performance is likely explained by the application to MEGS-7 products of the more stringent quality checks included in the MEGS-8 processing. Still, results confirm the systematic differences between the 2nd and 3rd MERIS data reprocessing indicating systematic overestimate of MEGS-7 Lwn data and underestimate of MEGS-

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8 Lwn. New tables will be included in the revised manuscript to illustrate the different performance of MEGS-7 and MEGS-8 using the same matchups.

Reply to specific comments

The suggested changes will all be applied.

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Interactive comment on Ocean Sci. Discuss., 10, 219, 2013.

**OSD**

10, C95–C96, 2013

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