

Supplement to:

Seasonal variability of dissolved organic matter in the Columbia River: In situ sensors elucidate biogeochemical and molecular analyses

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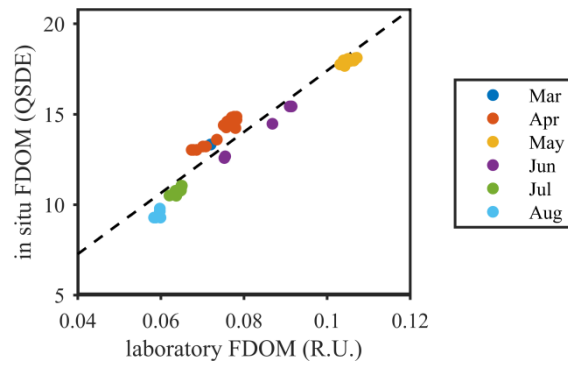
Tables

Supplement Table 1. Performance specification of in situ sensors used at SATURN-05 and SATURN-08 (provided by the manufacturer). Post-processing was done as specified in the main text. N.A.: Not available, QSDE: Quinine Sulfate Dihydrate equivalent.

Parameter	Sensor name	Manufacturer	Accuracy	Detection limit
Nitrate	SUNA	Satlantic	$\pm 2 \mu\text{mol L}^{-1}$	$0.5 \mu\text{mol L}^{-1}$
Temperature	WQM	SeaBird Coastal	$0.002 \text{ }^\circ\text{C}$	N.A.
Dissolved Oxygen	WQM	SeaBird Coastal	2%	N.A.
Chlorophyll a	WQM	SeaBird Coastal	0.2 %	N.A.
Turbidity	WQM	SeaBird Coastal	0.1%	N.A.
FDOM	ECO	WET Labs	0.09 QSDE	N.A.
Phosphate	HydroCycle-PO4 Phosphate	Seabird Coastal	$0.15 \mu\text{mol L}^{-1}$	$0.075 \mu\text{mol L}^{-1}$

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Figures



Supplement Figure 1. Comparison between in situ FDOM and FDOM determined by spectrofluorometry measurements of filtered samples ($R^2 = 0.92$).