

Chlorophyll Data Sheet

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 18 Apr 17 1:42 pm

Analyst: Tamara

Time and date out of freezer: 19 Apr 17 11:50 am

Time analysis started: 19 Apr 17 12:46 pm

20ml: 319B, 253B, 239A
213B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	11.901			
STD			HIGH	4-	64.403			
Blank				6-	0.028	8-	0.026	
250A	6	304	10	1-	111.931	2-	69.492	DF=1
283A	12		10	3-	152.655	4-	83.942	DF=1
315B	22		10	5-	132.289	6-	73.298	DF=3 5ml sa + 10ml
309A	16		10	7-	18.288	8-	11.905	DF=2 10ml sa + 10ml
330A	59		10	1-	61.787	2-	35.816	DF=1
315A	22		10	3-	128.807	4-	71.689	DF=3 5ml sa + 10ml
318A	SC04		10	5-	199.680	6-	108.009	DF=1
264B	9		10	7-	93.682	8-	52.990	DF=1
319B	SC04		20	1-	178.726	2-	96.989	DF=2 1/2 of 20ml + 10ml
266B	9		10	3-	191.095	4-	101.350	DF=3 5ml sa + 10ml
299B	14		10	5-	92.642	6-	52.107	DF=1
253B	6		20	7-	194.642	8-	103.946	DF=2 1/2 of 20ml + 10ml
214B	CPF1		10	1-	186.529	2-	92.52 98.963	DF=3 5ml sa + 10ml
228A	Sta 3		10	3-	136.107	4-	78.760	DF=3 " "
239A	BS17		20	5-	134.565	6-	71.171	DF=1
253A	6		10	7-	247.529	8-	130.978	DF=3 5ml sa + 10ml
312A	16		10	1-	33.930	2-	22.402	DF=1
210B	2		10	3-	183.366	4-	98.170	DF=3 5ml sa + 10ml
213B	CPF1		20	5-	227.009	6-	124.727	DF=1
297B	14		10	7-	50.133	8-	30.127	DF=1
309B	16		10	1-	31.702	2-	20.920	DF=1
331A	59		10	3-	88.191	4-	48.754	DF=1
280A	12		10	5-	50.926	6-	30.462	DF=1
212B	CPF1		20	7-	185.126	8-	105.634	DF=1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

250 A Chl 6 2017-63 Bot 10	283 A Chl 12 2017-63 Bot 16	315 B Chl 22 2017-63 Bot 2	309 A Chl 16 2017-63 Bot 8	330 A Chl 59 2017-63 Bot 11	315 A Chl 22 2017-63 Bot 2	318 A Chl SC04 2017-63 Bot 2	264 B Chl 9 2017-63 Bot 10	319 B Chl SC04 2017-63 Bot 3	266 B Chl 9 2017-63 Bot 12
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259 B Chl 14 2017-63 Bot 16	253 B Chl 6 2017-63 Bot 13	214 B Chl 2017-63 CPF1 BH3	228 A Chl Stn3 2017-63 Bot 14	239 A Chl StnBS17 2017-63 Bot 8	253 A Chl 6 2017-63 Bot 13	312 A Chl 16 2017-63 Bot 11	210 B Chl StnBS2 2017-63 Bot 15	213 B Chl 2017-63 CPF1 BH12
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297 B Chl 14 2017-63 Bot 13	309 B Chl 16 2017-63 Bot 8	331 A Chl 59 2017-63 Bot 12	280 A Chl 12 2017-63 Bot 13	212 B Chl 2017-63 CPF1 BH1
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Chlorophyll Data Sheet

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 18 Apr 17 3:35pm

Analyst: Tamara

Time and date out of freezer: 19 Apr 17 2:14pm

20ml: 195A, 195B, 193A

Time analysis started: 19 Apr 17 3:15pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.004			
STD			LOW	2-	11.801			
STD			HIGH	4-	64.132			
Blank				6-	0.025	8-		
174A	GED1	304	10	1-	270.556	2-	154.680	DF=1
118B	56		10	3-	20.231	4-	13.582	DF=1
85A	65		10	5-	46.930	6-	27.719	DF=1
22A	Sm102		10	7-	71.464	8-	43.010	DF=1
194B	24		10	1-	136.621	2-	73.339	DF=3 5ml Sa + 10ml
130A	46		10	3-	29.529	4-	19.088	DF=1
88A	65		10	5-	94.562	6-	55.131	DF=1
24B	Sm102		10	7-	90.580	8-	53.586	DF=1
195A	24		20	1-	327.317	2-	174.250	DF=1
130B	46		10	3-	35.595	4-	22.893	DF=1
86A	65		10	5-	78.735	6-	45.471	DF=1
21A	Sm102		10	7-	65.894	8-	41.428	DF=1
193A	24		20	1-	92.772	2-	53.533	DF=1
132A	46		10	3-	42.568	4-	25.711	DF=1
91A	63		10	5-	89.299	6-	52.076	DF=1
39A	75		10	7-	91.034	8-	54.259	DF=1
195B	24		20	1-	173.442	2-	92.261	DF=2 10ml Sa + 10ml
129A	46		10	3-	22.986	4-	15.253	DF=1
92B	63		10	5-	81.612	6-	48.926	DF=1
37B	75		10	7-	87.729	8-	52.182	DF=1
138B	27		10	1-	33.870	2-	24.363	DF=1
132B	46		10	3-	41.093	4-	24.922	DF=1
90B	63		10	5-	70.970	6-	42.389	DF=1
9	SI		10	7-	144.438	8-	80.197	DF=2
								DF=3 5ml Sa + 10ml
Stand-by				1-	0.004			
Std	Low			2-	11.778			
Std	High			4-	64.272			
Blank	by			6-	0.047	8-	0.041	

174A
CHL
GEOI
2017-63
Bot 2

118 B
Chl
56
0m
2017-63
Bot 14

85 A
Chl
65
20m
2017-63
Bot 7

22 A
Chl
Stn102
20 m
2017-63
Bot 12

194 B
CHL
2017-63
Stn 24
Bot 2

130 A
Chl
46
10m
2017-63
Bot 10

88 A
Chl
65
0m
2017-63
Bot 10

24 B
Chl
Stn102
5 m
2017-63
Bot 14

195A
CHL
2017-63
Stn 24
Bot 3

130 B
Chl
46
10m
2017-63
Bot 10

86 A
Chl
65
10m
2017-63
Bot 8

21A
Chl
Stn102
30 m
2017-63
Bot 11

193 A
CHL
2017-63
Stn 24
Bot 1

132 A
Chl
46
0m
2017-63
Bot 12

91 A
Chl
63
2017-63
Bot 2

39 A
Chl
Stn75
5 m
2017-63
Bot 14

196B
CHL
2017-63
Stn 24
Bot 3

129 A
Chl
46
20m
2017-63
Bot 9

92 B
Chl
63
2017-63
Bot 3

37 B
Chl
Stn75
20 m
2017-63
Bot 12

138 B
Chl
Stn27
x
2017-63
Bot 13

132 B
Chl
46
0m
2017-63
Bot 12

90 B
Chl
63
2017-63
Bot 1

9
Chl
Stn 81
1
2017-63
Bot 9



Chlorophyll Data Sheet

149A spilled ~0.5 ml
acetone

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 20 Apr 17 11:55 a.m.

Analyst: Tamara

Time and date out of freezer: 21 Apr 17 9:40 am

Time analysis started: 21 Apr 17 11 am

20 ml: 167B, 149A, 149B, 5?

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	11.967			
STD			HIGH	4-	65.297			
Blank				6-	0.026	8-		
149A	42	304	20	1-	205.916	2-	107.887	DF=1 spilled ~0.5 ml acetone
103A	62		10	3-	40.071	4-	24.581	DF=1
149B	42		20	5-	208.311	6-	110.273	DF=1
50B	72		10	7-	50.736	8-	31.388	DF=1
101B	62		10	1-	38.777	2-	23.625	DF=1
50A	72		10	3-	48.677	4-	30.388	DF=1
175A	GEO1		10	5-	305.829	6-	169.624	DF=1
116B	56		10	7-	20.384	8-	14.094	DF=1
164B	39		10	1-	66.707	2-	44.412	DF=1
391B	75		10	3-	88.473	4-	51.771	DF=1
86B	65		10	5-	78.635	6-	46.845	DF=1
21A	102		10	7-	60.956	8-	38.384	DF=1
167B	39		20	1-	204.471	2-	108.029	DF=1
74B	ADCP		10	3-	84.140	4-	49.816	DF=1
* 194A	24		10	5-	138.879	6-	74.813	DF=3 5 ml 5A + 10 ml
5?	SI		20	7-	220.651	8-	121.310	DF=1
115A	56		10	1-	18.492	2-	12.735	DF=1
63A	69		10	3-	45.063	4-	28.516	DF=1
189A	27		10	5-	145.655	6-	87.469	DF=1
100A	62		10	7-	38.565	8-	23.714	DF=1
75A	ADCP		10	1-	91.261	2-	52.454	DF=1
6	SI		10	3-	73.519	4-	43.222	DF=1
189B	27		10	5-	150.244	6-	90.612	DF=1
103B	62		10	7-	38.877	8-	23.891	DF=1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

149 A	103 A	149 B	50 B	101 B	50 A	175A	116B
Chl	Chl	Chl	Chl	Chl	Chl	CHL	Chl
42	62	42	Stn72	62	Stn72	GEOI	56
0m		0m	30m	30m	30m	2017-63	10m
2017-63	2017-63	2017-63	2016-63	2017-63	2016-63	Bot 3	2017-63
Bot 16	Bot 11	Bot 16	Bot 10	Bot 9	Bot 10		Bot 12

164 B	39 B	86 B	21 A	167 B	74 B	194A	57
Chl	Chl	Chl	Chl	Chl	Chl	CHL	ST
Stn39	Stn75	65	Stn102	Stn39	StnADCP	2017-63	
	5 m	10m	30 m	2017-63	20m	Stn 24	
2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	Bot 2	
Bot 14	Bot 14	Bot 8	Bot 11	Bot 17	Bot 7		

115A	63A	189 A	100 A	75 A	189 B	103 B
Chl	Chl	Chl	Chl	Chl	Chl	Chl
56	Stn69	Stn27	62	StnADCP	Stn 27	62
20m		x	10m	10m	x	
2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	2017-63
Bot 11	Bot 9	Bot 14	Bot 8	Bot 8	Bot 14	Bot 11



Chlorophyll Data Sheet

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 20 Apr 17 3:45 pm

Analyst: Tamara

Time and date out of freezer: 21 Apr 17 1:50 pm

20ml: 191A, 7, 191B, 210A, 214A,

Time analysis started: " " 2:45 pm

230A, 266A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	11.894			
STD			HIGH	4-	64.502			
Blank				6-	0.037	8-	0.033	
77A	ADCP	306	10	1-	94.783	2-	55.850	DF=1
36A	75		10	3-	75.737	4-	46.431	DF=1
191A	27		20	5-	260.097	6-	136.489	DF=2 10ml sa + 10ml
101A	62		10	7-	35.683	8-	22.367	DF=1
51B	72		10	1-	88.826	2-	53.442	DF=1
7	SI		20	3-	219.047	4-	123.190	DF=1
100B	62		10	5-	39.717	6-	24.405	DF=1
191B	27		20	7-	254.617	8-	133.951	DF=2 10ml sa + 10ml
77B	ADCP		10	1-	85.657	2-	50.399	DF=1
7	SI		10	3-	143.778	4-	82.105	DF=3 5ml sa + 10ml
210A	2		20	5-	133.625	6-	71.668	DF=2 10ml sa + 10ml
212A	CPF1		10	7-	127.798	8-	72.012	DF=3 5ml sa + 10ml
213A	CPF1		10	1-	196.368	2-	85.729	DF=3 5ml sa + 10ml
214A	CPF1		20	3-	147.378	4-	79.204	DF=2 10ml + 10ml
227B	3		10	5-	94.815 93.302	6-	63.979	DF=1
228B	3		10	7-	130.696	8-	75.065	DF=3 5ml sa + 10ml
227A	3		10	1-	94.681	2-	64.225	DF=1
230A	3		20	3-	174.685	4-	92.948	DF=2 10ml + 10ml
237B	BS17		10	5-	186.955	6-	103.221	DF=1
236B	BS17		10	7-	88.907	8-	53.096	DF=1
250B	6		10	1-	114.804	2-	71.927	DF=1
239B	BS17		10	3-	257.911	4-	136.913	DF=1
266A	9		20	5-	283.314	6-	150.244	DF=1
263A	9		10	7-	31.521	8-	21.406	DF=1
Stand-by				1-	0.007			
Std	Low			2-	11.802			
Std	High			4-	64.384			
Blank	by			6-	0.031	8-6	0.028	

77 A Chl StnADCP 0m 2017-63 Bot 10	36 A Chl Stn75 30 m 2017-63 Bot 11	191 A Chl Stn27 5 m 2017-63 Bot 16	101 A Chl 62 2017-63 Bot 9	51 B Chl Stn72 20 m 2016-63 Bot 11	7 Chl Stn SI 1 2017-63 Bot 7	100 B Chl 62 2017-63 Bot 8	191 B Chl Stn27 5 m 2017-63 Bot 16
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77 B Chl StnADCP 0m 2017-63 Bot 10	7 Chl Stn SI 1 2017-63 Bot 7	210 A Chl Stn CPF 2 2017-63 Bot 15	212 A Chl 2017-63 CPF1 B411	213a B Chl ^{OFF} 2017-63 CPF1 B412	214a Chl 2017-63 CPF1 B413	227 B Chl Stn3 2017-63 Bot 13	228 B Chl Stn3 2017-63 Bot 14
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227 A Chl Stn3 2017-63 Bot 13	230 A Chl Stn3 2017-63 Bot 16	237 Chl B StnBS17 2017-63 Bot 6	236 B Chl StnBS17 2017-63 Bot 5	250 B Chl 6 2017-63 Bot 10	239 Chl B StnBS17 2017-63 Bot 8	266 A Chl 9 2017-63 Bot 12	263 A Chl 9 2017-63 Bot 9
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1st use of 90% acetone
made 24 Apr 17

322B Cond - 1/ml

Chlorophyll Data Sheet

Cruise: 2016-63

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Dates of Cruise:

Time and date acetone added: 24 Apr 17 1020am

Analyst: Tamara

Time and date out of freezer: 25 Apr 17 910am

20ml: 251B, 237A, 251A, 316B, 318B

Time analysis started: 25 Apr 17 1030am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.008			
STD			LOW	2-	11.926			
STD			HIGH	4-	64.839			
Blank				6-	0.027	8-	0.026	
230B	3	304	10	1-	220.081	2-	116.971	DF=3 5ml sa + 10ml
236A	BS17		10	3-	78.781	4-	47.976	DF=1
251B	6		20	5-	168.213	6-	94.927	DF=1
237A	BS17		20	7-	110.281	8-	60.686	DF=1
280B	12		10	1-	49.242	2-	31.576	DF=1
251A	6		20	3-	183.235	4-	105.213	DF=1
281A	12		10	5-	112.408	6-	65.875	DF=1
283B	12		10	7-	148.911	8-	81.635	DF=1
310A	16		10	1-	34.513	2-	22.846	DF=1
312B	16		10	3-	33.580	4-	22.072	DF=1
310B	16		10	5-	38.553	6-	25.579	DF=1
296A	14		10	7-	53.288	8-	33.059	DF=1
281B	12		10	1-	153.732	2-	90.351	DF=1
296B	14		10	3-	45.025	4-	27.905	DF=1
263B	9		10	5-	109.585	6-	65.006	DF=1
264A	9		10	7-	103.509	8-	60.002	DF=1
297A	14		10	1-	61.187	2-	36.312	DF=1
299A	14		10	3-	105.529	4-	60.144	DF=1
314B	22		10	5-	117.751	6-	67.995	DF=1
314A	22		10	7-	117.256	8-	67.970	DF=1
316B	22		20	1-	106.260	2-	58.966	DF=1
316A	22		10	3-	214.213	4-	121.701	DF=1
317A	SC04		10	5-	213.489	6-	116.141	DF=1
318B	SC04		20	7-	102.893	8-	56.393	DF=1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

230 <i>B</i> Chl Stn3 2017-63 Bot 16	236 <i>A</i> Chl StnBS17 2017-63 Bot 5	251 <i>B</i> Chl 6 2017-63 Bot 11	237 <i>A</i> Chl StnBS17 2017-63 Bot 6	280 <i>B</i> Chl 12 2017-63 Bot 13	251 <i>A</i> Chl 6 2017-63 Bot 11	281 <i>A</i> Chl 12 2017-63 Bot 14	283 <i>B</i> Chl 12 2017-63 Bot 16
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310 <i>A</i> Chl 16 2017-63 Bot 9	312 <i>B</i> Chl 16 2017-63 Bot 11	310 <i>B</i> Chl 16 2017-63 Bot 9	296 <i>A</i> Chl 14 2017-63 Bot 12	281 <i>B</i> Chl 12 2017-63 Bot 14	296 <i>B</i> Chl 14 2017-63 Bot 12	263 <i>B</i> Chl 9 2017-63 Bot 9	264 <i>A</i> Chl 9 2017-63 Bot 10
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297 <i>A</i> Chl 14 2017-63 Bot 13	299 <i>A</i> Chl 14 2017-63 Bot 13 16	314 <i>B</i> Chl 22 2017-63 Bot 1	314 <i>A</i> Chl 22 2017-63 Bot 1	316 <i>B</i> Chl 22 2017-63 Bot 3	316 <i>A</i> Chl 22 2017-63 Bot 3	317 <i>A</i> Chl SC04 2017-63 Bot 1	318 <i>B</i> Chl SC04 2017-63 Bot 2
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Chlorophyll Data Sheet

lost ~1ml: 129B, 66A

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 24 Apr 17 2 pm

Analyst: Tamara

Time and date out of freezer: 25 Apr 17 1150am

20ml: 319A, 175B

Time analysis started: 25 Apr 17 1250 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.007			
STD			LOW	2-	11.841			
STD			HIGH	4-	64.404			
Blank				6-	0.038	8-	0.035	
319A	804	304	20	1-	176.527	2-	95.390	DF=2 10ml sa + 10ml
331B	59		10	3-	82.757	4-	46.590	DF=1
330B	59		10	5-	67.082	6-	38.492	DF=1
333A	59		10	7-	92.525	8-	51.375	DF=1
333B	59		10	1-	95.887	2-	52.535	DF=1
317B	SC04		10	3-	203.074	4-	110.037	DF=1
193B	24		10	5-	187.372	6-	105.584	DF=1
129B	46		10	7-	23.072	8-	15.627	DF=1
174B	GED1		10	1-	285.190	2-	167.595	DF=1
66B	69		10	3-	114.193	4-	66.647	DF=1
165B	39		10	5-	98.947	6-	62.371	DF=1
118A	56		10	7-	20.209	8-	13.916	DF=1
91B	63		10	1-	81.742	2-	48.532	DF=1
64B	69		10	3-	83.227	4-	49.534	DF=1
175B	GED1		20	5-	163.767	6-	90.788	DF=1
66A	69		10	7-	111.818	8-	65.169	DF=1
188A	27		10	1-	32.624	2-	23.962	DF=1
116A	56		10	3-	20.266	4-	14.133	DF=1
115B	56		10	5-	19.586	6-	13.494	DF=1
64A	69		10	7-	8.130	8-	5.080	DF=1
165A	39		10	1-	108.280	2-	66.765	DF=1
63B	69		10	3-	38.486	4-	23.451	DF=1
74A	ADP		10	5-	80.584	6-	47.261	DF=1
37A	75		10	7-	81.088	8-	48.403	DF=1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

319 A	331 B	330 B	333 A	333 B	317 B	193 B	129 B
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
SC04	59	59	59	59	SC04	2012-63	46
2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	Stn 24	20m
Bot 3	Bot 12	Bot 11	Bot 14	Bot 14	Bot 1	Bot 1	2017-63
							Bot 9

174 B	66 B	165 B	118 A	91 B	64 B	175 B	66 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
GEDI	Stn69	Stn39	56	63	Stn69	GEDI	Stn69
2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	2017-63
Bot 2	Bot 12	Bot 15	Bot 14	Bot 2	Bot 10	Bot 3	Bot 12

188 A	116 A	115 B	64 A	165 A	63 B	74 A	37 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn27	56	56	Stn69	Stn39	Stn69	StnADCP	Stn75
X	10m	20m	2017-63	2017-63	2017-63	20m	20 m
2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	2017-63	2017-63
Bot 13	Bot 12	Bot 11	Bot 10	Bot 15	Bot 9	Bot 7	Bot 12

Chlorophyll Data Sheet

Cruise: 2017-63

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Dates of Cruise:

Time and date acetone added: 24 Apr 17 4pm

Analyst: Tamara

Time and date out of freezer: 25 Apr 17 2:55pm

20ml: 167A, 147B, 147A, 13B

Time analysis started: 25 Apr 17 3:55pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.005			
STD			LOW	2-	11.905			
STD			HIGH	4-	64.275			
Blank				6-	0.032	8-	0.031	
53B	72	304	10	1-	85.525	2-	48.395	DF=1
53A	72		10	3-	84.677	4-	47.772	DF=1
51A	72		10	5-	91.993	6-	53.734	DF=1
75B	ADCP		10	7-	96.277	8-	55.212	DF=1
90A	63		10	1-	68.222	2-	40.936	DF=1
85B	65		10	3-	41.978	4-	24.837	DF=1
167A	39		20	5-	205.837	6-	109.360	DF=1
164A	39		10	7-	75.339	8-	49.288	DF=1
36B	75		10	1-	77.264	2-	47.304	DF=1
22B	102		10	3-	71.264	4-	43.760	DF=1
6	SI		10	5-	76.464	6-	44.749	DF=1
24A	102		10	7-	82.459	8-	49.466	DF=1
92A	63		10	1-	84.363	2-	49.513	DF=1
88B	65		10	3-	88.078	4-	51.515	DF=1
147B	42		20	5-	92.351	6-	50.512	DF=2
146A	42		10	7-	67.184	8-	41.589	DF=1
147A	42		20	1-	173.615	2-	93.378	DF=1
173A	GEO1		10	3-	223.137	4-	125.809	DF=1
146B	42		10	5-	67.940	6-	42.244	DF=1
173B	GEO1		20	7-	116.388	8-	65.491	DF=1
207A	2		10	1-	163.515	2-	97.723	DF=1
207B	2		10	3-	173.507	4-	104.453	DF=1
208A	2		20	5-	222.052	6-	123.089	DF=1
208B	2		20	7-	225.758	8-	123.948	DF=1
Stand-by				1-	0.006			
Std	Low			2-	11.862			
Std	High			4-	64.242			
Blank	by			6-		8-		

53 B	53 A	51 A	75 B	90 A	85 B	167 A	164 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn72	Stn72	Stn72	StnADCP	63	65	Stn39	Stn39
20m	5m	20m	10m	20m	20m		
2016-63	2016-63	2016-63	2017-63	2017-63	2017-63	2017-63	2017-63
Bot 13	Bot 13	Bot 11	Bot 8	Bot 1	Bot 7	Bot 17	Bot 14

36 B	22 B	6	24 A	92 A	88 B	147 B	146 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn75	Stn102	Stn 51	Stn102	63	65	42	42
30 m	20 m	1	5 m	2017-63	2017-63	2017-63	2017-63
2017-63	2017-63	2017-63	2017-63	Bot 3	Bot 10	Bot 14	Bot 13
Bot 11	Bot 12	Bot 6	Bot 14				

147 A	173A	146B	173B	207 A	207 B	208 A	208 B
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
42	6ED1	42	6ED1	tn 6ED1 2	tn 6ED1 2	tn 6ED1 2	Stn 6ED1 2
10m	2017-63	20m	2017-63	017-63	017-63	017-63	2017-63
2017-63	2017-63	2017-63	2017-63	Bot 12	Bot 12	Bot 13	Bot 13
Bot 14	Bot 11	Bot 13	Bot 11				

