

Supplementary Materials

TABLE S1. Range, mean, standard deviation (SD), and coefficient of variation (CV) of absorption coefficients (m^{-1}) for colored dissolved organic matter (a_{CDOM}) (n = 6), particulate material (a_p), non-algal particles (a_{NAP}), phytoplankton (a_{phy}), and specific phytoplankton absorption (a_{phy}^* , $m^2 mg^{-1}$) (n = 19) at 2 m depth.

Water Constituents	Wavelength (nm)	Mean	Min	Max	SD	CV
a_{CDOM}	412	0.21	0.04	0.47	0.15	0.73
	440	0.15	0.03	0.36	0.12	0.80
	443	0.15	0.03	0.36	0.12	0.80
	469	0.11	0.02	0.28	0.10	0.87
	488	0.09	0.02	0.25	0.08	0.87
	531	0.05	0.01	0.15	0.05	1.13
	547	0.04	0.01	0.11	0.04	1.04
	555	0.03	0.00	0.10	0.03	1.15
a_p	412	0.09	0.04	0.17	0.04	0.40
	440	0.09	0.04	0.17	0.03	0.39
	443	0.09	0.04	0.17	0.03	0.39
	469	0.07	0.03	0.14	0.03	0.38
	488	0.06	0.03	0.11	0.02	0.38
	531	0.03	0.01	0.05	0.01	0.35
	547	0.02	0.01	0.04	0.01	0.34
	555	0.02	0.01	0.03	0.01	0.32
a_{NAP}	412	0.04	0.02	0.13	0.02	0.57
	440	0.03	0.02	0.09	0.02	0.52
	443	0.03	0.02	0.09	0.02	0.52
	469	0.03	0.01	0.07	0.01	0.47
	488	0.02	0.01	0.05	0.01	0.43
	531	0.02	0.01	0.04	0.01	0.37
	547	0.01	0.01	0.03	0.00	0.36
	555	0.01	0.01	0.03	0.00	0.36
a_{phy}	412	0.05	0.01	0.12	0.03	0.56
	440	0.06	0.01	0.13	0.03	0.52
	443	0.06	0.01	0.13	0.03	0.52
	469	0.05	0.01	0.11	0.03	0.52
	488	0.04	0.01	0.09	0.02	0.53
	531	0.02	0.00	0.03	0.01	0.60
	547	0.01	0.00	0.03	0.01	0.62
	555	0.01	0.00	0.02	0.01	0.62
a_{phy}^*	412	0.04	0.01	0.07	0.01	0.33
	440	0.05	0.01	0.08	0.01	0.30
	443	0.04	0.01	0.08	0.01	0.31
	469	0.04	0.01	0.07	0.01	0.31
	488	0.03	0.01	0.05	0.01	0.32
	531	0.01	0.00	0.02	0.00	0.34
	547	0.01	0.00	0.01	0.00	0.36
	555	0.01	0.00	0.01	0.00	0.38

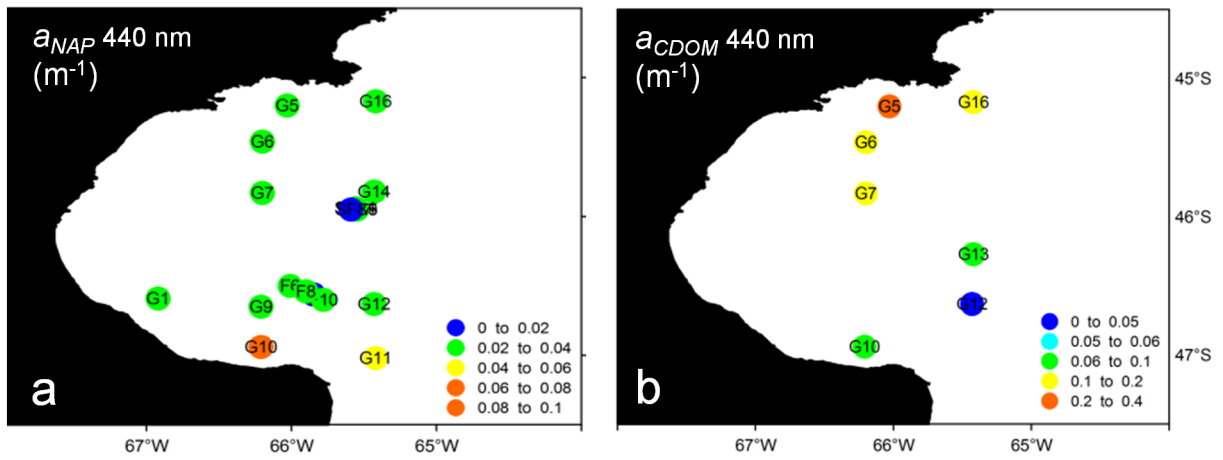


FIGURE S1. Spatial distribution at the surface of in situ (a) a_{NAP} (440 nm) and (b) a_{CDOM} (440 nm) in the study period.