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Tables

bib ref	source	n	date_min	date_max	min_doc	max_doc	min a350	max_a350
agro	Continuous	168	2009-05-14	2014-08-29	175.00	1958.33	2.30	43.76
Aiken et al. (2005)	Discrete	894			233.33	44600.00	5.09	1789.88
Anderson and Stedmon (2007)	Continuous	38	2002-06-01	2003-06-01	335.00	7333.33	1.51	30.91
Asmala et al. (2014)	Continuous	140	2010-08-03	2011-10-19	222.00	2304.00	2.12	81.33
Bouillon et al. (2014)	Discrete	30	2011-03-20	2012-11-24	63.33	591.67	5.30	35.00
Breton, Vallières, and Laurion (2009)	Discrete	48			108.33	2166.67	2.33	108.05
Del Castillo et al. (1999)	Discrete	20	1995-09-01	1996-10-01	72.90	276.10	0.04	3.86
Conan et al. (2007)	Continuous	248	2002-08-04	2002-08-26	125.40	236.05	0.63	1.34
Del Castillo et al. (2000)	Discrete	13			89.10	305.00	0.19	1.53
Engel et al. (2015)	Discrete	247	2012-10-02	2012-10-19	78.60	184.60	0.02	0.73
finish_rivers	Discrete	2823	1991-03-20	2013-01-23	94.00	3995.00	1.39	51.39
Forsström et al. (2015)	Discrete	19			125.00	1350.00	0.43	38.42
Gonçalves-Araujo et al. (2015)	Discrete	38	2013-09-01	2013-09-06	117.00	732.00	1.12	15.12
Gonnelli et al. (2016)	Discrete	13			60.40	68.90	0.08	0.22
Griffin et al. (2011)	Discrete	18	2008-07-14	2009-07-25	178.33	793.33	3.38	15.02
Guéguen et al. (2011)	Discrete	8	2007-07-27	2007-07-27	190.00	1224.00	1.60	19.62
Helms et al. (2008)	Discrete	33	2004-05-01	2005-05-01	162.00	1279.00	0.31	40.66
Hernes et al. (2008)	Discrete	29	2006-01-10	2006-12-05	172.50	593.33	2.58	26.25
kattegat	Continuous	497	2006-08-21	2007-09-19	66.00	498.00	0.32	3.37
Kellerman et al. (2015)	Discrete	113	2010-09-26	2010-11-25	200.00	3325.00	0.45	45.58
Lambert et al. (2015)	Discrete	573	2010-05-02	2014-11-17	108.33	5650.00	1.00	249.40
Loken2016	Discrete	208	2012-04-23	2013-09-18	164.25	3130.58	0.88	105.17
lter5653	Discrete	30	1998-05-13	1999-08-15	175.83	1024.17	0.10	21.85
lter5689	Discrete	134	2001-04-30	2013-11-08	19.17	2573.75	0.02	82.70
Markager, Stedmon, and Søndergaard (2011)	Continuous	551	2001-08-28	2002-09-24	65.98	1678.25	0.75	44.26
Massicotte and Frenette (2011)	Continuous	59	2006-08-09	2006-08-15	152.03	620.58	1.17	21.00
Nelson and Siegel (2002)	Continuous	2333			35.00	91.90	0.01	0.52
Norman et al. (2011)	Continuous	58	2006-09-08	2006-10-13	131.97	947.22	0.23	3.74
Oestreich et al. (2016)	Discrete	29			60.67	581.80	0.75	12.74
Osburn et al. (2007)	Continuous	187	2000-06-21	2007-05-10	40.50	425.20	0.06	8.13
Osburn, Retamal, and Vincent (2009)	Discrete	27			70.00	576.00	0.32	9.67
Osburn and Stedmon (2011)	Discrete	20			1116.67	6683.33	1.81	79.30
Osburn et al. (2016)	Discrete	130			59.00	1433.00	0.10	33.32
The Polaris project	Discrete	116	2011-06-06	2012-07-21	152.50	2005.83	1.60	82.50
Retamal et al. (2007)	Discrete	22	2002-07-22	2004-06-17	73.33	475.00	0.18	10.48
Sickman et al. (2010)	Discrete	72	2003-04-21	2004-03-23	117.09	7035.60	1.14	217.08
Stedmon et al. (2007)	Continuous	15			271.96	664.88	3.01	22.44
Stedmon et al. (2011)	Continuous	78	2004-03-19	2005-10-10	216.67	1258.33	1.91	39.33
Stedmon, Granskog, and Dodd (2015)	Continuous	189	2012-09-03	2012-09-11	47.70	91.08	0.08	0.50
tanana	Discrete	59	2004-07-08	2006-05-23	75.00	3166.67	0.06	100.48
Wagner et al. (2015)	Discrete	60	2010-07-01	2011-06-01	275.00	1700.00	1.61	55.26
Werdell et al. (2003)	Discrete	899	2009-08-17	2011-07-20	40.63	970.70	0.03	17.78
Zhang et al. (2005)	Discrete	16			729.17	1682.50	2.63	8.57

Table 1: Summary of data used in this study. *Discrete* means that the absorption data was reported at discrete wavelengths whereas *Continuous* means that complete absorption spectra were available.

Wavelength (nm)	Intercept	Slope	R^2
253.00	-1.16	0.27	0.98
254.00	-1.15	0.28	0.98
280.00	-0.88	0.37	0.99
300.00	-0.46	0.48	0.99
320.00	-0.20	0.63	1.00
325.00	-0.15	0.68	1.00
330.00	-0.11	0.73	1.00
340.00	-0.04	0.85	1.00
355.00	0.01	1.08	1.00
375.00	0.11	1.51	1.00
380.00	0.13	1.65	1.00
400.00	0.21	2.30	0.99
412.00	0.26	2.77	0.98
420.00	0.31	3.13	0.97
440.00	0.45	4.16	0.95
443.00	0.46	4.33	0.94

Table 2: Coefficients of the linear regressions between absorption coefficents at 350 nm and other wavelengths. Each regression includes a total of 2190 observations. All regression have p-value < 0.00001.

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