

2017-64 June Chandler

20 mL

5007B

44A

316A 297A

317B

311A

313A

317A

315B

Chlorophyll Data Sheet

Cruise: ~~2017-06~~ 2017-64

Page: 1 of 3

Dates of Cruise:

Time and date acetone added: 10 am 17 July 2017 Analyst: MM + SM

Time and date out of freezer: 8 am 18 July 2017

Time analysis started: 9 am 18 July 2017

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.394			
STD			HIGH	4-	61.223			
Blank				6-	-0.021	8-	-0.023	
					DID NOT PRESS 2 on comp			
62A	P2	30%	10	1-	19.7	2-	12.202	2017-06 No PC
33A	IF2		10	3-	46.442	4-	25.933	
5004A	JF2		10	5-	50.351	6-	28.596	
59B	P2		10	7-	26.028	8-	15.890	
5006A	JF3		10	1-	64.949	2-	35.842	
5007B	JF4		20	3-	79.425	4-	43.023	
63A	P2		10	5-	17.212	6-	10.656	
64A	P2		10	7-	18.072	8-	10.849	
54	12		10	1-	5.757	2-	5.150	
503B	JF1		10	3-	32.652	4-	19.808	
61A	D2		10	5-	23.674	6-	14.118	
44A	P1		20	7-	214.169	8-	122.660	
310A	22		20	1-	186.444	2-	105.067	2017-64 NOB F
317B	22		20	3-	39.217	4-	21.897	New file saved
310A	14		10	5-	42.712	6-	27.1284	on comp
311A	14		20	7-	38.405	8-	23.219	
313A	14		20	1-	77.228	2-	43.611	
317A	22		20	3-	41.570	4-	23.325	
315B	22		20	5-	81.059	6-	45.289	
297A	10		20	7-	43.992	8-	26.488	
295A	10		10	1-	30.703	2-	23.487	
294A	10		10	3-	26.052	4-	16.024	
282A	12		10	5-	23.803	6-	15.326	
283A	12		10	7-	48.708	8-	29.670	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

transcribed to 2017-06 sheet

transcribed to 2017-06 sheet

Bot 13

Bot 14

Bot 14

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 2 of 3

Dates of Cruise:

Time and date acetone added: 12pm 17 July, 2017 Analyst: SM:MH

Time and date out of freezer: 10:30pm 18 July, 2017

Time analysis started: 11:30pm 18 July

20ml

266B 207A

268B 191A

253B

255

223A

216A

217A

221A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.223			
STD			HIGH	4-	60.783			
Blank				6-	-0.021	8-	-0.023	
282B	12	306	10	1-	24.928	2-	15.904	no DF
255B	6		20	3-	23.434	4-	15.1	
253B	6		10	5-	39.418	6-	24.589	
268A	9		10	7-	54.642	8-	34.691	
268B	9		20	1-	29.525	2-	18.753	
266B	9		20	3-	28.725	4-	18.084	
255A	6		10	5-	14.612	6-	9.749	
240A	BS17		10	7-	65.231	8-	39.254	
242A	BS17		10	1-	53.491	2-	32.015	
231B	3		10	3-	45.865	4-	28.063	
230A	3		10	5-	19.632	6-	13.303	
242B	BS17		10	7-	6.728	8-	4.016	
223A	2		20	1-	76.684	2-	47.654	
215A	CPF1		10	3-	70.85	4-	43.47	
216A	CPF1		20	5-	84.812	6-	51.555	
217A	CPF1		20	7-	50.661	8-	30.694	
221A	2		20	1-	30.568	2-	18.771	
220A	2		10	3-	27.306	4-	17.341	
205A	27		10	5-	80.2	6-	44.535	
207A	27		10	7-	114.075	8-	62.266	
204A	27		10	1-	17.949	2-	11.71	
189B	GE01		10	3-	33.034	4-	20.836	
189A	GE01		10	5-	32.21	6-	19.919	
191A	GE01	✓	20	7-	87.048	8-	48.312	↓
Stand- by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

20ml

81B
182B
182A
37B

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 3 of 3

Dates of Cruise:

Time and date acetone added: 2:15 pm 17 July 2017 Analyst: SM-MH

Time and date out of freezer: 12:15 pm 18 July 2017

Time analysis started: 1:15 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.028			
STD			LOW	2-	11.189			
STD			HIGH	4-	60.513			
Blank				6-	-0.025	8-	-0.025	
182A	39	20	20	1-	51.422	2-	51.156	no df
199A	39		10	3-	27.329	4-	17.397	
182B	39		20	5-	52.147	6-	31.481	
147B	46		10	7-	88.157	8-	50.538	
20B	59		10	1-	26.123	2-	15.910	
119B	62		10	3-	103.639	4-	57.794	
101A	65		10	5-	54.188	6-	32.384	
89A	adcp		10	7-	28.317	8-	15.222	
81B	60		20	1-	23.261	2-	13.624	
37B	102		20	3-	38.157	4-	29.52	
66A	72		10	5-	42.397	6-	28.659	
24A	59		10	7-	21.719	8-	13.819	
37A	102		10	1-	82.707	2-	48.437	
65B	72		10	3-	40.443	4-	24.961	
81A	69		10	5-	44.850	6-	26.919	
89B	adcp		10	7-	28.017	8-	17.000	
100A	65		10	1-	42.113	2-	26.079	
119A	62		10	3-	101.857	4-	57.105	
147A	46		10	5-	102.830	6-	59.584	
180B	39		10	7-	112.827	8-	72.050	
20A	59		10	1-	25.821	2-	16.196	
30B	102		10	3-	50.764	4-	31.820	
65A	72		10	5-	37.360	6-	22.993	
79B	69		10	7-	43.316	8-	25.709	
Stand-by				1-	-0.028			
Std	Low			2-	11.149			
Std	High			4-	60.659			
Blank	by			6-	-0.023	8-	-0.022	
				5 in comp				

[illegible]

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 1 of 3

Dates of Cruise:

Time and date acetone added: 10 am 18 July 2017 Analyst: MH + SM

Time and date out of freezer: 8 am 19 July 2017

Time analysis started: 9 am 19 July 2017

20 mL
- 310B -221B
- 313B -223B
- 297B -207B
- 253A
- 240B
- 231A
- 216B
- 217B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.028			
STD			LOW	2-	11.310			
STD			HIGH	4-	61.179			
Blank				6-	-0.022	8-	-0.025	
310B	22	300	20	1-	194.540	2-	108.207	No DF
315A	22		10	3-	172.112	4-	96.832	
311B	14		10	5-	75.611	6-	45.915	
313B	14		20	7-	82.423	8-	46.289	
297B	10		20	1-	46.068	2-	27.690	
310B	14		10	3-	40.622	4-	25.613	
283B	12		10	5-	48.571	6-	29.416	
231A	3		20	7-	23.127	8-	13.989	
295B	10		10	1-	35.982	2-	22.701	
294B	10		10	3-	26.282	4-	16.866	
216B	9		10	5-	59.271	6-	37.665	
2165B	9		10	7-	20.785	8-	13.874	
285A	12		10	1-	46.262	2-	27.967	
253A	6		20	3-	37.895	4-	23.608	
230B	3		10	5-	18.645	6-	12.579	
240B	BS17		20	7-	26.234	8-	17.068	
252B	6		10	1-	34.471	2-	22.083	
216B	CPE1		20	3-	91.576	4-	54.868	
217B	CPE1		20	5-	52.113	6-	31.378	
221B	2		20	7-	29.822	8-	18.384	
215B	CPE1		10	1-	71.007	2-	42.917	
223B	2		20	3-	77.056	4-	47.552	
204B	27		10	5-	19.205	6-	12.603	
207B	27	✓	20	7-	168.962	8-	59.410	↓
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

20ml

98

180A

145B

117A

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 2 of 3

Dates of Cruise:

Time and date acetone added: 12:15pm 18 July 2017 Analyst: SM+MH

Time and date out of freezer: 10am 19 July 2017

Time analysis started: 11am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.028			
STD			LOW	2-	11.184			
STD			HIGH	4-	60.426			
Blank				6-	-0.023	8-	-0.025	
116B	62	306	10	1-	52.152	2-	36.452	no DF
144A	46		10	3-	57.804	4-	34.051	
6B	51		10	5-	7.092	6-	5.591	
144B	46		10	7-	65.146	8-	39.597	
95A	63		10	1-	92.516	2-	52.968	
52B	75		10	3-	77.257	4-	45.372	
162B	42		10	5-	71.775	6-	41.998	
164B	42		10	7-	102.84	8-	57.183	
68B	72		10	1-	49.895	2-	28.931	
8A	31		10	3-	81.204	4-	43.554	
161A	42		10	5-	129.923	6-	73.334	
145A	46		10	7-	32.928	8-	18.5	
117A	62		20	1-	63.883	2-	39.517	
94A	63		10	3-	33.297	4-	20.888	
78A	69		10	5-	43.782	6-	26.354	
79A	69		10	7-	106.488	8-	60.272	
54B	75		10	1-	51.146	2-	31.873	
36A	102		10	3-	39.198	4-	21.571	
9B	51		20	5-	56.296	6-	35.394	
180A	39		20	7-	64.378	8-	36.185	
145B	46		20	1-	78.388	2-	44.51	
117B	62		10	3-	46.523	4-	29.124	
100B	65		10	5-	27.745	6-	16.976	end at first 6
				7-		8-		recomputer glitch
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 3 of 3

Dates of Cruise:

Time and date acetone added: 2pm 18 July 2017

Analyst: M.H. + S.M.

Time and date out of freezer: 12pm 19 July 2017

Time analysis started: 1 pm

20 mL

- 96B

9A

- 8B

- 21B

66B

239A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.166			
STD			HIGH	4-	60.309			
Blank				6-	-0.022	8-	-0.023	
96B	63	306	20	1-	54.986	2-	30.684	No DF
9A	SI		20	3-	46.051	4-	25.096	
164	42		10	5-	101.366	6-	56.232	
78B	67		10	7-	33.919	8-	20.807	
92A	adcp		10	1-	24.115	2-	14.241	
116A	62		10	3-	51.172	4-	30.114	
39A	102		10	5-	75.366	6-	42.948	
131A	56		10	7-	34.021	8-	21.531	
95B	63		10	1-	90.065	2-	52.050	
103B	65		10	3-	38.047	4-	22.465	
134B	56		10	5-	77.2167	6-	43.341	
52A	25		10	7-	63.679	8-	37.347	
8B	SI		20	1-	40.185	2-	21.365	
23B	59		10	3-	24.716	4-	15.082	
23A	59		10	5-	25.208	6-	15.427	
68A	72		10	7-	49.858	8-	27.028	
51B	75		10	1-	44.575	2-	27.095	
21B	59		20	3-	10.115	4-	6.235	
66B	72		20	5-	23.576	6-	14.337	
101B	65		10	7-	54.386	8-	32.567	
910A	63		10	1-	107.23	2-	60.65	
131B	56		10	3-	35.796	4-	22.476	
239A	85/7		20	5-	17.721	6-	11.310	
132B	56		10	7-	39.886	8-	24.578	
Stand-by				1-	-0.027			
Std	Low			2-	11.189			
Std	High			4-	60.648			
Blank	by			6-	-0.019	8-	-0.025	

134 *B*

CHL

Stn 56

2017-64

Bot 14

131

CHL

Stn 56

2017-64

Böt 11

CHL

Stn 56

2017-64

Bot. 12

A

20 mL

- 134A
- 190B
- 190A

Chlorophyll Data Sheet

Cruise: 2017-64

Page: 1 of 1

Dates of Cruise:

Time and date acetone added: 10 am 19 July 2017 Analyst: MH + SM

Time and date out of freezer: 8 am 20 July 2017

Time analysis started: 9 am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.344			
STD			HIGH	4-	61.472			
Blank				6-	-0.021	8-	-0.021	
162A	42	300	10	1-	71.541	2-	42.240	No DF
132A	56	1	10	3-	39.149	4-	23.821	
161B	42	1	10	5-	42.542	6-	28.552	
94B	63	1	10	7-	59.399	8-	36.255	
134A	56	1	20	1-	44.180	2-	22.129	
103A	65	1	10	3-	38.691	4-	22.777	
90B	adcp	1	10	5-	25.930	6-	15.541	
54A	75	1	10	7-	101.796	8-	57.213	
92B	adcp	1	10	1-	23.808	2-	14.013	
51A	75	1	10	3-	45.774	4-	28.129	
39B	102	1	10	5-	76.065	6-	43.319	
6A	51	1	10	7-	6.905	8-	5.410	
239B	B517	1	10	1-	89.589	2-	49.701	
220B	2	1	10	3-	28.391	4-	17.391	
205B	27	1	10	5-	89.589	6-	49.701	
190B	GE01	1	20	7-	70.367	8-	42.385	
190A	GE01	1	20	1-	67.197	2-	40.825	
252A	6	1	10	3-	34.311	4-	20.011	
265A	9	1	10	5-	20.596	6-	14.341	
191B	GE01	1	10	7-	179.056	8-	99.184	
285B	12	1	10	1-	45.770	2-	27.479	
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	-0.026			
Std	Low			2-	11.199			
Std	High			4-	60.527			
Blank	by			6-	-0.02	8-	-0.021	

162 CHL Stn 42 2017-64 Bot 14 A	132 A CHL Stn 56 2017-64 Bot 12	161 CHL Stn 42 2017-64 Bot 13 B	94 B CHL Stn 63 2017-64 Bot 22	134 A CHL Stn 56 2017-64 Bot 14	193 A CHL Stn 65 2017-64 Bot 10	99 CHL Stn adcy 2017-64 Bot 8 B	54 A CHL Stn 75 2017-64 Bot 14	92 CHL Stn adcy 2017-64 Bot 10 B	51 A CHL Stn 75 2017-64 Bot 11	39 CHL Stn 102 2017-64 Bot 14 B
5 A CHL Stn SI 2017-64 Bot 6	239 CHL Stn BS17 2017-64 Bot 5 B	220 B CHL Stn 2 2017-64 Bot 12	205 B CHL Stn 27 2017-64 Bot 14	190 B CHL Stn GE01 2017-64 Bot 2	190 A CHL Stn GE01 2017-64 Bot 2	252 CHL Stn 6 2017-64 Bot 10 A	265 A CHL Stn 9 2017-64 Bot 9	191 B CHL Stn GE01 2017-64 Bot 3	285 B CHL Stn 12 2017-64 Bot 16	179 B CHL Stn 39 2017-64 Bot 14