

Cruise	Leg	Station	mon/day/yr [UTC]	Cast	Niskin_Bottle	Depth [m]
Malina	1B	PAC_07Jul09_1300	07/07/2009	NaN	pump	8
Malina	1B	PAC_07Jul09_1300	07/07/2009	NaN	pump	8
Malina	1B	PAC_07Jul09_1300	07/07/2009	NaN	pump	8
Malina	1B	PAC_08Jul09_1300	07/08/2009	NaN	pump	8
Malina	1B	PAC_08Jul09_1300	07/08/2009	NaN	pump	8
Malina	1B	PAC_08Jul09_1300	07/08/2009	NaN	pump	8
Malina	1B	BER_09Jul09_1300	07/09/2009	NaN	pump	8
Malina	1B	BER_09Jul09_1300	07/09/2009	NaN	pump	8
Malina	1B	BER_09Jul09_1300	07/09/2009	NaN	pump	8
Malina	1B	ARC_11Jul09_1300	07/11/2009	NaN	pump	8
Malina	1B	ARC_11Jul09_1300	07/11/2009	NaN	pump	8
Malina	1B	ARC_11Jul09_1300	07/11/2009	NaN	pump	8
Malina	1B	ARC_12Jul09_1300_B	07/12/2009	NaN	Bucket	1
Malina	1B	ARC_12Jul09_1300_B	07/12/2009	NaN	Bucket	1
Malina	1B	ARC_12Jul09_1300_B	07/12/2009	NaN	Bucket	1
Malina	1B	BEA_13Jul09_1300_B	07/13/2009	NaN	Bucket	1
Malina	1B	BEA_13Jul09_1300_B	07/13/2009	NaN	Bucket	1
Malina	1B	BEA_13Jul09_1300_B	07/13/2009	NaN	Bucket	1
Malina	1B	BEA_14Jul09_1300_B	07/14/2009	NaN	Bucket	1
Malina	1B	BEA_14Jul09_1300_B	07/14/2009	NaN	Bucket	1
Malina	2B	690	08/01/2009	30	19	4.1
Malina	2B	690	08/01/2009	30	13	12.2
Malina	2B	690	08/01/2009	30	10	17.4
Malina	2B	690	08/01/2009	30	5	29.8
Malina	2B	690	08/01/2009	30	2	36
Malina	2B	680	08/02/2009	33	20	3.2
Malina	2B	680	08/02/2009	33	15	10.5
Malina	2B	680	08/02/2009	33	13	24.8
Malina	2B	680	08/02/2009	33	11	35.2
Malina	2B	680	08/02/2009	33	8	40.6
Malina	2B	680	08/02/2009	33	2	45.4
Malina	2B	394	08/03/2009	38	5	3.4
Malina	2B	280	08/03/2009	41	16	3.4
Malina	2B	280	08/04/2009	41	14	6
Malina	2B	280	08/04/2009	41	11	11.9
Malina	2B	280	08/04/2009	41	9	18
Malina	2B	280	08/04/2009	41	5	27.1
Malina	2B	280	08/04/2009	41	2	30.1
Malina	2B	260	08/04/2009	44	19	3.2
Malina	2B	260	08/04/2009	44	15	20

Malina	2B	260	08/04/2009	44	13	38
Malina	2B	260	08/04/2009	44	8	40.8
Malina	2B	260	08/04/2009	44	5	44
Malina	2B	260	08/04/2009	44	2	50.1
Malina	2B	220	08/05/2009	51	18	3.2
Malina	2B	220	08/05/2009	51	15	19.9
Malina	2B	220	08/05/2009	51	12	30.2
Malina	2B	220	08/05/2009	51	10	50
Malina	2B	220	08/05/2009	51	8	70
Malina	2B	240	08/05/2009	53	18	5
Malina	2B	240	08/05/2009	53	15	20
Malina	2B	240	08/05/2009	53	12	30.3
Malina	2B	240	08/05/2009	53	10	38.9
Malina	2B	240	08/05/2009	53	8	55
Malina	2B	110	08/06/2009	57	18	3.4
Malina	2B	110	08/06/2009	57	15	20
Malina	2B	110	08/06/2009	57	13	40
Malina	2B	110	08/06/2009	57	10	62.7
Malina	2B	130	08/07/2009	60	18	5.1
Malina	2B	130	08/07/2009	60	16	10.9
Malina	2B	130	08/07/2009	60	12	50.1
Malina	2B	130	08/07/2009	60	10	60
Malina	2B	130	08/07/2009	60	7	69.9
Malina	2B	170	08/07/2009	66	13	3.2
Malina	2B	170	08/07/2009	66	10	9.8
Malina	2B	170	08/07/2009	66	8	14.4
Malina	2B	170	08/07/2009	66	6	19.9
Malina	2B	170	08/07/2009	66	5	24.8
Malina	2B	170	08/07/2009	66	2	30.6
Malina	2B	380	08/08/2009	72	17	3.3
Malina	2B	380	08/08/2009	72	13	9.9
Malina	2B	380	08/08/2009	72	11	15
Malina	2B	380	08/08/2009	72	4	34.9
Malina	2B	380	08/08/2009	72	2	47.8
Malina	2B	360	08/08/2009	75	16	3.1
Malina	2B	360	08/08/2009	75	13	20
Malina	2B	360	08/08/2009	75	10	34.6
Malina	2B	360	08/08/2009	75	7	49.8
Malina	2B	360	08/08/2009	75	4	60.3
Malina	2B	360	08/08/2009	75	1	70.4
Malina	2B	320	08/09/2009	83	18	3.1

Malina	2B	320	08/09/2009	83	15	19.8
Malina	2B	320	08/09/2009	83	11	49.8
Malina	2B	320	08/09/2009	83	9	60
Malina	2B	320	08/09/2009	83	6	70
Malina	2B	320	08/09/2009	83	4	80.1
Malina	2B	340	08/09/2009	86	24	2.8
Malina	2B	340	08/09/2009	86	16	20.2
Malina	2B	340	08/09/2009	86	14	35.2
Malina	2B	340	08/09/2009	86	11	50.8
Malina	2B	340	08/09/2009	86	7	60.5
Malina	2B	340	08/09/2009	86	4	74.8
Malina	2B	670	08/10/2009	90	23	3.5
Malina	2B	670	08/10/2009	90	15	20.2
Malina	2B	670	08/10/2009	90	12	40.2
Malina	2B	670	08/10/2009	90	10	50.2
Malina	2B	670	08/10/2009	90	8	60.5
Malina	2B	670	08/10/2009	90	5	70.1
Malina	2B	620	08/11/2009	100	23	3.2
Malina	2B	620	08/11/2009	100	15	20
Malina	2B	620	08/11/2009	100	10	50.2
Malina	2B	620	08/11/2009	100	5	80
Malina	2B	640	08/12/2009	103	19	3.3
Malina	2B	640	08/12/2009	103	15	30.1
Malina	2B	640	08/12/2009	103	10	50.1
Malina	2B	640	08/12/2009	103	9	60.1
Malina	2B	640	08/12/2009	103	5	70
Malina	2B	640	08/12/2009	103	4	80.3
Malina	2B	760	08/12/2009	107	23	3
Malina	2B	760	08/12/2009	107	15	19.9
Malina	2B	760	08/12/2009	107	12	50.1
Malina	2B	760	08/12/2009	107	10	59.9
Malina	2B	760	08/12/2009	107	8	69.9
Malina	2B	760	08/12/2009	107	5	80.1
Malina	2B	780	08/13/2009	110	13	9.8
Malina	2B	780	08/13/2009	110	10	20
Malina	2B	780	08/13/2009	110	8	25.8
Malina	2B	780	08/13/2009	110	6	30.4
Malina	2B	780	08/13/2009	110	1	34.9
Malina	2B	540	08/17/2009	135	23	3.3
Malina	2B	540	08/17/2009	135	15	20
Malina	2B	540	08/17/2009	135	12	50.1

Malina	2B	540	08/17/2009	135	10	60.1
Malina	2B	540	08/17/2009	135	8	70.2
Malina	2B	540	08/17/2009	135	5	80.1
Malina	2B	430	08/18/2009	139	23	3.3
Malina	2B	430	08/18/2009	139	15	20.1
Malina	2B	430	08/18/2009	139	12	40.2
Malina	2B	430	08/18/2009	139	10	54.6
Malina	2B	430	08/18/2009	139	8	64.9
Malina	2B	460	08/19/2009	147	23	3
Malina	2B	460	08/19/2009	147 bucket		0
Malina	2B	460	08/19/2009	147	12	45
Malina	2B	460	08/19/2009	147	10	56.4
Malina	2B	460	08/19/2009	147	7	65
Malina	2B	460	08/19/2009	147	10	56
Malina	2B	135	08/20/2009	149	24	3.6
Malina	2B	135	08/20/2009	149	15	20.2
Malina	2B	135	08/20/2009	149	12	40.3
Malina	2B	135	08/20/2009	149	7	60.5
Malina	2B	135	08/20/2009	151	24	3.3
Malina	2B	135	08/20/2009	151	15	20.2
Malina	2B	135	08/20/2009	151	11	40.1
Malina	2B	135	08/20/2009	151	7	59.74
Malina	2B	135	08/20/2009	151	4	80.5
Malina	2B	135	08/21/2009	153	15	19.9
Malina	2B	135	08/21/2009	153	12	40
Malina	2B	135	08/21/2009	153	7	60.1
Malina	2B	135	08/21/2009	153	4	80.8
Malina	2B	135	08/21/2009	162	23	3.5
Malina	2B	135	08/21/2009	162	23	3.5
Malina	2B	135	08/21/2009	162	15	20.1
Malina	2B	135	08/21/2009	162	12	40.3
Malina	2B	135	08/21/2009	162	10	50.2
Malina	2B	135	08/21/2009	162	8	60.3
Malina	2B	135	08/21/2009	162	3	80
Malina	2B	345	08/14/2009	112	14	3.2
Malina	2B	345	08/14/2009	112	4	59.8
Malina	2B	345	08/14/2009	113	9	3.1
Malina	2B	345	08/14/2009	113	4	60.4
Malina	2B	345	08/14/2009	114	5	3.1
Malina	2B	345	08/14/2009	114	2	60
Malina	2B	345	08/14/2009	115	5	3.2

Malina	2B	345	08/14/2009	115	2	60
Malina	2B	345	08/15/2009	116 Bucket		0
Malina	2B	345	08/15/2009	116	2	60.6
Malina	2B	345	08/15/2009	117	9	3
Malina	2B	345	08/15/2009	117	4	60.1
Malina	2B	345	08/15/2009	118	2	60.2
Malina	2B	345	08/15/2009	119	14	3.1
Malina	2B	345	08/15/2009	119	4	60.1
Malina	2B	345	08/15/2009	120	9	2.9
Malina	2B	345	08/15/2009	120	3	60
Malina	2B	345	08/15/2009	121	9	3.1
Malina	2B	345	08/15/2009	121	4	60.5
Malina	2B	345	08/15/2009	122	5	3.3
Malina	2B	345	08/15/2009	122	2	60.4
Malina	2B	345	08/15/2009	123	5	3.3
Malina	2B	345	08/15/2009	123	2	59.8
Malina	2B	345	08/15/2009	124	23	3.2
Malina	2B	345	08/15/2009	124	8	56.8
Malina	2B	345	08/15/2009	125	23	3.6
Malina	2B	345	08/15/2009	125	9	69.8
Malina	2B	345	08/15/2009	126	19	3.4
Malina	2B	345	08/15/2009	126	10	60.2
Malina	2B	345	08/15/2009	127	4	61.1
Malina	2B	345	08/16/2009	128	6	3.3
Malina	2B	345	08/16/2009	128	3	70.2
Malina	2B	345	08/16/2009	129	11	2.9
Malina	2B	345	08/16/2009	129	4	74.7
Malina	2B	345	08/16/2009	130	11	2.9
Malina	2B	345	08/16/2009	130	6	65.5
Malina	2B	235	08/22/2009	164	24	3.1
Malina	2B	235	08/22/2009	164	5	74.9
Malina	2B	235	08/22/2009	165	24	3.1
Malina	2B	235	08/22/2009	165	7	75.1
Malina	2B	235	08/22/2009	167	24	3.2
Malina	2B	235	08/22/2009	167	5	75.1
Malina	2B	235	08/22/2009	168	24	3.2
Malina	2B	235	08/22/2009	168	5	75.1
Malina	2B	235	08/22/2009	169	15	3.3
Malina	2B	235	08/22/2009	169	4	74.9
Malina	2B	235	08/22/2009	170	14	3.4
Malina	2B	235	08/22/2009	170	7	75.2

Malina	2B	235	08/22/2009	171	15	3.4
Malina	2B	235	08/22/2009	171	5	74.8
Malina	2B	235	08/23/2009	172	5	74.9
Malina	2B	235	08/23/2009	173	15	3.4
Malina	2B	235	08/23/2009	173	5	74.7
Malina	2B	235	08/23/2009	174	12	3.2
Malina	2B	235	08/23/2009	174	5	75
Malina	2B	235	08/23/2009	175	15	3
Malina	2B	235	08/23/2009	175	5	74.9
Malina	2B	235	08/23/2009	176	24	2.9
Malina	2B	235	08/23/2009	176	5	75.1
Malina	2B	235	08/23/2009	177	15	3.3
Malina	2B	235	08/23/2009	177	5	74.9
Malina	2B	235	08/23/2009	178	16	3.1
Malina	2B	235	08/23/2009	181	23	3.2
Malina	2B	235	08/23/2009	181	10	74.5
Malina	2B	235	08/23/2009	182	16	3.4
Malina	2B	235	08/23/2009	182	8	75.1
Malina	2B	235	08/23/2009	183	16	3.1
Malina	2B	235	08/23/2009	183	6	74.7
Malina	2B	235	08/24/2009	184	12	2.9
Malina	2B	235	08/24/2009	185	15	3
Malina	2B	235	08/24/2009	185	5	75
Malina	2B	235	08/24/2009	186	19	3.1
Malina	2B	235	08/24/2009	186	9	74.9
Malina	2B	235	08/24/2009	187	15	3.2
Malina	2B	235	08/24/2009	187	5	75.1
Malina	2B	235	08/24/2009	188	12	3.5
Malina	2B	235	08/24/2009	188	5	75.1
Malina	2B	235	08/24/2009	190	23	3
Malina	2B	235	08/24/2009	190	23	3
Malina	2B	235	08/24/2009	190	13	44.8
Malina	2B	235	08/24/2009	190	13	44.8
Malina	2B	235	08/24/2009	190	8	74.9
Malina	2B	235	08/24/2009	190	8	74.9
Malina	2B	235	08/24/2009	190	11	54.7

Time [UTC]	Curve	$P_{\max}^B$ [mgC (mgChl) ⁻¹ h ⁻¹]
20:00:00	Rep1	1.796247847
20:00:00	Rep2	3.35803145
20:00:00	Rep3	3.913884458
19:59:00	Rep1	2.451999663
19:59:00	Rep2	4.879639995
19:59:00	Rep3	4.272911682
20:01:00	Rep1	2.994108271
20:01:00	Rep2	7.140238004
20:01:00	Rep3	6.373963379
20:06:00	Rep1	0.442079321
20:06:00	Rep2	0.901353976
20:06:00	Rep3	0.979420468
19:10:00	Rep1	0.483377996
19:10:00	Rep2	0.88114218
19:10:00	Rep3	0.86652946
19:05:00	Rep1	0.745542017
19:05:00	Rep2	1.184672165
19:05:00	Rep3	1.349727667
19:20:00	Rep1	0.070536128
19:20:00	Rep2	0.133825029
16:44:00	C1	1.297131505
16:44:00	C3	3.121591201
16:44:00	C4	2.27288052
16:44:00	C6	1.95743472
16:44:00	C7	2.772771385
19:10:00	C1	1.549029027
19:10:00	C3	2.858421718
19:10:00	C4	0.892021826
19:10:00	C5	2.227814131
19:10:00	C6	1.292208101
19:10:00	C7	1.16742107
22:46:00	C1	1.835446957
16:28:00	C1	2.036529046
16:28:00	C3	2.546480877
16:28:00	C4	1.275201081
16:28:00	C5	2.059576665
16:28:00	C6	1.386497155
16:28:00	C7	2.206095733
22:01:00	C1	3.199145565
22:01:00	C3	1.599602837

22:01:00 C4	2.091319826
22:01:00 C5	2.43274098
22:01:00 C6	1.435452166
22:01:00 C7	1.134284298
15:44:00 C1	2.508914654
15:44:00 C3	1.358177798
15:44:00 C4	1.005641486
15:44:00 C5	0.932645178
15:44:00 C6	0.980911548
22:07:00 C1	2.330913609
22:07:00 C3	1.232756724
22:07:00 C4	0.675198009
22:07:00 C5	0.261540499
22:07:00 C6	0.183983091
15:23:00 C1	3.45814916
15:23:00 C3	1.926572126
15:23:00 C4	1.334262133
15:23:00 C5	0.623814993
00:48:00 C1	1.385031648
00:48:00 C3	3.0180718
00:48:00 C4	0.110910551
00:48:00 C5	0.608816646
00:48:00 C6	0.899946898
16:08:00 C1	6.714958609
16:08:00 C3	3.784336049
16:08:00 C4	1.441509899
16:08:00 C5	1.051087573
16:08:00 C6	0.912662989
16:08:00 C7	0.56455103
14:48:00 C1	1.568761296
14:48:00 C3	1.443192822
14:48:00 C4	1.410115283
14:48:00 C6	0.706979083
14:48:00 C7	1.522719066
21:51:00 C1	3.108363424
21:51:00 C3	0.80241321
21:51:00 C4	0.870069606
21:51:00 C5	0.82183023
21:51:00 C6	0.586448671
21:51:00 C7	0.429731215
16:56:00 C1	2.128053142

16:56:00 C3	1.728833545
16:56:00 C4	0.740527235
16:56:00 C5	0.594197762
16:56:00 C6	0.256394706
16:56:00 C7	0.458087138
23:44:00 C1	3.01331976
23:44:00 C3	2.910317836
23:44:00 C4	1.224141716
23:44:00 C5	0.673236985
23:44:00 C6	0.387329117
23:44:00 C7	0.318526518
20:54:00 C1	1.674569254
20:54:00 C3	2.074626901
20:54:00 C4	1.896922655
20:54:00 C5	1.313965494
20:54:00 C6	0.292269423
20:54:00 C7	0.299469453
20:50:00 C1	2.04969249
20:50:00 C3	0.226171309
20:50:00 C5	0.282050413
20:50:00 C7	0.391280384
02:45:00 C1	1.513484554
02:45:00 C3	0.8350791
02:45:00 C4	0.83020714
02:45:00 C5	0.338406342
02:45:00 C6	0.566978394
02:45:00 C7	0.494815912
16:46:00 C1	2.559559299
16:46:00 C3	1.07211635
16:46:00 C4	0.664022774
16:46:00 C5	0.894798159
16:46:00 C6	0.720079822
16:46:00 C7	0.580670555
01:53:00 C3	0.904625594
01:53:00 C4	5.371382931
01:53:00 C5	2.997715363
01:53:00 C6	2.083655844
01:53:00 C7	2.073799789
20:02:00 C1	1.548383372
20:02:00 C3	2.486263193
20:02:00 C4	0.503554427

20:02:00	C5	0.955214816
20:02:00	C6	1.028125972
20:02:00	C7	0.341160773
17:24:00	C1	1.686138422
17:24:00	C3	1.146332132
17:24:00	C4	0.529205713
17:24:00	C5	0.741009512
17:24:00	C6	0.629723003
16:13:00	C1	2.415275897
16:13:00	C3	1.590190986
16:13:00	C4	0.841725873
16:13:00	C5	1.049194414
16:13:00	C6	0.688557191
16:13:00	C8	0.196192441
18:36:00	C1	1.104440607
18:36:00	C3	2.047277541
18:36:00	C6	0.911002576
18:36:00	C7	0.594054194
22:47:00	C1	0.928048015
22:47:00	C3	1.464573741
22:47:00	C6	0.537723638
22:47:00	C7	0.775488193
22:47:00	C8	0.113639208
02:25:00	C3	1.272199463
02:25:00	C6	1.833095599
02:25:00	C7	0.516052911
02:25:00	C8	0.503160559
20:26:00	C1	2.738864518
20:26:00	C3	2.590902086
20:26:00	C4	1.900890674
20:26:00	C5	1.204962252
20:26:00	C6	0.718466346
20:26:00	C7	0.736190848
20:26:00	C8	0.418425238
16:22	C1	0.627360129
16:22	C3	0.3407448
18:15	C1	1.428011658
18:15	C3	0.387217398
20:24	C1	1.63714372
20:24	C3	0.643783668
22:20	C1	1.986744149

22:20	C3	0.510500485
00:17	C1	512.8180236
00:17	C3	0.984633679
02:14	C1	1.013595008
02:14	C3	0.488859816
03:15	C3	0.369688005
06:16	C1	0.732542742
06:16	C3	0.327554627
08:12	C1	0.700699688
08:12	C3	0.41663012
10:18	C1	0.582725805
10:18	C3	0.561593701
12:15	C1	1.367611522
12:15	C3	0.311051063
14:20	C1	1.952904006
14:20	C3	0.654293856
16:18	C1	1.224116664
16:18	C3	0.511243262
18:17	C1	1.68405814
18:17	C3	0.4812903
20:15	C1	1.81172986
20:15	C3	0.571471869
22:17	C3	0.638823597
00:16	C1	1.835170994
00:16	C3	0.375947181
02:15	C1	1.048104441
02:15	C3	0.130506993
04:21	C1	1.464402749
04:21	C3	0.442321486
08:30	C1	0.465460011
08:30	C3	0.292687068
10:37	C1	1.706101123
10:37	C3	0.436392353
14:12	C1	1.502340845
14:12	C3	0.161402438
16:21	C1	548.4303746
16:21	C3	0.313533789
18:23	C1	2.802649874
18:23	C3	0.318052697
20:20	C1	2.292426349
20:20	C3	0.404815306

22:26	C1	2.541409736
22:26	C3	0.257795575
00:13	C3	0.292454485
02:22	C1	1.398362879
02:22	C3	0.30575764
04:22	C1	1.197430189
04:22	C3	0.193417192
06:15	C1	0.757997844
06:15	C3	0.31411286
08:10	C1	1.248959525
08:10	C3	0.194236329
10:19	C1	1.754852034
10:19	C3	0.205760688
12:14	C1	1.669535049
18:25	C1	2.69069762
18:25	C3	0.314367016
20:20	C1	1.652039207
20:20	C3	0.264235199
22:16	C1	1.666563314
22:16	C3	0.234440243
00:13	C1	1.22559453
02:16	C1	1.56874249
02:16	C3	0.223459518
04:40	C1	1.0243555
04:40	C3	0.203016308
06:25	C1	4.502125789
06:25	C3	0.092700363
08:15	C1	0.849699847
08:15	C3	0.257666255
12:23	C1	1.4579234
12:23	C3	1.880187052
12:23	C4	1.50464133
12:23	C5	1.441576541
12:23	C6	0.83805824
12:23	C7	0.334987206
12:23	C8	0.734681236

Alpha^B [mg C (mg chl *a*)⁻¹ h⁻¹ (μmol quanta m⁻² s⁻¹)⁻¹]

0.019828613
0.043478866
0.039183736
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0.046004338
0.0801966
0.07474866
0.007309474
0.011569842
0.015173324
0.00477638
0.0126548
0.010818679
0.010221494
0.010763534
0.022074474
0.000766856
0.001351437
0.036685187
0.038741403
0.034138952
0.111066301
0.170216666
0.015041548
0.042925278
0.021859469
0.041319143
0.054765582
0.073290621
0.023707724
0.020788663
0.064162641
0.022826008
0.101293821
0.099900011
0.12167862
0.061961853
0.06113829

0.062463317
0.073795186
0.056343582
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0.018300559
0.03907129
0.116357027
0.040955457
0.02708141
0.021368303
0.008502666
0.01725545
0.048723921
0.073408588
0.086403546
0.019506538
0.007045987
0.063768654
0.018094983
0.031264738
0.107996289
0.114565725
0.105348042
0.064430741
0.064055887
0.051547479
0.069338582
0.037349843
0.037816132
0.051828645
0.040502117
0.08370987
0.053084246
0.019294281
0.023201856
0.04243412
0.032102239
0.031043157
0.02157893

0.069403893
0.024795131
0.023644435
0.012539185
0.068975828
0.061560898
0.088299796
0.054153305
0.034593353
0.04120546
0.03248478
0.02803192
0.172717468
0.164950678
0.039705343
0.041841004
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0.024584431

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0.017323345

0.070861954
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0.028690328
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0.049428453
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0.024743526
0.022055533
0.014964462
0.021410883
0.051639519
0.022200381
0.04207293
0.018918309
0.01755755
0.014864226
0.073844161
0.026040411
0.037760393
0.105377009
0.077564638
0.155648195
0.045104046
0.040197555

Beta ^B [mg C (mg chl <i>a</i>) ⁻¹ h ⁻¹ (μmol quanta m ⁻² s ⁻¹) ⁻¹]	E _k [μmol quanta m ⁻² s ⁻¹]
2.77546E-16	90.58867758
2.77546E-12	77.23364785
0.002798241	99.88543275
0.002262973	86.73208221
0.001505006	75.98725459
0.003427072	112.6905883
0.001012772	65.08317328
2.5035E-05	89.03417332
1.08755E-11	85.2719417
1.12499E-20	60.48032293
0.000357324	77.90547115
8.37475E-05	64.54883843
0.000277734	101.2017394
0.000237862	69.62908664
0.000187234	80.09567795
3.53607E-16	72.93865237
0.000866814	110.0634986
0.000596576	61.14427216
5.16071E-05	91.9809589
1.4331E-06	99.02421856
0.001833396	155.6513152
0.037521624	80.57506893
0.000849771	66.57733736
0.001280458	17.62402006
1.38639E-16	16.28965867
0.000929084	74.23908962
0.015898251	66.59063929
0.01009214	40.80711344
0.000977254	53.91723911
0.008931259	23.59525919
1.16727E-14	15.92865581
0.001891154	58.23261378
0.000245795	97.96344486
0.000790167	39.68790595
0.001268231	55.86614493
0.003396224	20.33269789
0.001305496	13.87884892
0.021406206	18.13051248
0.001827998	131.7535615
1.45138E-09	26.16368299

0.002795896	33.48076789
1.55635E-15	32.96612015
1.87564E-12	25.47676455
1.97114E-08	23.42341233
0.000762591	79.65272762
2.89855E-12	43.61271271
0.018909014	54.9514079
3.66166E-13	23.87034541
0.000864003	8.430187468
0.001123589	56.91338295
0.001491998	45.52040453
0.000111955	31.59811087
8.36873E-05	30.75982126
0.000306195	10.66231778
0.002047934	70.9743611
0.000616844	26.24450613
0.001026156	15.44221495
4.10004E-16	31.97979097
7.15308E-12	196.5702726
0.000568751	47.32845397
9.18024E-05	6.129353633
0.013500683	19.47294878
0.005511338	8.333128008
0.003569749	58.61228206
0.00560542	35.92222486
0.000578957	22.37301453
0.103179929	16.4089145
0.002593432	17.7052884
0.000432921	8.141946557
0.000651574	42.00181819
0.001896513	38.16341689
1.99601E-15	27.20725741
0.000739482	17.4553611
0.005216074	18.19043649
0.000616962	58.55529028
0.000669097	41.58813697
1.16009E-14	37.5
0.00070021	19.36720324
0.002942151	18.26815466
0.003111439	13.84302539
0.001256983	126.9738375

0.000246399	24.90974899
7.87402E-14	29.86583293
0.01013411	25.13055501
0.000626959	20.44747778
0.000458629	6.641270584
0.000801737	48.94860015
0.000587233	32.95950804
0.000177639	22.6051157
0.001031053	19.46145498
4.04367E-10	9.399946485
0.000839276	9.805408028
0.000641521	59.73794353
0.00041355	12.01167971
0.000350016	11.49993854
0.001326669	33.09291383
0.00125523	6.985239211
6.23269E-06	4.559135418
0.000895325	72.17439456
0.000197628	114.4426825
1.19048E-09	13.34503776
0.000800792	11.52814432
0.001904762	122.2429832
0.001927195	13.92792642
0.000678148	9.387295422
0.000758423	14.33630139
0.002019276	9.745684058
1.06496E-12	9.933078139
0.000421361	55.98622952
2.84091E-06	17.79734761
0.001617251	24.52657191
0.000752773	14.49756704
3.04229E-12	9.666118377
4.00802E-09	4.632678853
0.00115771	49.26386961
0.00797662	24.19581632
0.000636556	29.43960654
1.73623E-12	20.9570947
0.001925915	23.18785437
0.00079369	100.624886
0.001641176	16.23747421
1.02459E-08	20.48265505

0.00264405	18.20079851
0.002526157	4.994917083
0.000838235	7.191858674
0.000452112	60.87220899
0.000291564	19.7101806
1.39082E-08	31.49055282
1.54392E-09	12.98798946
0.000372831	7.470314132
0.000168348	39.44174255
0.001041756	50.44625295
0.002055638	30.69111612
0.000649305	11.71924902
0.000388908	9.321671418
7.92593E-05	19.81814558
0.002256194	158.253481
0.000363615	19.16173506
4.84361E-07	53.4392474
3.48311E-13	12.77408722
0.00021171	82.46291761
0.000379193	25.74603279
0.002359358	33.14025727
0.003776932	17.39470562
4.19992E-11	28.63212194
0.003395995	28.79632265
0.011568151	30.96497398
7.80417E-05	11.35820665
0.002290086	13.20176688
0.000577927	93.98722618
0.005977333	79.11322199
0.017699379	52.34386002
0.004098361	33.6012331
0.002819856	23.50930363
0.001396015	15.38768774
0.000652656	5.024728188
0.000469444	115.0729987
0.004604744	13.22819037
0.000207232	54.45721635
3.72301E-08	7.511023824
0.000220171	53.65088638
0.001284574	0
0.004024409	114.6859417

0.000462393	7.204154817
-1.32766516	2.27028E-05
8.12348E-08	14.69478924
0.003242054	91.1662944
0.000837845	10.22030243
2.18531E-08	19.56188736
0.000263916	44.24695807
0.000586827	11.36639348
0.00097119	108.8440672
1.92123E-08	16.04848225
0.00269538	111.8276455
0.000987693	10.74955082
0.001124604	91.71293667
0.000744064	12.69319786
0.000392888	37.41357329
2.32342E-07	8.741426035
0.00084461	146.7116227
0.00168186	7.61151246
1.57978E-05	35.34951268
0.003987733	13.64988523
0.000272449	65.68445005
2.28102E-09	12.93443937
0.000457544	11.26926227
0.000929264	81.87897619
2.52717E-10	11.93045778
0.001416704	51.76312041
2.59875E-08	20.52045887
0.000766055	106.4018787
0.000172558	2.816169869
0.000357548	61.80159443
0.000373026	4.782655977
0.002323009	38.55788539
0.000581413	4.110140869
0.000547493	51.94923153
0.000306768	6.887286909
0.17103944	0.00343145
0.000492629	4.459615
0.000307592	52.67146572
0.205521823	18.88831319
0.00032536	68.89011518
0.000874141	5.753769126

0.00050028	67.69378394
13.68999007	28.77590875
0.001505262	12.6995302
0.000321998	76.13826343
0.000150659	7.345569706
0.000229016	41.5429842
1.548375173	7.01623271
0.000473028	55.73834528
1.97376E-05	2.918646308
0.000551294	53.03727021
0.000411928	2.820699122
0.000396759	45.13862277
0.001051056	7.171778805
0.001230086	58.02127648
0.000365261	28.61291304
0.000403993	6.360041622
0.000282503	53.54618873
0.003674079	13.7214611
0.000266414	44.10076165
0.00038795	10.62954337
0.000486572	51.07838206
0.004633874	60.88957293
0.000165297	4.32729668
0.000735923	50.56567431
0.000451637	4.825342724
0.000101497	14.84679193
0.000156067	5.27980066
0.001831054	51.56781381
0.000184065	3.489324682
0.0010299	53.36979241
0.002562187	49.79257154
0.000623241	14.27864901
0.000975557	18.58548652
0.000228494	5.384310697
3.46981E-08	7.426987984
0.000945132	18.27676425

Quality_FLAG

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