

Interactive comment on “Chlorophyll increases off the coasts of Japan after the 2011 Tsunami using NASA/MODIS data” by E. Sava et al.

Anonymous Referee #4

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In this paper the authors discuss around an interesting phenomenon related to the Japanese tsunami of 2011 (chlorophyll blooming off). However, the manuscript has some weak points that require extensive review: 1. Other papers have already dealt with the same phenomenon (Sarangi, 2012; Siswanto et al., 2012) by using the same database (MODIS Ocean Color data). The authors should have at least compare their results with those discussed in the two previous articles. 2. The manuscript could have a greater scientific significance if the methodology and discussion was focused with a more valid approach on the different results obtained along the coast and in deep water. Are or not the differences statistically significant? If yes, what exactly is the role of the waves height? These differences are found in similar events? 3. The authors should explain in a less rough why MODIS Terra provides results significantly different

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from MODIS Aqua, otherwise show the results obtained with MODIS Terra is of little scientific significance.

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