

2017-001 Chlorophyll duplicates - page 1

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Duplicate samples from a single Niskin bottle

Event Number	Sample Number	Station	Pressure dbar	Chlorophyll:Extracted: Bottle			Phaeo-Pigment:Extracted: Bottle		
				Chl 1 mg/m ³	Chl 2 mg/m ³	CV %	Phaeo 1 mg/m ³	Phaeo 2 mg/m ³	CV %
7	5007	JF1 Loop		0.327	0.350	4.80	0.397	0.445	8.06
10	5010	JF2 Loop		0.631	0.615	1.77	0.323	0.272	12.30
13	5013	JF3 Loop		0.862	0.798	5.47	0.273	0.250	6.06
15	5015	JF4 Loop		1.357	1.216	7.77	0.025	0.310	120.62
16	106	P3	5.9	0.571	0.570	0.16	0.232	0.223	2.92
22	66	P4	60.8	0.138	0.135	1.99	0.196	0.207	4.02
22	67	P4	50.7	0.246	0.260	3.94	0.192	0.149	17.84
22	68	P4	40.4	0.527	0.467	8.54	0.207	0.166	15.61
22	69	P4	30.4	0.591	0.623	3.66	0.184	0.177	3.12
22	72	P4	14.8	0.733	0.665	6.83	0.190	0.196	2.30
22	74	P4	5.9	0.692	0.776	8.14	0.191	0.224	11.30
22	5022	P4 Loop		0.744	0.742	0.24	0.229	0.186	14.59
26	5026	Loop 26		0.720	0.783	5.92	0.301	0.351	10.79
27	5027	Loop 27		0.348	0.365	3.34	0.155	0.150	2.56
29	5029	Loop 29		0.451	0.449	0.33	0.114	0.128	8.04
31	5031	Loop 31		0.498	0.496	0.33	0.150	0.142	3.63
33	137	P20	59.9	0.477	0.494	2.46	0.146	0.138	3.83
33	138	P20	50.8	0.488	0.504	2.24	0.178	0.136	19.12
33	139	P20	40.5	0.470	0.490	2.90	0.130	0.154	12.10
33	140	P20	31.1	0.494	0.490	0.55	0.138	0.141	1.09
33	143	P20	15.5	0.484	0.488	0.62	0.169	0.147	9.46
33	145	P20	4.9	0.498	0.493	0.72	0.125	0.140	8.09
33	5033	P20 Loop		0.475	0.487	1.79	0.135	0.142	3.49
37	194	P21	5.1	0.502	0.504	0.32	0.154	0.148	2.67
38	197	P22	4.9	0.440	0.410	5.11	0.171	0.169	0.69
39	5039	Loop 39		0.393	0.346	8.85	0.149	0.175	11.22
40	221	P23	5.7	0.369	0.373	0.82	0.127	0.138	5.57
42	222	P24	5.3	0.403	0.401	0.38	0.144	0.142	0.98
43	223	P25	5.3	0.314	0.318	0.86	0.113	0.103	6.48
51	319	P26	60.6	0.259	0.252	2.00	0.106	0.110	2.18
51	320	P26	49.8	0.241	0.255	3.98	0.118	0.131	7.57
51	321	P26	40.1	0.263	0.260	0.88	0.105	0.091	9.47
51	322	P26	29.8	0.262	0.257	1.48	0.098	0.098	0.34
51	325	P26	15.1	0.279	0.275	1.01	0.106	0.097	6.73

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Duplicate samples from a single Niskin bottle

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51	327	P26	4.7	0.277	0.277	0.17	0.102	0.097	3.31
51	5051	P26 Loop		0.274	0.277	0.89	0.130	0.134	2.01
55	5055	Loop 55		0.387	0.364	4.41	0.187	0.199	4.05
56	5056	Loop 56		0.301	0.319	4.03	0.155	0.111	23.48
58	5058	Loop 58		0.370	0.360	1.84	0.133	0.150	8.60
59	333	P19	5.7	0.476	0.469	0.99	0.138	0.143	2.62
62	336	P18	5.0	0.763	0.814	4.51	0.190	0.188	0.86
63	337	P17	4.9	0.742	0.649	9.38	0.164	0.138	12.18
64	344	P16	60.9	0.599	0.622	2.72	0.156	0.149	3.11
64	345	P16	48.8	0.610	0.603	0.77	0.175	0.167	3.20
64	346	P16	40.2	0.651	0.649	0.26	0.171	0.168	1.12
64	347	P16	30.7	0.650	0.646	0.43	0.166	0.171	1.94
64	350	P16	15.4	0.699	0.716	1.62	0.188	0.178	3.84
64	352	P16	5.3	0.714	0.715	0.04	0.183	0.180	1.07
64	5064	P16 Loop		0.709	0.714	0.49	0.187	0.182	1.86
72	426	P15	5.4	0.661	0.652	0.91	0.194	0.185	3.43
73	427	P14	5.5	0.466	0.442	3.75	0.162	0.153	4.20
74	428	P13	5.7	0.389	0.413	4.29	0.156	0.141	7.21
75	435	P12	61.0	0.492	0.480	1.77	0.166	0.151	6.60
75	436	P12	50.5	0.489	0.487	0.34	0.156	0.159	1.27
75	437	P12	40.1	0.527	0.530	0.49	0.162	0.164	0.81
75	438	P12	30.8	0.637	0.756	12.07	0.177	0.185	3.10
75	441	P12	14.8	0.581	0.582	0.02	0.151	0.156	2.27
75	443	P12	5.0	0.582	0.554	3.53	0.171	0.163	3.33
75	5075	P12 Loop		0.661	0.669	0.91	0.188	0.176	4.99
82	484	P11	5.2	0.535	0.507	3.88	0.152	0.143	4.41
84	532	P10	5.5	0.470	0.477	1.10	0.187	0.189	0.63
85	533	P9	5.6	0.489	0.488	0.16	0.161	0.164	1.42
90	548	P8	60.6	0.388	0.347	7.80	0.188	0.299	32.01
90	549	P8	51.1	0.436	0.407	4.95	0.201	0.189	4.19
90	550	P8	40.8	0.454	0.466	1.95	0.183	0.189	2.60
90	551	P8	30.4	0.416	0.427	1.89	0.199	0.175	8.81
90	554	P8	15.1	0.551	0.493	7.83	0.203	0.194	3.17
90	557	P8	5.5	0.536	0.490	6.27	0.213	0.200	4.52

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90	5090	P8 Loop		0.528	0.527	0.12	0.200	0.217	5.61
92	558	P7	5.6	0.438	0.425	2.17	0.194	0.191	1.10
93	559	P6	5.0	0.607	0.610	0.38	0.227	0.228	0.40
95	560	P5	5.6	0.650	0.708	6.09	0.229	0.283	14.87
99	571	P4	50.5	0.514	0.518	0.57	0.219	0.243	7.30
99	573	P4	4.9	0.553	0.581	3.53	0.196	0.222	8.93
100	574	P3	5.6	0.885	0.843	3.48	0.250	0.262	3.43
101	581	P2	30.9	0.649	0.639	1.12	0.256	0.323	16.57
101	582	P2	25.5	0.686	0.762	7.39	0.270	0.282	3.29
101	585	P2	10.5	0.791	0.741	4.58	0.256	0.244	3.17
101	587	P2	5.5	1.017	0.862	11.67	0.338	0.247	21.99
101	5101	P2 Loop		0.781	0.811	2.64	0.217	0.219	0.61
109	612	102	20.1	0.649	0.638	1.14	0.325	0.298	6.11
109	615	102	1.0	1.078	1.160	5.19	0.448	0.329	21.70
111	624	JF2	19.9	0.753	0.790	3.44	0.349	0.267	19.00
111	625	JF2	10.4	0.451	0.560	15.20	0.172	0.059	69.14
111	627	JF2	0.7	0.901	1.045	10.46	0.505	0.432	11.05
112	638	59	20.4	0.485	0.474	1.62	0.240	0.265	7.12
112	639	59	10.1	0.543	0.579	4.53	0.324	0.253	17.37
112	641	59	0.6	0.728	0.707	2.09	0.254	0.255	0.35
114	652	56	20.3	0.616	0.623	0.86	0.255	0.253	0.46
114	653	56	10.3	0.680	0.678	0.18	0.284	0.288	0.84
114	655	56	1.1	1.592	1.578	0.63	0.395	0.409	2.55
116	664	46	19.9	0.495	0.529	4.75	0.232	0.279	12.83
116	665	46	10.0	0.774	0.742	3.00	0.357	0.352	0.93
116	667	46	1.6	1.474	1.440	1.67	0.409	0.357	9.68
118	680	42	20.8	0.277	0.273	0.97	0.172	0.208	13.24
118	681	42	10.0	1.407	1.363	2.20	0.383	0.434	8.70
118	683	42	1.9	1.627	1.674	2.01	0.462	0.475	1.99
119	698	39	10.3	1.289	1.291	0.08	0.400	0.396	0.68
119	700	39	2.2	1.686	1.704	0.73	0.478	0.430	7.43
120	709	GEO1	10.6	1.170	1.302	7.54	0.396	0.400	0.82
120	711	GEO1	2.0	1.178	1.136	2.60	0.431	0.419	1.98

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124	724	27	20.2	0.422	0.411	1.90	0.228	0.225	1.09
124	725	27	10.6	1.042	1.119	5.02	0.471	0.452	2.78
124	727	27	1.7	1.352	1.317	1.85	0.375	0.370	0.93
125	739	2	19.5	0.716	0.762	4.38	0.293	0.319	6.02
125	740	2	10.7	1.002	1.021	1.31	0.396	0.283	23.56
125	742	2	1.2	1.200	1.118	4.97	0.052	0.208	85.00
127	752	CPF2	20.1	0.495	0.487	1.25	0.251	0.284	8.62
127	753	CPF2	10.0	0.753	0.727	2.45	0.306	0.302	0.94
127	755	CPF2	0.7	0.938	1.010	5.25	0.373	0.339	6.65
129	768	12	20.7	0.466	0.490	3.54	0.282	0.224	16.28
129	769	12	10.3	0.793	0.783	0.92	0.269	0.329	14.15
129	771	12	0.7	1.055	1.084	1.96	0.088	0.044	46.85
132	783	14	20.3	0.461	0.484	3.46	0.276	0.301	6.16
132	784	14	10.2	0.677	0.664	1.38	0.304	0.243	15.71
132	786	14	0.8	0.905	0.974	5.18	0.276	0.271	1.33
133	790	BS11	20.2	0.444	0.447	0.53	0.290	0.363	15.73
133	791	BS11	10.3	0.601	0.600	0.21	0.382	0.321	12.26
133	793	BS11	0.6	0.526	0.507	2.55	0.404	0.401	0.53