

Interactive comment on “Seasonal Carbonate Chemistry Variability in Marine Surface Waters of the Pacific Northwest” by Andrea J. Fassbender et al.

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We thank the Reviewer for their support of our manuscript and recognition of our efforts to clearly present the data, methods, and interpretation of results to the community.

In response to the Reviewer’s minor comments we have made the following changes:

Line 544 original: "General agreement between the mooring data and relatively poorly-sampled regions is therefore somewhat exceptional, as many regional carbonate system values fall within the $\pm 1\sigma$ envelope."

Line 544 modified: "The region-based seasonal cycles fall within the $\pm 1\sigma$ envelope of

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the mooring-based seasonal cycles for most carbonate system parameters, suggesting general agreement across data products."

Line 546 original: This finding underscores that seasonal variations outcompete the influence of vertical gradients associated with stratification that would work to create discrepancies between the seasonal cycle data products.

Line 546 modified: This finding underscores that seasonal variations outcompete the influence of vertical gradients in the upper water column associated with stratification, which would work to create discrepancies between the data products due to the unique depth ranges of data contributing to the mooring (~ 1 m) and regional (≤ 10 m) seasonal cycle assessments.

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