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Supplement of

Decrease in ^{230}Th in the Amundsen Basin since 2007: far-field effect of increased scavenging on the shelf?

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Dissolved

Year	Cruise	Station	Lat.	Long.	Depth [m]	230Thd [fg/kg]	error	232Thd [pmol/kg]	error
2015	PS94	81	88.990	61.063	50	3.11	0.16	114.20	1.61
2015	PS94	81	88.990	61.063	100	4.13	0.15	50.82	0.42
2015	PS94	81	88.990	61.063	200	3.25	0.16	73.37	1.13
2015	PS94	81	88.990	61.063	300	4.42	0.23	53.05	1.42
2015	PS94	81	88.990	61.063	500	5.19	0.20	46.53	0.77
2015	PS94	81	88.990	61.063	1000	3.61	0.15	31.50	0.35
2015	PS94	81	88.990	61.063	1500	5.14	0.31	31.32	1.18
2015	PS94	81	88.990	61.063	2000	5.55	0.18	30.66	0.37
2015	PS94	81	88.990	61.063	2000	5.78	0.19	54.08	0.69
2015	PS94	81	88.990	61.063	2500	7.10	0.23	31.09	0.50
2015	PS94	81	88.990	61.063	2500	6.96	0.21	34.75	0.51
2015	PS94	81	88.990	61.063	3000	7.64	0.28	31.63	0.68
2015	PS94	81	88.990	61.063	3500	10.13	0.26	47.46	0.70
2015	PS94	81	88.990	61.063	4000	10.34	0.46	29.65	1.00
2015	PS94	81	88.990	61.063	4335	10.90	0.21	43.95	0.38
2015	PS94	117	84.560	115.996	10	0.91	0.13	99.23	1.63
2015	PS94	117	84.560	115.996	50	2.27	0.15	131.72	2.17
2015	PS94	117	84.560	115.996	100	2.60	0.15	63.28	0.96
2015	PS94	117	84.560	115.996	200	3.10	0.16	53.56	0.79
2015	PS94	117	84.560	115.996	300	4.10	0.17	67.93	0.91
2015	PS94	117	84.560	115.996	500	5.42	0.20	65.40	1.01
2015	PS94	117	84.560	115.996	1000	4.56	0.17	34.96	0.43
2015	PS94	117	84.560	115.996	1500	6.31	0.23	46.72	0.86
2015	PS94	117	84.560	115.996	2000	8.24	0.25	56.72	0.95
2015	PS94	117	84.560	115.996	2500	8.90	0.27	33.44	0.59
2015	PS94	117	84.560	115.996	3000	8.81	0.26	21.81	0.36
2015	PS94	117	84.560	115.996	3500	8.43	0.25	21.69	0.36
2015	PS94	117	84.560	115.996	4000	10.03	0.26	28.58	0.41
2015	PS94	117	84.560	115.996	4303	10.44	0.28	45.41	0.72
2015	PS94	117	84.560	115.996	4353	10.07	0.25	34.80	0.46
2015	PS94	125	85.098	139.625	10	2.78	0.18	207.85	4.63
2015	PS94	125	85.098	139.625	100	2.00	0.16	70.92	1.54
2015	PS94	125	85.098	139.625	200	2.35	0.16	57.45	1.11
2015	PS94	125	85.098	139.625	300	2.84	0.17	51.27	0.97
2015	PS94	125	85.098	139.625	500	2.55	0.16	41.26	0.83
2015	PS94	125	85.098	139.625	1000	2.33	0.14	26.57	0.25
2015	PS94	125	85.098	139.625	2000	6.80	0.22	29.58	0.48
2015	PS94	125	85.098	139.625	2500	6.40	0.37	28.75	1.15
2015	PS94	125	85.098	139.625	3000	6.15	0.21	26.62	0.41
2015	PS94	125	85.098	139.625	3500	7.21	0.18	28.16	0.25
2015	PS94	125	85.098	139.625	3788.1	8.21	0.23	25.15	0.36
2015	PS94	125	85.098	139.625	3838	8.23	0.17	24.61	0.19
2015	PS94	134	84.844	159.035	300	3.90	0.17	63.31	0.96
2015	PS94	134	84.844	159.035	1000	9.79	0.27	40.54	0.63
2015	PS94	134	84.844	159.035	2000	17.74	0.32	46.41	0.53
2015	PS94	134	84.844	159.035	2500	16.89	0.47	31.30	0.66
2015	PS94	134	84.844	159.035	3000	20.64	0.61	25.60	0.62
2015	PS94	134	84.844	159.035	3000	21.18	0.49	37.15	0.67

Dissolved (continued)

Year	Cruise	Station	Lat.	Long.	Depth [m]	230Thd [fg/kg]	error	232Thd [pmol/kg]	error
2015	PS94	134	84.844	159.035	3040	21.50	0.54	0.28	0.01
2015	PS94	134	84.844	159.035	3090	20.98	0.49	0.36	0.01
2015	PS94	96	88.338	124.328	10	2.60	0.14	239.34	2.69
2015	PS94	96	88.338	124.328	50	2.14	0.15	114.19	1.69
2015	PS94	96	88.338	124.328	100	2.54	0.15	77.69	1.05
2015	PS94	96	88.338	124.328	200	4.61	0.18	62.30	0.92
2015	PS94	96	88.338	124.328	300	6.91	0.17	117.90	0.97
2015	PS94	96	88.338	124.328	1000	14.12	0.32	161.57	2.36
2015	PS94	96	88.338	124.328	1500	16.32	0.24	34.55	0.26
2015	PS94	96	88.338	124.328	2000	15.41	0.31	155.79	1.96
2015	PS94	96	88.338	124.328	2500	16.14	0.25	21.40	0.19
2015	PS94	96	88.338	124.328	3000	22.89	0.46	23.77	0.36
2015	PS94	96	88.338	124.328	3250	23.71	0.42	18.45	0.24
2015	PS94	96	88.338	124.328	3495	19.39	0.40	36.39	0.54
2015	PS94	96	88.338	124.328	3545	25.29	0.66	56.75	0.74
2015	PS94	101	87.499	179.934	23	0.18	0.13	132.05	2.17
2015	PS94	101	87.499	179.934	55	1.50	0.17	184.89	3.05
2015	PS94	101	87.499	179.934	99	0.57	0.14	81.02	1.23
2015	PS94	101	87.499	179.934	174	4.04	0.27	66.32	0.98
2015	PS94	101	87.499	179.934	259	4.27	0.19	67.70	0.90
2015	PS94	101	87.499	179.934	499	5.61	0.20	53.30	0.83
2015	PS94	101	87.499	179.934	999	11.79	0.31	39.74	0.49
2015	PS94	101	87.499	179.934	1399	17.24	0.35	17.23	0.32
2015	PS94	101	87.499	179.934	1899	23.16	0.46	31.99	0.54
2015	PS94	101	87.499	179.934	2399	19.96	0.43	11.80	0.21
2015	PS94	101	87.499	179.934	2899	25.60	0.47	143.24	2.39
2015	PS94	101	87.499	179.934	3399	28.47	0.63	25.17	0.41
2015	PS94	101	87.499	179.934	3881.4	32.53	0.69	28.93	0.42
2007	PS70	309	87.046	104.787	50	5.69	0.00	130.34	0.38
2007	PS70	309	87.046	104.787	200	6.69	0.00	56.09	0.22
2007	PS70	309	87.046	104.787	1000	8.52	0.01	32.36	0.09
2007	PS70	309	87.046	104.787	2000	11.38	0.00	32.39	0.11
2007	PS70	309	87.046	104.787	2000	11.53	0.01	33.07	0.10
2007	PS70	309	87.046	104.787	2750	10.57	0.01	21.69	0.07
2007	PS70	309	87.046	104.787	4500	14.57	0.01	41.14	0.12
2007	PS70	328	87.830	170.568	50	5.64	0.01	246.29	0.86
2007	PS70	328	87.830	170.568	300	10.36	0.00	57.57	0.19
2007	PS70	328	87.830	170.568	1000	15.92	0.01	38.79	0.12
2007	PS70	328	87.830	170.568	1000	15.98	0.01	39.22	0.11
2007	PS70	328	87.830	170.568	3000	26.61	0.01	22.15	0.08
2007	PS70	328	87.830	170.568	3750	23.00	0.01	27.30	0.07
2007	PS70	400	77.368	123.418	50	3.89	0.00	30.65	0.15
2007	PS70	400	77.368	123.418	100	4.59	0.01	39.42	0.16
2007	PS70	400	77.368	123.418	300	5.42	0.00	39.91	0.15
2007	PS70	400	77.368	123.418	500	5.58	0.00	29.10	0.11
2007	PS70	400	77.368	123.418	1150	5.38	0.00	27.24	0.20

Particulate

Year	Cruise	Station	Depth [m]	234Thp % from total 234Th
2015	PS94	81	50	1.93
2015	PS94	81	100	2.76
2015	PS94	81	500	1.49
2015	PS94	81	1000	2.66
2015	PS94	81	1500	4.12
2015	PS94	81	2000	1.36
2015	PS94	81	2500	3.29
2015	PS94	81	3000	3.02
2015	PS94	81	3500	3.46
2015	PS94	81	4000	5.89
2015	PS94	81	4165	4.51
2015	PS94	117	50	12.74
2015	PS94	117	300	5.17
2015	PS94	117	500	3.88
2015	PS94	117	1000	3.12
2015	PS94	117	1500	3.44
2015	PS94	117	2000	2.65
2015	PS94	117	2500	3.22
2015	PS94	117	3000	4.89
2015	PS94	117	3500	4.37
2015	PS94	117	3750	2.85
2015	PS94	117	4140	3.62
2015	PS94	125	50	10.57
2015	PS94	125	100	6.25
2015	PS94	125	300	7.23
2015	PS94	125	500	2.58
2015	PS94	125	1500	6.42
2015	PS94	125	2000	4.36
2015	PS94	125	2500	6.29
2015	PS94	125	3000	5.84
2015	PS94	125	3500	5.51
2015	PS94	125	3750	6.83
2015	PS94	125	3765	3.36