

Station Data

Station	G324	Cast #	080	Local Date	6-21-2016	Time	13:45
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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	18	sfz		Measuring Light	16:20	292	325	0.102
				Int. 2	:21	312	332	0.060
				Freq. 12	:22	299	293	-
				System Parameters	:23	290	301	0.037
				Gain 12	:24	278	315	0.117
2	16	10m.		Measuring Light	:25	265	323	0.180
				Int. same	:25	268	343	0.219
				Freq. same	:26	265	360	0.264
				System Parameters	:27	251	327	0.232
				Gain	:28	279	347	0.196
3	14	15m.		Measuring Light	:28	290	406	0.286
				Int. same	:29	273	401	0.319
				Freq. same	:30	279	358	0.221
				System Parameters	:33	236	321	0.265
				Gain	:34	241	312	0.228
4	11	20m.		Measuring Light	:35	223	361	0.382
				Int. same	:36	256	325	0.212
				Freq. same	:36	206	290	0.290
				System Parameters	:37	235	358	0.344
				Gain	:38	229	360	0.364
5	9	25m.		Measuring Light	:39	195	333	0.414
				Int. same	:39	203	292	0.305
				Freq. same	:40	183	286	0.360
				System Parameters	:41	224	329	0.319
				Gain	:42	205	320	0.359
				PM-Gain				
				F-Offs.				

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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
6	7	30m.		Measuring Light	16:44	220	334	0.341
				Int. Freq. <i>same</i>	:44	234	401	0.416
				System Parameters	:45	242	356	0.320
				Gain	:46	209	322	0.351
				PM-Gain F-Offs.	:47	255	338	0.246
7	5	40m.		Measuring Light	:49	181	247	0.267
				Int. Freq. <i>same</i>	:50	184	271	0.321
				System Parameters	:51	189	267	0.292
				Gain	:51	180	288	0.375
				PM-Gain F-Offs.	:52	203	287	0.293
8	3	50m.		Measuring Light	:53	125	186	0.328
				Int. Freq. <i>same</i>	:54	78	87	0.103
				System Parameters	:54	132	168	0.214
				Gain	:55	115	147	0.218
				PM-Gain F-Offs.	:56	82	143	0.427
9	2	70m.		Measuring Light	:57	76	71	-
				Int. Freq. <i>same</i>	:57	76	66	-
				System Parameters	:58	86	102	0.157
				Gain	:59	79	75	-
				PM-Gain F-Offs.	:59	95	85	-
no 10 today				Measuring Light				
				Int. Freq.				
				System Parameters				
				Gain				
				PM-Gain F-Offs.				

Station Data

Station	G400	Cast #	086	Local Date	6-24-2016	Time	19:30
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Lat. N	68.11796	Temp.	-1.53°C	Depth	1244
Long. W	62.252083	Salinity	32.0	Fluor.	1.75

Samples in dark

Time	20:23
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PAM Measurements - Rapid Light Curves

Tube	Niskin	Depth	Sample #	Settings	Light	Time	1st Y(II)
3	15	10 m.		Measuring Light	Ampl. 1	20:58	0.079
				Int. 3	Int. 4	21:08	-
				Freq. 12		21:10	0.101
				System Parameters	Ampl. 1	21:13	0.021
				Gain 12	Int. 5	21:15	0.031
				PM-Gain 30	Ampl. 2	21:18	-
				F-Offs. 140 124	Int. 4	21:20	0.041
				NPQ Curve	Ampl. 6	21:22	0.620
					Int. 5	21:27	0.214
5	11	20 m. DCM		Measuring Light	Ampl. 1	21:37	0.377
				Int. 2	Int. 4	21:39	0.208
				Freq. 12			
				System Parameters	Ampl. 1	21:41	0.307
				Gain 12	Int. 5	21:43	0.240
				PM-Gain 30	Ampl. 2	21:46	0.433
				F-Offs. 318	Int. 4	21:48	0.453
				NPQ Curve	Ampl. 6	21:51	0.370
					Int. 5	21:56	0.658
7	7	30 m.		Measuring Light	Ampl. 1	22:04	0.296
				Int. 3	Int. 4	22:06	0.173
				Freq. 12			
				System Parameters	Ampl. 1	22:08	0.211
				Gain 12	Int. 5	22:11	0.292
				PM-Gain 30	Ampl. 2	22:13	0.558
				F-Offs. 482	Int. 4	22:15	0.500
				NPQ Curve	Ampl. 6	22:18	0.594
					Int. 5	22:22	0.479

Int. 2
F-Offs = 190

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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
1	19	sfz		Measuring Light	22:38	811	724	-
				Int. 2	:39	482	769	0.373
				Freq. 12	:40	582	943	0.383
				System Parameters	:41	770	1082	0.288
				Gain 12 ? PM-Gain 30 ? F-Offs.				
2	17	5m.		Measuring Light	:42	354	456	0.224
				Int. ?	:43	285	396	0.280
				Freq. ?	:44	400	615	0.350
				System Parameters				
				Gain PM-Gain F-Offs.				
3	15	10m.		Measuring Light	:45	203	443	0.542
				Int. ?	:46	203	45	-
				Freq. ?	:48			
				System Parameters				
				Gain PM-Gain F-Offs.				
4	13	15m.		Measuring Light	22:55	410	801	0.488
				Int. 4	:56	591	1046	0.435
				Freq. 12	:57	745	1144	0.349
				System Parameters	:58	673	776	0.133
				Gain 12 PM-Gain 30 F-Offs. 382	:59	704	1103	0.360
5	11	20m. DEM		Measuring Light	:00	816	1311	0.378
				Int. SAME	:00	705	1147	0.385
				Freq. SAME	:01	760	1164	0.347
				System Parameters				
				Gain PM-Gain F-Offs.				

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PAM Measurements - Fv/Fm

Tube	Niskin	Depth	Sample #	Settings	Time	F	Fm'	Y(II)
6	9	25m.		Measuring Light	23:02	584	940	0.379
				Int.	:03	172	998	0.828
				Freq. <i>same</i>	:04	617	1058	0.417
				System Parameters	:05	563	965	0.417
				Gain PM-Gain F-Offs.				
7	7	30m.		Measuring Light	:06	552	839	0.342
				Int.	:06	270	245	-
				Freq. <i>same</i>	:08	306	460	0.335
				System Parameters				
				Gain PM-Gain F-Offs.				
8	5	40m.		Measuring Light	23:17	288	256	-
				Int. 5	:18	313	113	0.719
				Freq. 12	:19	827	1062	0.221
				System Parameters	:19	843	985	0.144
				Gain 12 PM-Gain 30 F-Offs. 312	:20	741	1065	0.304
9	3	50m.		Measuring Light	:21	816	974	0.162
				Int.	:22	387	346	-
				Freq. <i>same</i>	:26	824	1160	0.290
				System Parameters	:27	777	1102	0.295
				Gain PM-Gain F-Offs.				
10	1	100m.		Measuring Light	:27	615	625	0.016
				Int.	:28	540	648	0.167
				Freq. <i>same</i>	:29	606	618	0.019
				System Parameters	:29	533	594	0.103
				Gain PM-Gain F-Offs.				