

Interactive comment on “Floodwater Impact on Galveston Bay Phytoplankton Taxonomy, Pigment Composition and Photo-Physiological State following Hurricane Harvey from Field and Ocean Color (Sentinel-3A OLCI) Observations” by Bingqing Liu et al.

Anonymous Referee #2

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Summary The authors utilized field data collected after the passage of hurricane Harvey along with OLCI imagery to characterize phytoplankton compositional changes. They use existing methods to invert Rrs to IOPs and the estimating of phytoplankton pigments.

Overall Comments The paper is well written and organized. The methods are well documented and easy to follow.

C1

The errors associated with the phytoplankton pigment retrievals should be more clearly reported, similarly to those of the IOPs.

The paper could be improved by providing greater context surrounding the hurricane. It would be helpful to characterize what the phytoplankton pigments were before the hurricane and for some restoration period after the hurricane (how long did it take for conditions to return to more normal levels?)

Specific Comments Line 151: replace “repetitively” with “repeatedly” Line 281: please reword for clarity and flow

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-504>, 2019.

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