

WM/N	Depth (m)		Θ ($^{\circ}\text{C}$)		S		σ_{θ} (kg m^{-3})		$a_{\text{CDOM}}(350)$ (m^{-1})		$a_{\text{CDOM}}(443)$ (m^{-1})		$S_{275-295}$ (μm^{-1})		$S_{300-600}$ (μm^{-1})		$a_{\text{CDOM}}^*(350)$ ($\text{m}^2 \text{g}^{-1}$)		SUVA_{254} ($\text{m}^2 \text{gC}^{-1}$)	
AREX 2013																				
AW	31 ± 23		4.94 ± 1.3		35.01 ± 0.06		27.68 ± 0.15		0.28 ± 0.07		0.05 ± 0.02		15.36 ± 3.40		18.25 ± 1.78		0.35 ± 0.12		1.95 ± 0.60	
$n = 43$	0	80	2.15	7.48	34.82	35.10	27.34	27.95	0.19	0.55	0.03	0.14	10.53	25.38	13.64	20.79	0.15	0.60	1.01	3.16
PSW	23 ± 25		-0.86 ± 0.7		33.62 ± 1.00		27.04 ± 0.84		0.28 ± 0.03		0.05 ± 0.00		16.02 ± 2.35		17.69 ± 2.15		0.24 ± 0.02		1.31 ± 0.28	
$n = 3$	0	50	-1.35	-0.02	32.50	34.42	26.09	27.70	0.24	0.30	0.05	0.06	14.26	18.69	15.21	19.07	0.22	0.25	1.00	1.55
PSW _w	4 ± 9		4.87 ± 1.6		34.21 ± 0.66		27.05 ± 0.45		0.32 ± 0.16		0.07 ± 0.07		15.37 ± 3.16		17.55 ± 3.58		0.29 ± 0.11		1.64 ± 0.72	
$n = 33$	0	30	0.15	7.30	32.21	34.89	25.83	27.66	0.15	0.90	0.01	0.32	11.61	28.32	9.95	30.06	0.15	0.58	0.95	3.80
AREX 2014																				
AW	39 ± 39		5.57 ± 1.2		35.03 ± 0.05		27.62 ± 0.14		0.14 ± 0.06		0.02 ± 0.02		14.66 ± 2.19		20.98 ± 5.42		0.16 ± 0.08		1.79 ± 1.33	
$n = 174$	0	200	2.05	7.45	34.86	35.09	27.36	27.94	0.04	0.34	0.00	0.09	11.20	24.52	10.83	42.26	0.05	0.59	0.64	9.23
PSW	15 ± 12		-0.62 ± 0.4		32.59 ± 1.33		26.19 ± 1.09		0.11 ± 0.04		0.01 ± 0.01		12.20 ± 0.40		22.08 ± 4.91		0.15 ± 0.05		1.96 ± 0.63	
$n = 4$	5	25	-0.91	-0.01	31.29	33.88	25.14	27.25	0.08	0.16	0.01	0.02	11.80	12.71	17.03	28.35	0.09	0.20	1.26	2.76
PSW _w	18 ± 15		2.82 ± 1.9		34.14 ± 0.73		27.19 ± 0.54		0.14 ± 0.05		0.02 ± 0.01		13.89 ± 2.42		20.03 ± 4.72		0.17 ± 0.07		1.62 ± 0.78	
$n = 28$	5	50	0.34	5.83	32.41	34.88	25.94	27.70	0.05	0.29	0.00	0.07	10.51	21.40	13.18	33.79	0.05	0.38	0.76	3.81
AAW	80 ± 24		1.36 ± 0.5		34.86 ± 0.05		27.91 ± 0.05		0.15 ± 0.05		0.02 ± 0.01		16.56 ± 5.58		20.32 ± 0.46		0.15 ± 0.08		1.44 ± 0.81	
$n = 4$	50	100	0.59	1.89	34.83	34.94	27.86	27.97	0.10	0.20	0.01	0.02	12.45	24.28	19.77	20.87	0.08	0.26	0.67	2.31
IW/DW	1627 ± 979		-0.66 ± 0.3		34.94 ± 0.04		28.09 ± 0.02		0.17 ± 0.08		0.03 ± 0.03		16.46 ± 5.85		17.83 ± 4.58		0.17 ± 0.09		1.07 ± 0.26	
$n = 11$	301	2823	-0.86	-0.07	34.91	35.01	28.08	28.15	0.06	0.32	0.00	0.10	10.66	26.04	11.13	28.35	0.05	0.37	0.56	1.38
AREX 2015																				
AW	61 ± 65		4.89 ± 1.5		35.00 ± 0.06		27.68 ± 0.15		0.18 ± 0.04		0.03 ± 0.01		19.42 ± 2.55		19.77 ± 2.15		0.21 ± 0.05		1.41 ± 0.24	
$n = 156$	5	470	2.23	8.15	34.78	35.09	27.26	27.97	0.11	0.34	0.01	0.10	10.94	25.51	13.08	25.48	0.14	0.39	0.86	2.19
PSW	32 ± 11		-0.58 ± 0.6		34.14 ± 0.22		27.44 ± 0.16		0.26 ± 0.09		0.05 ± 0.03		18.34 ± 3.93		19.35 ± 3.12		0.32 ± 0.11		1.99 ± 0.30	
$n = 6$	25	50	-1.38	-0.01	33.93	34.45	27.28	27.69	0.20	0.42	0.02	0.12	12.28	22.19	13.92	22.32	0.23	0.50	1.65	2.54
PSW _w	17 ± 15		4.13 ± 1.9		34.33 ± 0.61		27.22 ± 0.44		0.20 ± 0.05		0.04 ± 0.02		18.69 ± 3.15		19.13 ± 2.70		0.25 ± 0.06		1.54 ± 0.28	
$n = 73$	1	50	0.37	8.14	32.17	34.89	25.80	27.70	0.12	0.34	0.01	0.09	11.51	24.96	13.56	24.87	0.15	0.40	0.96	2.63
AAW	76 ± 76		1.69 ± 0.2		34.72 ± 0.09		27.77 ± 0.08		0.25 ± 0.06		0.05 ± 0.02		17.72 ± 2.81		18.28 ± 2.42		0.28 ± 0.07		1.64 ± 0.38	
$n = 9$	5	257	1.49	1.96	34.64	34.88	27.71	27.91	0.15	0.33	0.02	0.08	13.90	23.42	15.06	23.40	0.19	0.37	1.18	2.26
IW/DW	2175 ± 604		-0.70 ± 0.1		34.92 ± 0.01		28.08 ± 0.01		0.14 ± 0.05		0.02 ± 0.01		21.22 ± 3.58		21.32 ± 2.71		0.19 ± 0.07		1.49 ± 0.46	
$n = 19$	794	2872	-0.79	-0.15	34.91	34.93	28.06	28.10	0.09	0.27	0.01	0.06	13.32	27.90	15.57	26.59	0.12	0.44	1.03	2.46