

2013-01 Chlorophyll duplicates - page 1

Variability is assessed as the % CV (std dev/mean*100).

When CV % is greater than 15 %, quality flag is 3 with an associated comment.

When CV % is greater than 50 %, quality flag is 4 with an associated comment.

Phaeo-Pigment:Extracted:Bottle data are provided for information only and no quality flags are assigned to them.

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 %
2	JF1	JF1		0.456	0.472	2.48	0.205	0.251	14.16
3	JF2	JF2		0.721	0.711	1.07	0.239	0.250	3.14
4	JF3	JF3		6.401	7.540	11.56	2.378	0.671	79.18
5	JF4	JF4		2.690	2.615	2.02	0.532	0.422	16.31
6	16	P2	25.1	1.974	1.980	0.19	0.365	0.354	2.08
6	18	P2	14.7	2.094	2.175	2.70	0.364	0.386	4.13
6	20	P2	4.4	1.991	2.148	5.38	0.421	0.341	14.82
6	22	P2	29.5	1.752	2.219	16.62	0.520	0.348	28.05
8	33	P3	30.5	1.172	1.204	1.94	0.873	0.644	21.32
8	34	P3	5.3	1.166	1.145	1.33	0.424	0.518	14.10
9	35	P5	31.6	0.716	0.743	2.63	0.363	0.362	0.25
9	36	P5	6.5	0.732	0.738	0.52	0.352	0.373	3.98
10	37	P6	30.6	0.689	0.678	1.12	0.287	0.293	1.39
10	38	P6	5.3	0.678	0.694	1.68	0.350	0.297	11.46
11	39	P7	31.1	0.483	0.456	4.09	0.333	0.314	4.23
11	40	P7	5.6	0.488	0.510	3.07	0.312	0.337	5.40
11	Loop P7	P7		0.483	0.477	0.80	0.364	0.261	23.30
13	56	P8	50.4	0.391	0.347	8.32	0.317	0.407	17.56
13	64	P8	19.6	0.499	0.510	1.52	0.301	0.270	7.80
14	65	P9	49.8	0.532	0.542	1.43	0.320	0.310	2.43
14	66	P9	4.7	0.792	0.711	7.66	0.313	0.271	10.31
15	67	P10	49.3	0.483	0.483	0.00	0.292	0.307	3.66
15	68	P10	4.9	0.526	0.510	2.22	0.295	0.311	3.80
16	69	P11	51.1	0.250	0.239	3.14	0.267	0.304	9.09
16	70	P11	6.1	0.749	0.754	0.51	0.398	0.429	5.26
16	Loop P11	P11		0.586	0.689	11.43	0.628	0.390	32.97
23	124	P12	30.3	0.526	0.521	0.73	0.212	0.249	11.17
23	131	P12	49.9	0.510	0.510	0.00	0.182	0.187	1.98
23	132	P12	19.8	0.517	0.504	1.73	0.211	0.208	1.02
23	133	P12	5.4	0.553	0.575	2.72	0.237	0.169	23.78
25	134	P13	49.6	0.564	0.553	1.37	0.226	0.226	0.16
25	135	P13	5.1	0.591	0.586	0.65	0.199	0.215	5.39
26	136	P14	48.9	0.564	0.629	7.71	0.257	0.269	3.32

2013-01 Chlorophyll duplicates - page 2

Variability is assessed as the % CV (std dev/mean*100).

When CV % is greater than 15 %, quality flag is 3 with an associated comment.

When CV % is greater than 50 %, quality flag is 4 with an associated comment.

Phaeo-Pigment:Extracted:Bottle data are provided for information only and no quality flags are assigned to them.

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 %
26	137	P14	5.9	0.591	0.548	5.39	0.230	0.227	0.95
26	Loop P14	P14		0.542	0.570	3.45	0.201	0.236	11.27
26	142	P15	14.5	0.466	0.494	3.99	0.231	0.204	8.83
26	143	P15	5.3	0.488	0.499	1.55	0.183	0.121	29.09
28	151	P16	29.8	0.429	0.423	0.90	0.114	0.119	3.29
28	158	P16	50.7	0.456	0.456	0.00	0.128	0.123	2.91
28	159	P16	20.1	0.423	0.418	0.91	0.135	0.109	14.83
28	160	P16	5.1	0.423	0.445	3.54	0.124	0.123	0.60
34	202	P18	49.9	0.548	0.542	0.70	0.201	0.170	11.71
34	203	P18	5.2	0.542	0.537	0.71	0.175	0.129	21.46
34	Loop P18	P18		0.532	0.532	0.00	0.171	0.150	9.11
36	208	P19	50	0.575	0.591	1.97	0.158	0.152	2.71
36	209	P19	4.9	0.532	0.510	2.95	0.145	0.146	0.51
37	210	P21	52.3	0.580	0.580	0.00	0.153	0.168	6.82
37	211	P21	5.1	0.608	0.602	0.63	0.167	0.167	0.11
37	Loop P21	P21		0.559	0.553	0.69	0.195	0.154	16.62
38	212	P22	51.6	0.705	0.749	4.22	0.178	0.207	10.63
38	Loop P22	P22		0.705	0.689	1.65	0.147	0.179	13.80
39	236	P23	50.5	0.683	0.678	0.56	0.169	0.159	4.35
39	237	P23	5.3	0.678	0.662	1.72	0.190	0.211	7.57
41	275	P26	29.8	0.472	0.472	0.00	0.143	0.168	11.74
41	282	P26	50.6	0.461	0.466	0.83	0.143	0.164	9.41
41	283	P26	19.8	0.477	0.434	6.73	0.122	0.170	23.52
41	284	P26	4.7	0.450	0.445	0.86	0.175	0.144	13.64
57	242	P35	48.8	0.450	0.456	0.85	0.159	0.169	4.34
57	243	P35	4.9	0.439	0.488	7.44	0.165	0.178	5.42
58	317	P25	50.1	0.553	0.499	7.29	0.190	0.157	13.67
58	318	P25	4.2	0.499	0.532	4.47	0.193	0.155	15.32
59	319	P24	51.4	0.580	0.629	5.71	0.179	0.161	7.43
59	320	P24	5.6	0.608	0.613	0.63	0.172	0.162	4.48
61	328	P20	30.6	0.629	0.645	1.81	0.182	0.176	2.35
61	335	P20	49.4	0.629	0.656	2.98	0.207	0.154	20.70
61	336	P20	20.8	0.629	0.656	2.98	0.171	0.123	22.93

2013-01 Chlorophyll duplicates - page 3

Variability is assessed as the % CV (std dev/mean*100).

When CV % is greater than 15 %, quality flag is 3 with an associated comment.

When CV % is greater than 50 %, quality flag is 4 with an associated comment.

Phaeo-Pigment:Extracted: Bottle data are provided for information only and no quality flags are assigned to them.

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 %
61	337	P20	4.8	0.618	0.613	0.62	0.167	0.151	6.78
66	373	P17	51	0.456	0.472	2.48	0.133	0.137	2.29
66	374	P17	4.8	0.472	0.466	0.82	0.137	0.112	14.50
67	Loop 67	Loop 67		0.483	0.450	4.93	0.209	0.144	26.28
68	Loop 68	Loop 68		0.635	0.597	4.36	0.181	0.328	40.69
69	Loop 69	Loop 69		0.575	0.597	2.62	0.349	0.312	7.95
70	Loop 70	Loop 70		0.532	0.515	2.20	0.326	0.275	11.98
75	424	P4	3.1	3.184	3.222	0.84	0.549	0.424	18.28
75	425	P4	30.4	2.848	3.010	3.93	0.431	0.424	1.29
75	427	P4	4.6	3.406	3.238	3.58	0.425	0.495	10.76
76	Loop 76	Loop 76		4.936	5.424	6.66	0.383	0.514	20.73
77	Loop 77	Loop 77		2.869	2.962	2.24	0.286	0.312	6.28
78	432	P1	29.2	1.031	1.047	1.11	0.715	0.714	0.08
78	433	P1	4.6	1.730	1.747	0.66	0.330	0.334	0.93