

Station Data

Station	G300	Cast #	048	Local Date	6/17/2016	Time	12:15 pm
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	19	sfz	<div> <div>3</div> <div>12</div> <div>12</div> <div>30</div> <div>323</div> </div>	Measuring Light	15:37	436	603	0.277
				Int. 2	15:40	105	105	0.0
				Freq. 12	15:48	143	176	0.188
				System Parameters	15:50	327	430	0.240
				Gain 12	15:51	224	393	0.430
2	17	15 m.		PM-Gain 30	15:52	208	231	0.100
				F-Offs. 247	15:55	240	267	0.101
				Measuring Light	15:56	241	236	-
				Int. 3	15:57	137	113	-
				Freq. 12	15:58	352	351	-
3	15	30 m.		System Parameters	15:59	564	706	0.201
				Gain 12	16:00	477	874	0.454
				PM-Gain 30	16:02	503	650	0.226
				F-Offs. 323	16:03	858	1599	0.463
				Measuring Light	16:05	505	669	0.245
4	13	40 m.		Int. 2	16:30	477	942	0.4014
				Freq. 4	16:31	571	711	0.197
				System Parameters	16:32	500	1031	0.515
				Gain 8	16:33	614	865	0.290
				PM-Gain 30	16:35	418	782	0.465
5	10	45 m. DCM		F-Offs. 168	16:39	574	1469	0.609
				Measuring Light	16:41	978	1656	0.409
				Int. 2	16:42	831	1719	0.517
				Freq. 12	16:43	899	1584	0.432
				System Parameters	16:44	818	1370	0.403
				Gain 12				
				PM-Gain 30				
				F-Offs. 184				

change settings

Station Data

Station	G300	Cast #	048		Local Date	6.17.2016	Time	12:15 pm
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PAM Measurements - Fv/Fm

[illegible]

Station Data

Station	G309	Cast #	057	Local Date	6-18-16	Time	8:45
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Lat. N	68° 59.9966	Temp.	-0.64°C	Depth	346
Long. W	58° 44.8824	Salinity	32.65	Fluor.	0.51

Samples in dark

Time 9:30

PAM Measurements - Rapid Light Curves

Tube	Niskin	Depth	Sample #	Settings	Light	Time	1st Y(II)				
2	16	5 m.		Measuring Light	Ampl. 1	10:21	0.052				
				Int. 2	Int. 4	10:23	0.082				
				Freq. 12	Ampl. 1	10:25	-				
				System Parameters		10:29	-				
				Gain 12	Ampl. 2	10:32	0.140				
				PM-Gain 30		10:34	0.006				
				F-Offs. 284	Ampl. 6	10:37	-				
				NPQ Curve		10:42	0.254				
				4	Carboy A	15 m. Dam		Measuring Light	Ampl. 1	10:58	-
								Int. 1	Int. 4	11:01	-
Freq. 4	Ampl. 1	11:03	0.008								
System Parameters		11:05	0.166								
Gain 12	Ampl. 2	11:08	0.147								
PM-Gain 30		11:12	0.368								
F-Offs. 82	Ampl. 6	11:14	0.315								
NPQ Curve		11:17	-								
7	5	30 m.						Measuring Light	Ampl. 1	11:32	0.194
								Int. 2	Int. 4	11:35	0.497
				Freq. 4	Ampl. 1	11:38	0.308				
				System Parameters		11:41	0.167				
				Gain 10	Ampl. 2	11:43	0.339				
				PM-Gain 30		11:45	0.267				
				F-Offs. 206	Ampl. 6	11:48	0.508				
				NPQ Curve		11:53	0.311				

0.498

Station Data

Station	G309	Cast #	057	Local Date	6-18-16	Time	8:45 am
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	18	sfz		Measuring Light	12:37	216	247	0.126
				Int. 2	12:38	604	579	-
				Freq. 4	12:39	188	217	0.134
				System Parameters	12:40	494	587	0.158
				Gain 10 PM-Gain 30 F-Offs. 206	12:41	217	173	-
2	16	5 m.		Measuring Light	12:42	328	300	-
				Int. same	12:43	415	528	0.214
				Freq. same	12:44	399	458	0.129
				System Parameters	12:45	570	530	-
				Gain PM-Gain F-Offs.	12:46	324	383	0.154
3	14	10 m.		Measuring Light	12:47	393	546	0.280
				Int. same	12:48	514	774	0.336
				Freq. same	12:49	563	926	0.392
				System Parameters	12:50	883	1276	0.308
				Gain PM-Gain F-Offs.	12:51	472	743	0.365
4	Carboy A	15 m. PCM	Sample # 15 FLASH to	Measuring Light	12:52	799	1303	0.387
				Int. same	12:53	1167	1413	0.174
				Freq. same	12:54	583	810	0.280
				System Parameters				
				Gain PM-Gain F-Offs.				
5	9	20 m.		Measuring Light	12:56	1173	1738	0.325
				Int. same	12:57	1180	1850	0.362
				Freq. same	12:58	1539	2505	0.386
				System Parameters				
				Gain PM-Gain F-Offs.				

Station Data

Station	G 309	Cast #	057	Local Date	6.18.16	Time	8:45 am
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
6	7	25 m.		Measuring Light	13:00	1138	1541	0.262
				Int. <i>same</i>	13:00	1456	3109	0.532
				Freq. <i>same</i>	13:01			0.486
				System Parameters	13:02	1120	2435	0.540
				Gain	13:03	1451	2267	0.360
7	5	30 m.		PM-Gain				
				F-Offs.	13:04	294	558	0.473
				Measuring Light	13:06	373	538	0.307
				Int. <i>same</i>	13:07	386	685	0.436
				Freq. <i>same</i>				
8	3	35 m.		System Parameters				
				Gain	13:09	1060	1831	0.421
				PM-Gain	13:10	144	364	0.604
				F-Offs.	13:10	192	545	0.648
				Measuring Light	13:11	312	469	0.335
9	2	40 m.		Int. <i>same</i>	13:12	196	363	0.460
				Freq. <i>same</i>	13:15	93	112	0.170
				System Parameters	13:16	140	226	0.381
				Gain	13:17	155	211	0.265
				PM-Gain	13:17	124	181	0.315
10	1	60 m.		F-Offs. <i>287</i>	13:18	125	168	0.256
				Measuring Light	13:20	95	141	0.326
				Int. <i>2</i>	13:21	261	435	0.400
				Freq. <i>12</i>	13:22	113	137	0.175
				System Parameters	13:23	95	77	-
				Gain	13:24	100	142	0.296
				PM-Gain				
				F-Offs.				

Station Data

Station	G310	Cast #	062	Local Date	6.18.2016	Time	23:00
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	19	sfz		Measuring Light	00:28	238	224	-
				Int. 2	0:29	182	193	0.057
				Freq. 12	0:30			0.084
				System Parameters	0:30	206	301	0.316
				Gain 12	0:32	271	366	0.260
2	17	10 m.		PM-Gain 30	0:33	305	490	0.378
				F-Offs. 190 Ampl. 6	0:34	381	366	-
				Measuring Light	0:35	279	441	0.367
				Int. Same	0:36			0.255
				Freq. Same	:36			0.204
3	15	15 m.		System Parameters	:37			0.396
				Gain	:39			0.316
				PM-Gain	:40			0.331
				F-Offs.	:40			0.303
					:41			0.454
4	13	20 m.		Measuring Light	:43			0.161
				Int. 1	:44			0.002
				Freq. 12	:45			0.020
				System Parameters	:46	550	525	-
				Gain 12	:47	442	468	0.056
5	11	25 m.		PM-Gain 30	:48	315	303	-
				F-Offs. 72	:49	604	727	0.169
				Measuring Light	:50	611	588	-
				Int. Same	:51	476	568	0.162
				Freq. Same	:52	625	613	-
				System Parameters				
				Gain				
				PM-Gain				
				F-Offs.				

Station Data

Station	G 310	Cast #	062	Local Date	6-18-16	Time	23:00
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
6	9	30 m.		Measuring Light	0:53	227	272	0.165
				Int.	0:54	245	252	0.028
				Freq.	1:54	160	163	0.018
				System Parameters	1:55	74	154	0.519
				Gain	1:56	184	193	0.047
7	7	35 m.		PM-Gain		153	148	-
				F-Offs.	1:00			0.300
				Measuring Light	1:00			0.503
				Int.	1:01			0.450
				Freq.	1:02			0.448
8	6	40 m.		System Parameters	1:03			0.470
				Gain	1:04			0.399
				PM-Gain	1:05			0.426
				F-Offs.	1:06			0.327
				Measuring Light	1:07			0.328
9	3	60 m.		Int.	1:09			0.376
				Freq.	1:10			0.075
				System Parameters	1:10			0.128
				Gain	1:11			0.265
				PM-Gain	1:12			0.109
10	1	80 m.		F-Offs.	1:13			0.471
				Measuring Light	1:14			0.231
				Int.	1:15			0.024
				Freq.	1:15			0.206
				System Parameters	1:16			0.086
				Gain				
				PM-Gain				
				F-Offs.				

Station Data

Station	G312	Cast #	065	Local Date	6-19-2016	Time	9:00
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Lat. N	69.07987	Temp.	—	Depth	1395
Long. W	59.35.0735	Salinity	—	Fluor.	—

Samples in dark

Time	10:05
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PAM Measurements - Rapid Light Curves

Tube	Niskin	Depth	Sample #	Settings	Light	Time	1st Y(II)
2	16	10 m.		Measuring Light	Ampl. 1	10:45 51	0.258
				Int. 2	Int. 4	10:46 53	0.137
				Freq. 12			
				System Parameters	Ampl. 1	10:56	0.052
				Gain 12	Int. 5	10:58	0.131
				PM-Gain 30			
				F-Offs. 190	Ampl. 2	11:00	0.2672
				NPQ Curve	Int. 4	11:03	0.299
					Ampl. 6	11:09	0.300
					Int. 5	11:14	0.311
				Measuring Light	Ampl. 1	11:20	0.205
3	Carboy A	15 m. DCM	Sample #18	Int. same	Int. 4	11:22	0.339
				Freq. same			
				System Parameters	Ampl. 1	11:24	0.262
				Gain	Int. 5	11:26	0.166
				PM-Gain			
				F-Offs.	Ampl. 2	11:29	0.436
				NPQ Curve	Int. 4	11:31	0.440
					Ampl. 6	11:33	0.384
					Int. 5	11:38	0.396
				Measuring Light	Ampl. 1	11:43	0.182
				Int. same	Int. 4	11:45	0.214
6	7	30 m.		Freq. same			
				System Parameters	Ampl. 1	11:47	0.228
				Gain	Int. 5	11:53	0.203
				PM-Gain			
				F-Offs.	Ampl. 2	11:56	0.411
				NPQ Curve	Int. 4	12:00	0.392
					Ampl. 6	12:03	0.399
					Int. 5	12:09	0.381

0.078

0.137

11:05

0.376

11:07

0.378

forget to change PAR list

Station Data

Station	G312	Cast #	065	Local Date	6/19/16	Time	9:00
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	18	sfz		Measuring Light	12:58	304	401	0.242
				Int. 2 <i>Ampt 6</i>	:59			0.111
				Freq. 12				
				System Parameters	13:01	323	325	0.006
				Gain 12	:02	230	400	0.425
				PM-Gain 30	:02	215	296	0.274
2	16	10 m.		Measuring Light	13:03	372		0.217
				Int.	:04	600	823	0.271
				Freq. <i>same</i>	:05	488	707	0.310
				System Parameters				
				Gain				
				PM-Gain				
3	Carboy A	15 m. DCM		Measuring Light	13:05	332	541	0.386
				Int.	:06	471	860	0.433
				Freq. <i>same</i>	:07	417	640	0.348
				System Parameters				
				Gain				
				PM-Gain				
4	11	20 m.		Measuring Light	:08	402	619	0.351
				Int.	:08	271	555	0.512
				Freq. <i>same</i>	:09	370	508	0.272
				System Parameters	:10	346	823	0.580
				Gain	:19	439	879	0.501
				PM-Gain				
5	9	25 m.		Measuring Light	:12	277	478	0.421
				Int.	:12	320	562	0.431
				Freq. <i>same</i>	:13	298	495	0.398
				System Parameters				
				Gain				
				PM-Gain				
				F-Offs.				

Station Data

Station	G312	Cast #	065	Local Date	6-19-2016	Time	9:00 am
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
6	7	30 m.		Measuring Light	13:15	283	500	0.434
				Int. <i>same</i>	:15	210	312	0.327
				Freq. <i>same</i>	:16	287	364	0.212
				System Parameters	:17	233	375	0.379
				Gain	:18			
7	5	35 m.		PM-Gain				
				F-Offs.				
				Measuring Light	:26	152	513	0.704
				Int. 3	:27	459	809	0.429
				Freq. 12	:27	552	996	0.446
8	3	40 m.		System Parameters	:28	526	782	0.327
				Gain 12	:29	460	618	0.256
				PM-Gain 30				
				F-Offs. 240				
				Measuring Light	:30	417	591	0.294
9	2	60 m.		Int. <i>same</i>	:31	436	678	0.357
				Freq. <i>same</i>	:32	432	622	0.305
				System Parameters				
				Gain				
				PM-Gain				
10	1	80 m.		F-Offs.	:33	316	374	0.155
				Measuring Light	:34	324	363	0.107
				Int. <i>same</i>	:34	334	396	0.157
				Freq. <i>same</i>				
				System Parameters				
				Gain	:35	276	315	0.124
				PM-Gain	:36	285	276	-
				F-Offs.	:36	297	316	0.060
					:37	273	280	0.1225

Station Data

Station	G318	Cast #	072	Local Date	6-20-16	Time	9:15
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Lat. N	69° 0.3715	Temp.	-1.54°C	Depth	1439
Long. W	60° 57.1565	Salinity	33.05	Fluor.	1.29

Samples in dark

Time	9:57
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PAM Measurements - Rapid Light Curves

Tube	Niskin	Depth	Sample #	Settings	Light	Time	1st Y(II)	
2	16	10 m.		Measuring Light	Ampl. 1	10:35	0.087	0.115
				Int. 2	Int. 4	10:37	0.087	
				Freq. 12				
				System Parameters	Ampl. 1	10:40	0.085	
				Gain 12	Int. 5	10:42	0.078	
				PM-Gain 30				
				F-Offs. 190	Ampl. 2	10:44	0.219	
				10:46	Int. 4	10:47	0.302	
				NPQ Curve	Ampl. 6	10:49	0.297	
					Int. 5	10:54	0.307	
4	Carboy A	20 m. DCM	Sample #21 FLUSH	Measuring Light	Ampl. 1	11:00	0.243	
				Int. Same	Int. 4	11:02	0.217	
				Freq. Same				
				System Parameters	Ampl. 1	11:04	0.207	
				Gain	Int. 5	11:06	0.260	
				PM-Gain				
				F-Offs.	Ampl. 2	11:09	0.351	
					Int. 4	11:13	0.302	
				NPQ Curve	Ampl. 6	11:16	0.411	
					Int. 5	11:21	0.368	
6	7	30 m.		Measuring Light	Ampl. 1	11:30	0.095	
				Int. Same	Int. 4	11:34	0.075	
				Freq. Same				
				System Parameters	Ampl. 1	11:36	0.104	
				Gain	Int. 5	11:39	0.080	
				PM-Gain				
				F-Offs.	Ampl. 2	11:41	0.152	
					Int. 4	11:43	0.237	
				NPQ Curve	Ampl. 6	11:46	-	
					Int. 5	11:51	0.000	