

## ***Interactive comment on “Mixed layer variability and chlorophyll *a* biomass in the Bay of Bengal” by J. Narvekar and S. Prasanna Kumar***

**Anonymous Referee #1**

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Review of “Mixed layer variability and chlorophyll *a* biomass in the Bay of Bengal” by J. Narvekar and S. Prasanna Kumar

This paper is well organized and well written to be published after short addition perhaps in Appendix for the following reason.

In section 3.5, the authors stated that Rossby waves and the intrusion of the Arabian Sea origin-high salinity water regulate the mixed layer depth.

I would like the authors to refer some references regarding to the mixed layer depth regulation mechanism and add schematics in Appendix, in order for readers to get the point the authors address in this paper.

With some such detailed explanation of bio-physical mechanism this paper may gain

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the pivotal position in the Bay of Bengal observational studies for the past years.

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Interactive comment on Biogeosciences Discuss., 10, 16405, 2013.