

⊗ change gain for every depth? Ft ~ 50
auto zero!

Hannah

Station Data PAM TEST STATION

Station #	G100 test	UTC Date		Local Date	6-7-2016
Cast #	1	UTC Time		Local Time	3 pm

Lat.		Temp.		Depth	
Long.		Salinity		Fluor.	

Sample in dark	Time	15:36
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sample: Gain 3
PM-Gain 19
FOFR: 57

PAM Measurements

Niskin	Depth (m.)	Sample #	Light Curve	Time	Intensity
15	17 m.	0.575	1 a	16:12	1
15	17 m.	0.526	1 b	16:14	1
15	17	0.525	3 a	16:16	3
15	17	0.528	3 b	16:19	3
15	17	0.560	5 a	16:21	5
15	17	0.568	5 b	16:23	5
13	20	0.552	1 a	16:25	1
13	20	0.546	1 b	16:27	1
13	20	0.562	3 a	16:30	3
13	20	0.575	3 b	16:32	3
13	20	0.583	5 a	16:34	5
13	20	0.525	5 b	16:36	5
11	25 m	0.574	1 a	16:39	1
11		0.558	1 b	16:41	1
11		0.487	3 a	16:44	3
11		0.555	3 b	16:46	3
11		0.548	5 a	16:48	5
11			5 b		5
9	30 m.	0.414	1 a	16:51	1
9					
9		0.469	3 a	16:53	3
9		0.567	5 a	16:55	5

DCM

Tube #
1
1
1
1
1
1
2
2
2
2
2
2
3
3
3
3
3
3
4
4
4
4
4

Station Data

1st Station

Station	G100	Cast #	1601-003	Local Date	6.9.2016	Time ^{start} _{cast}	13:00
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Lat. N	68° 29.8531	Temp.	1.7°C	Depth (m)	369.9
Long. W	56° 47.7420	Salinity	33.50	Fluor. (mg/L)	0.15

Samples in dark

Time 14:40

PAM Measurements

Tube	Niskin/Carboy	Depth	Sample #	Gain/PM-Gain	F-Offs.	Intensity	Time	1st Y(II)
1	D	surface		12 / 30	117 158	1	15:33	—
						1	15:35	—
						3	15:37	—
						3	15:39	0.337
						5	15:42	—
						5	15:44	—
2	A	10 m.				1	15:46	—
						1	15:48	—
						3	15:51	—
						3	15:53	0.315
						5	15:55	—
						5	15:57	—
3	B	20 m.			56	1	16:01	—
						1	16:04	0.382
						3	16:06	—
						3	16:09	—
						5	16:11	—
						5	16:13	—
4	13	30 m.				1	16:20	—
						1	16:22	—
						3	16:24	0.179
						3	16:27	0.255
						5	16:29	0.238 —

very low biomass
unstable F

Station Data

Station	1601-003	Cast #	G 100	Local Date	6-9-2016	Time	13:00
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PAM Measurements

Tube	Niskin	Depth	Sample #	Gain/PM-Gain	F-Offs.	Intensity	Time	1st Y(II) = F_v/F_m
4	13	30 m.		12 / 30	56	5	16:31	-
5	11	40 m.			105	1	16:35	0.183
						1	16:37	0.102
						3	16:40	0.068
						3	16:42	0.160
						5	16:44	0.139
						5	16:46	-
6	8	45 m.				5	16:50	0.268
						5	16:52	-
						3	16:54	-
						3	16:56	-
						5	16:59	-
						5	17:01	0.726
7	7	50 m.				1	17:05	-
						1	17:08	-
						3	17:10	-
						3	17:12	-
						5	17:14	0.145
						5	17:16	0.094
8	C	60 m.				1	17:18	0.650
						1	17:21	-
						3	17:23	0.023
						3	17:25	0.196
						5	17:27	-
						5	17:29	0.586

DCM

⊗ bad light levels used this station + earlier

Station Data

Station	G102	Cast #	1601-006	Local Date	6.10.16	Time	5:30
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Lat. N	63 30.2816	Temp. ^{water}	0.28°C	Depth	361.53
Long. W	57 28.2836	Salinity	33.52	Fluor.	1.44

Samples in dark

Time	7:00
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PAM Measurements

Tube	Niskin	Depth	Sample #	Gain/PM-Gain	F-Offs.	Intensity	Time	1st Y(II)
1	E	surface		12 / 39	105	1	7:29	0.184
						1	7:31	0.029
						3	7:33	-
						3	7:35	0.179
						5	7:38	0.265
						5	7:40	0.143
2	17	10m.				1	7:43	-
				ft 100-200		1	7:45	0.077
						3	7:47	0.407
						3	7:49	-
						5	7:52	0.340
						5	7:54	0.274
3	16	20m.		ft 200-300		1	8:38	0.136
						1	8:40	-
						3	8:42	0.217
						3	8:45	0.146
						5	8:47	0.005
						5	8:50	-
4	15	30 m.		81 30	197	5	8:55	-
				measuring		5	8:57	0.145
				light int. 2		3	8:59	-
						3	9:01	0.265
						5	9:03	0.093

5 1 9:06 0.120

Station Data

Station	G102	Cast #	1601-006	Local Date	6-10-16	Time	5:30
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PAM Measurements

Tube	Niskin	Depth	Sample #	Gain/PM-Gain	F-Offs.	Intensity	Time	1st Y(II)
5	13	45m.		8 1 30	197	1	9:09	0.104
				measuring light intensity = 2		1	9:12	0.057
						3	9:14	-
						3	9:16	0.028
						5	9:19	0.061
						5	9:22	0.406
6	14	40m.				5	9:25	0.039
						5	9:27	0.021
						3	9:30	0.243
						3	9:33	0.021
						1	9:36	-
						1	9:38	0.179
7	B	50m.				1	9:42	0.236
						1	9:44	-
						3	9:47	0.142
						3	9:51	0.186
						5	9:55	0.178
						5	9:58	0.244
8	8	55m.				1	10:01	0.231
						1	10:04	0.172
						3	10:06	0.076
						3	10:09	0.273
						5	10:12	0.360
						5	10:15	0.246

DCM

Station Data

Station	G 102	Cast #	1601-006	Local Date	6.10.16	Time	5:30
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PAM Measurements

Tube	Niskin	Depth	Sample #	Gain/PM-Gain	F-Offs.	Intensity	Time	1st Y(II)
9	7	60 m.		8 / 30	197	1	10:17	0.351
				measuring light intensity = 2		1	10:20	0.303
						3	10:22	0.398
						3	10:24	0.185
						5	10:27	0.278
						5	10:29	0.190
10	C	70 m.		12 / 30	350	1	10:34	0.356
				measuring light intensity = 2		1	10:37	-
						3	10:40	0.418
						3	10:42	0.139
						5	10:45	0.545
						5	10:49	0.038
11	D	80 m.		Ft 50-100		1	10:57	0.104
				same settings		1	11:01	-
						3	11:04	-
						3	11:06	-
						5	11:08	0
						5	11:11	0.320
12	A	100 m.				1	11:14	0.008
						1		
						3		
						3		
						5		
						5		