

LMG 07-01

**Cast:** 001

**Event:** 007

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/07	607	22:20	65°28.741	66°08.777	500.060	317	
Bottom	2006/ "	"	22:31					
End	2006/		22:59	65 28.600	66 08.530		316	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1		X	
File Name	G701001	Pressure 2			
Audio Tape		Temperature 1		X	
		Temperature 2		X	
		Conductivity 1		X	
		Conductivity 2		X	
		Oxygen 1		X	
		Oxygen 2		X	
		Pump 1		X	
		Pump 2		X	
		Transmissometer		X	
		Scatterometer			
		Fluorometer		X	
		Altimeter			

## Comments

WELCOME TO LTER 2007!!

Software Set to a 12 Bottle Rosette, so  
Battles 13-24 say 12

PAR Cals wrong, Fixed Cal files

See Back of Log Sheet for Underway Log

LTER

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Cast: 1

Event: 7

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	310	22:31	307	OOPS			
2	310	:					
		:					
3	250	22:34	250.3	1.082	2.9226	-0.47	
4	250	:					
		:					
5	200	22:37	199.7	0.846	2.9471	-0.031	
6	200	:					
		:					
7	150	22:39	149.8	0.412	2.8969	-0.031	
8	150	:					
		:					
9	125	22:41	124.4	-0.097	2.8392	0.032	
10	125	:					
		:					
11	100	22:43	100.0	-0.547	2.7812	0.048	
12	100	:					
		:					
13	79	22:47	79.2	-0.433	2.7130	0.048	
14	79	:					
		:					
15	33	22:50	33.3	1.115	2.9075	0.620	
16	33	:					
		:					
17	21.5	22:52	21.4	1.339	2.9214	0.699	
18	21.5	:					
		:					
19	11.5	22:55	12	1.611	2.9370	0.953	
20	11.5	:					
		:					
21	4.5	22:57	4.4	1.696	2.9433	0.714	
22	4.5	:					
		:					
23	SURF	22:58	1.78	1.773	2.9424	0.683	
24	SURF	:					



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Nominal Station: 600.040

Cast: 002

Event: 15

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	008	10:22	64°55.95	64 24.85	600.040	1239	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	unp	Pressure 1			
File Name	8701002	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

## Comments

Primary T, S, & O's seemed to decide on a vacation @ 790m  
Sensors came back on the upcast ~ 250m...

PAR calcs wrong, fix can file

See Back of Log Sheet for Underway Log

LTER

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Cast: 02

Event: 015

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	10 :50	12.15	1.51	34.668	-0.063	
2	BOTT	:					
		:					
3	1000	10 :56	1000	1.50	34.666	-0.047	
4	1000	:					
		:					
5	750	11 :03	725	1.47	34.661	-0.063	
6	750	:					
		:					
7	500	11 :09	500	1.41	34.634	-0.063	
8	500	:					
		:					
9	200	11 :17	200	1.07	34.52	-0.031	
10	200	:					
		:					
11	100	11 :20	100	0.80	34.32	0.032	
12	100	:					
		:					
13	52	11 :23	52	0.532	34.00	1.096	
14	52	:					
		:					
15	23.5	11 :25	23.5	1.016	33.76	1.826	
16	23.5	:					
		:					
17	17.5	11 :26	17.5	0.906	33.66	2.35	
18	17.5	:					
		:					
19	11	11 :27	11	0.918	33.61	2.28	
20	11	:					
		:					
21	5	11 :29	5	0.93	33.60	1.76	
22	5	:					
		:					
23	SURF	11 :30		0.97	33.57	1.35	
24	SURF	:					



Event: 030

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	068	18 : 45	64°48.899	64°43.051	600.060	180	
Bottom	2006/		18 : 52	64°48.880	64°43.110		178	
End	2006/		19 : 18	64°43.890	64°43.420		158	

		Sensors	Serial Number	New?	
				Yes	No
Technician	Fwas	Pressure 1			+
File Name	G701003	Pressure 2			+
Audio Tape		Temperature 1			+
		Temperature 2			+
		Conductivity 1			+
		Conductivity 2			+
		Oxygen 1			+
		Oxygen 2			+
		Pump 1			+
		Pump 2			+
		Transmissometer			+
		Scatterometer			
		Fluorometer			+
		Altimeter			

[illegible]

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Cast: 03

Event: 30

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	200	18 :52	172.56	1.0479	2.9617	0.0641	
2	200	:					
		:					
3	150	18 :55	150.0	1.0217	2.9555	0.1594	
4	150	:					
		:					
5	125	18 :58	124.9	0.9790	2.9457	0.1911	
6	125	:					
		:					
7	100	19 :00	100.4	0.9272	2.9369	0.2864	
8	100	:					
		:					
9	75	19 :02	75.1	0.9416	2.9306	0.5080	
10	75	:					
		:					
11	48.5	19 :05	48.2	0.8745	2.9117	0.8260	
12	48.5	:					
		:					
13	31	19 :07	30.9	1.0597	2.9181	1.0641	
14	31	:					
		:					
15	21	19 :10	21.14	1.5665	2.9500	2.7308	
16	21	:					
		:					
17	16	19 :12	15.8	1.5954	2.9505	2.7784	
18	16	:					
		:					
19	9.5	19 :14	9.45	1.6262	2.9506	2.9530	
20	9.5	:					
		:					
21	4	19 :16	4.44	1.6244	2.9503	2.5086	
22	4	:					
		:					
23	SURF	19 :17	2.99	1.6231	2.9501	2.0641	
24	SURF	:					



Event: 43

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/09	009	11:58	64°41.783	65°02.808	600.080	474	
Bottom	2006/		12:12	41.25	02.84			
End	2006/		12:37	41.70	63.15		486	

		Sensors	Serial Number	New?	
				Yes	No
Technician	wp	Pressure 1			
File Name	g 701004	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

[illegible]

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Cast: 004

Event: 0043

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature °C	Conductivity (PSU)	Fluoro meter	Salts
		:					
1	BOTT	12:12	466	1.52	34.68	-0.063	
2	BOTT	:					
		:					
3	300	12:18	300	1.32	34.63	-0.079	
4	300	:					
		:					
5	200	12:21	200	1.053	34.54	-0.063	
6	200	:					
		:					
7	100	12:24	100	-0.241	34.18	-0.001	
8	100	:					
		:					
9	75	12:26	75	-0.205	34.06	0.017	
10	75	:					
		:					
11	52.5	12:28	52.5	1.07	33.91	2.001	
12	52.5	:					
		:					
13	45.5	12:30	45.5	1.06	33.92	2.01	
14	45.5	:					
		:					
15	28.5	12:31	28.5	1.09	33.92	2.112	
16	28.5	:					
		:					
17	21.5	12:32	21.8	1.08	33.92	1.953	
18	21.5	:					
		:					
19	10	12:34	10	1.09	33.92	0.715	
20	10	:					
		:					
21	7	12:35	7	1.09	33.91	0.763	
22	7	:					
		:					
23	SURF	12:36	5				
24	SURF	:	SURF	1.096	33.91	0.558	



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Cast: 005

Event: 050

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/09	009	20:41	64 34.500	65 20.770	600.100	629	
Bottom	2006/		21:06	64 34.450	65 21.610		624	
End	2006/		21:37	64 34.370	65 21.920		620	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure 1			X
File Name	G701005	Pressure 2			
Audio Tape	————	Temperature 1			X
		Temperature 2			X
		Conductivity 1			X
		Conductivity 2			X
		Oxygen 1			X
		Oxygen 2			X
		Pump 1			X
		Pump 2			X
		Transmissometer			X
		Scatterometer			
		Fluorometer			X
		Altimeter			

## Comments

@ ~520m Pt: temp, Pri + Sec Oxy failed
Par calcs wrong, fixed con file
T -2.2
Sal 33.35
Oxy 0.8 ml
PI 0.5
T 50 100
Par
See Back of Log Sheet for Underway Log
Dens 25.36

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Cast: 005

Event: 050

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	21:06	599.4	1.5446	3.0406	-0.0628	
2	BOTT	:					
		:					
3	400	21:13	400.3	1.4572	3.0203	-0.0628	
4	400	:					
		:					
5	300	21:16	300.6	1.3067	3.0004	-0.0628	
6	300	:					
		:					
7	200	21:19	200.8	0.9283	2.9559	-0.0787	
8	200	:					
		:					
9	100	21:22	100.3	0.0618	2.8558	-0.0165	
10	100	:					
		:					
11	75	21:24	74.8	-0.0404	2.8306	0.3340	
12	75	:					
		:					
13	53	21:26	53.2	1.0415	2.9116	2.6514	
14	53	:					
		:					
15	27	21:29	27.6	1.0446	2.9110	2.580	
16	27	:					
		:					
17	20	21:30	20.2	1.0423	2.9104	2.4610	
18	20	:					
		:					
19	10	21:32	10.3	1.0475	2.9104	2.3340	
20	10	:					
		:					
21	5	21:35	5.8	1.0494	2.9105	1.9054	
22	5	:					
		:					
23	SURF	21:36	2.01	1.0495	2.9101	1.47	
24	SURF	:					



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Cast: 006

Event: 0064

Nominal Station: 400.124

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/00	010	08:47	64°27.270	65°39.137	600.120	547	
Bottom	2006/		:	22.18	39.27		538	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	120	Pressure 1			
File Name	g 701006	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

## Comments

Changed O<sub>2</sub>, PAR, Fluorometer ~~sensor~~ cables & corresponding configs.

Once again, lost PRT, both Oxygen on the way up. Came back @ 220m

Par calls wrong fixed con file

**See Back of Log Sheet for Underway Log**

LTER

LMG 06-01

Cast: 006

Event: 0064

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity S/m / PSU	Fluoro meter	Salts
		:					
1	BOTT	:	527.75 m	1.51	3.03/34.64	-0.09	
2	BOTT	:					
		:					
3	400	09:04	399.9 db	1.46	3.02/34.65	-0.07	
4	400	:	345.0 m				
		:					
5	300	09:08	301.5 db	1.36	3.00/34.61	-0.09	
6	300	:	298.7 m				
		:					
7	200	09:12	199.9 db	1.08	2.97/34.55	-0.09	
8	200	:	197.6 m				
		:					
9	100	09:16	99.74 db	0.37	2.82/34.24	0.03	
10	100	:	98.75 m				
		:					
11	54	09:18	54.0 db	0.99	2.90/33.91	2.84	
12	54	:	53.6 m				
		:					
13	42	09:20	42.0 db	0.99	2.90/33.91	2.65	
14	42	:	41.8 m				
		:					
15	26	09:21	25.6 db	0.99	2.90/33.91	2.63	
16	26	:	25.3 m				
		:					
17	21	09:23	21.6 db	0.99	2.90/33.90	2.54	
18	21	:	21 m				
		:					
19	10	09:25	10 db	0.99	2.90/33.90	1.85	
20	10.	:	10 m				
		:					
21	4	09:26	4 db	1.00	2.90/33.90	1.69	
22	4	:	4 m				
		:					
23	SURF	09:27	2 m	1.01	2.90/33.90	1.57	
24	SURF	:	Surf				



Event:  $\phi 71$

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/10	010	11:10	64.20	65.57.45	600.140	323	
Bottom	2006/		11:21	19.95	57.5			
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	uif	Pressure 1			
File Name	8701007	Pressure 2			
Audio Tape	8	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

## Comments

lost CR 235m ← due to Bad Cals, fix can file  
MISSED FIRING AT 75 & 43 m depths,  
so bottle sequence is off.  
MY BAD. Got distracted by ~~people~~ people.

LTER

LMG 06-01

Cast: 007

Event: 0071

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	11:21	317m	1.54	3.02 S/m	-0.09	
2	BOTT	:	321db		34.68 PSU		
		:					
3	100	11:25	197m	1.15	2.97 S/m	-0.07	
4	100	:	199db		34.57 PSU		
		:					
5	100	11:29	98.9m	-0.10	2.84 S/m	-0.01	
6	100	:	99.9db		34.30 PSU		
		:					
7	75	11:30	75m	-0.49	2.80 S/m	+0.04	
8	75	:	75.3db		34.19 PSU		
		:					
9	50	11:32	49.9m	1.01	2.90 S/m	2.44	
10	50	:	50.1db		33.90 PSU		
		:					
11	43	11:34	42.6m	1.02	2.91 S/m	2.58	
12	43	:	43db		33.90 PSU		
		:					
13	35	11:35	35.0m	1.02	2.90 S/m	2.52	
14	35	:	35.3db		33.90 PSU		
		:					
15	24	11:37	23.9m	1.03	2.90 S/m	2.33	
16	24	:	24db		33.90 PSU		
		:					
17	16	11:39	15.9m	1.04	2.90 S/m	1.41	
18	16	:	16db		33.9 PSU		
		:					
19	10	11:43	10m	1.04	2.90 S/m	1.70	
20	10	:	10db		33.9 PSU		
		:					
21	5	11:45	5m	1.04	2.90 S/m	0.88	
22	5	:	5db		33.90 PSU		
		:					
23	0	11:46		1.04	2.90	0.92	
24	0	:					



**Event:** 081

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/10	010	15:37	64 12.720	66 15.604	600.160	424	
Bottom	2006/		15:50	64 12.616	66 15.600		425	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G70100b	Pressure 2			
Audio Tape		Temperature 1			X
		Temperature 2			X
		Conductivity 1			X
		Conductivity 2			X
		Oxygen 1			X
		Oxygen 2			X
		Pump 1			X
		Pump 2			X
		Transmissometer			X
		Scatterometer			
		Fluorometer			X
		Altimeter			

## Comments

PAR stop working @ 55m  
 ↑ problem due to wrong calcs in con file  
 fix con file

LTER

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Cast: 008

Event: 0081

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	15:51	404.1	1.5774	3.0351	-0.787	
2	BOTT	:					
		:					
3	275	15:55	276.1	1.7050	3.0392	-0.0787	
4	275	:					
		:					
5	200	15:58	200.0	1.2550	2.9704	-0.0787	
6	200	:					
		:					
7	150	16:00	150.6	1.0352	2.9632	-0.787	
8	150	:					
		:					
9	100	16:03	100.2	0.0486	2.8605	-0.0152	
10	100	:					
		:					
11	60.5	16:05	60.6	0.3472	2.8558	1.048	
12	60.5	:					
		:					
13	55	16:06	55.1	1.1715	2.9218	1.8895	
14	55	:					
		:					
15	33	16:08	33.3	1.2450	2.9268	1.5880	
16	33	:					
		:					
17	24.5	16:10	24.8	1.2473	2.9264	1.4292	
18	24.5	:					
		:					
19	13	16:11	13.1	1.2563	2.9266	0.4927	
20	13	:					
		:					
21	5.5	16:13	5.3	1.2544	2.9260	0.4292	
22	5.5	:					
		:					
23	SURF	16:14	0.17	1.2546	2.9266	0.3082	
24	SURF	:					

FL Cals  
Pic Prob  
w FL

**Event:** 091

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/10	010	20:17	64 5.320	66 33.590	600.180	1761	
Bottom	2006/01/10	010	21:01	64 5.268	66 33.610	600.180	1784	
End	2006/		21:59	64 5.400	66 33.376		1685	

		Sensors	Serial Number	New?	
				Yes	No
Technician	PWAS	Pressure 1			X
File Name	G701010	Pressure 2			
Audio Tape	—	Temperature 1			X
		Temperature 2			X
		Conductivity 1			X
		Conductivity 2			X
		Oxygen 1			X
		Oxygen 2			X
		Pump 1			X
		Pump 2			X
		Transmissometer			X
		Scatterometer			
		Fluorometer			X
		Altimeter			

## Comments

No PAR



LTER

LMG 06-01

Cast: 009

Event: 0091

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	21:02	180.9	0.7034	3.0222	-0.1105	
2	BOTT	:					
		:					
3	1200	21:18	1200.5	1.1103	3.0325	-0.1105	
4	1200	:					
		:					
5	750	21:29	749.3	1.4813	3.0454	-0.0946	
6	750	:					
		:					
7	350	21:40	350.9	1.8470	3.0558	-0.0727	
8	350	:					
		:					
9	200	21:44	200.9	1.4037	2.9997	-0.0311	
10	200	:					
		:					
11	125	21:47	125.1	-0.1402	2.8434	0.1911	
12	125	:					
		:					
13	81.5	21:50	81.7	-1.3421	2.7218	1.1753	
14	81.5	:					
		:					
15	48	21:52	48.5	1.1781	2.9157	1.0165	
16	48	:					
		:					
17	27.5	21:54	27.7	1.6851	2.9653	0.3975	
18	27.5	:					
		:					
19	17.5	21:56	17.4	1.7473	2.9697	0.3340	
20	17.5	:					
		:					
21	7	21:57	7.5	1.7454	2.9688	0.2664	
22	7	:					
		:					
23	0	21:58	1.98	1.7405	2.9685	0.2367	
24	0	:					

Event: 103

Event: 103

LTER

LMG 06-01

Cast: 010

Event: 0103

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	23 : 26	304.4	0.4430	3.0487	-0.1105	
2	BOTT	:					
		:					
3	2000	23 : 48	2000.3	0.7623	3.0354	-0.1105	
4	2000	:					
		:					
5	1000	00 : 09	1000.3	1.4670	3.0553	-0.1105	
6	1000	:					
		:					
7	500	00 : 20	500.4	1.8551	3.0643	-0.0787	
8	500	:					
		:					
9	300	00 : 23	300.1	1.9802	3.0622	-0.0787	
10	300	:					
		:					
11	100	06 : 30	100.8	-1.1195	2.7478	0.5245	
12	100	:					
		:					
13	84.5	00 : 32	84.0	-1.3849	2.7192	0.6356	
14	84.5	:					
		:					
15	45	00 : 36	45.6	1.3964	2.9416	1.2546	
16	45	:					
		:					
17	32.5	00 : 38	32.6	1.5791	2.9557	1.1276	
18	32.5	:					
		:					
19	16	00 : 40	16.6	1.8660	2.9779	0.7467	
20	16	:					
		:					
21	6	00 : 42	6.1	1.9985	2.9927	0.7467	33.2821
22	6	:					33.277
		:					
23	SURF	00 : 43	1.45	2.1449	3.0006	0.7308	
24	SURF	:					



LTER LMG 07-01

Cast: 011

Event: 116

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/12	012	08:56	63°50.563	67°08.956	600.220	3140	
Bottom	2006/		09:13	63 50.560	67 08.620			
End	2006/		09:44	63 50.49	67 08.210			

		Sensors	Serial Number	New?	
				Yes	No
Technician	msd	Pressure 1			
File Name	0701011	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

## Comments

PAR Bottomed out @ 3.4268 — scale factor off? Seems too high.

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 011

Event: 116

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	600	09:13	601m	1.91	34.71	-0.07	
2	600	:	608db				
		:					
3	450	09:18	446m	1.94	34.67	-0.07	
4	450	:	450db				
		:					
5	350	09:22	346m	1.96	34.64	-0.07	
6	350	:	350db				
		:					
7	250	09:26	249m	1.72	34.53	-0.00	
8	250	:	250db				
		:					
9	150	09:29	148.5m	0.85	34.33	-0.04	
10	150	:	150db				
		:					
11	91.5	09:33	90m	-0.28	34.13	0.16	
12	91.5	:	90.5db				
		:					
13	76	09:34	75.7m	-1.26	34.04	0.31	
14	76	:	76db				
		:					
15	44	09:37	44m	-1.20	33.98	0.88	
16	44	:	44db				
		:					
17	34	09:39	34	-1.05	33.93	1.31	
18	34	:					
		:					
19	18	09:41	18	+1.3	33.84	1.63	
20	18	:					
		:					
21	7	09:42	7	2.16	33.79	0.84	
22	7	:					
		:					
23	SURF	09:44		2.17	33.80	0.81	
24	SURF	:					



Event: 125

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/12	012	12:44	63 35.39	67 44.13	600.260	3419	
Bottom	2006/		14:01	63 35.75	67 43.39		3418	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	up	Pressure 1			
File Name	8701012	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

[illegible]

LTER

LMG 06-01

Cast: 012

Event: 0125

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
	1	:					
1	BOTT	14:01	3378m	0.44	34.70	-0.07	
2	BOTT	:	3436db				
		:					
3	2000	14:29	1971m	0.97	34.71	-0.09	
4	2000	:	2000db				
		:					
5	1000	14:49	987m	1.70	34.73	-0.07	
6	1000	:	1000db				
		:	(meters)				
7	380	15:01	380.3	2.1221	3.0752	-0.079	
8	380	:					
		:					
9	150	15:07	150.1	0.4240	2.8896	-0.047	
10	150	:					
		:					
11	80.5	15:11	81.0	-1.4367	2.7130	0.191	
12	80.5	:					
		:					
13	63	15:13	63.1	-1.4577	2.7672	0.296	
14	63	:					
		:					
15	38	15:16	37.7	0.9553	2.8964	1.207	
16	38	:					
		:					
17	28	15:18	28.1	1.6287	2.9484	0.588	
18	28	:					
		:					
19	17	15:20	17.0	2.2224	3.0016	0.112	
20	17	:					
		:					
21	8	15:22	7.8	2.3376	3.0070	0.017	
22	8	:					
		:					
23	SURF	15:23	3.60	2.3465	3.0083	0.017	
24	SURF	:					



LMG 07-01

**Cast:** 013

Event: 3

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/12	012	23:22	64°29.009	68°35.266	500.220	2321	
Bottom	2006/		23:39	64°28.970	68°35.675		2314	
End	2006/		00:12	64°28.820	68°34.940		2342	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			✓
File Name	G701013	Temperature 1			✓
Con File	LMG07018	Temperature 2			✓
		Conductivity 1			✓
		Conductivity 2			✓
		Oxygen 1			✓
		Oxygen 2			✓
		Pump 1			✓
		Pump 2			✓
		Transmissometer			✗
		Fluorometer			✗

## Comments

Stopped @ 600m

See Back of Log Sheet for Underway Log

LTER

LMG 07-01

Cast: 013

Event: 131

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	600	23:40	606.5	1.7908	34.7196	-0.095
2	600	:				
		:				
3	450	23:44	449.9	1.9077	34.6989	-0.079
4	450	:				
		:				
5	350	23:48	350.5	1.9633	34.6724	-0.071
6	350	:				
		:				
7	250	23:51	250.4	1.9300	34.6185	-0.071
8	250	:				
		:				
9	150	23:55	150.2	1.6046	34.4258	-0.063
10	150	:				
		:				
11	80.5	23:59	79.8	-1.3575	34.0677	0.175
12	80.5	:				
		:				
13	67.5	00:02	667.61	-1.3453	34.0053	0.747
14	67.5	:				
		:				
15	41.5	00:05	41.3	1.4770	33.9086	1.286
16	41.5	:				
		:				
17	28.5	00:07	28.4	1.6801	33.9022	1.191
18	28.5	:				
		:				
19	17	00:08	17.3	2.0143	33.8939	0.937
20	17	:				
		:				
21	6	00:11	5.9	2.6552	33.8930	0.874
22	6	:				
		:				
23	SURF	00:11	1.18	2.0417	33.8935	0.874
24	SURF	:				

TSG  
33782

**Nominal Station:**

Cast:  $\phi 14$

Event: 143

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/13	013	08:57	64 36.58	68 17.56	500.200	2722	
Bottom	2006/		09:55	64 36.59	68 17.35		2721	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	unp	Pressure			
File Name	g701014	Temperature 1			
Config File	e701b	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			

## Comments

- No Par, deep.

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 014

Event: 143

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	09:55	26.73	0.40	34.70	-0.09
2	BOTT	:				
		:				
3	1500	10:20	1500	0.91	34.71	-0.11
4	1500	:				
		:				
5	500	10:41	500	0.82	34.70	-0.07
6	500	:				
		:				
7	320	10:46	319.6	1.99	34.66	-0.07
8	320	:				
		:				
9	125	10:53	124.6	0.26	34.32	0.14
10	125	:				
		:				
11	73	10:54	<del>73.4</del> 73	-1.36	34.07	0.84
12	73	:				
		:				
13	63	10:56	63	-1.25	34.03	1.31
14	63	:				
		:				
15	40	10:58	40.5	0.61	33.92	1.09
16	40	:				
		:				
17	28	11:00	28	1.22	33.91	1.20
18	28	:				
		:				
19	14.5	11:01	14.5	1.54	33.89	0.92
20	14.5	:				
		:				
21	6	11:03	6	1.55	33.89	0.61
22	6	:				
		:				
23	SURF	11:04	SURF	1.55	33.84	0.86
24	SURF	:				

LTER LMG 07-01

Cast:  $\phi 15$ 

Event: 149

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	013	12:57	64 44.13	67 59.46	500.180	407	
Bottom	2006/		13:03	64 44.7	67 59.41			
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WP	Pressure			
File Name	0701015	Temperature 1			
Config File	7016	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			

## Comments

PAR ON

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast:

015

Event: 149

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	13:03	389	1.52	34.69	-0.09
2	BOTT	:				
		:				
3	300	13:05	300	1.56	34.67	-0.07
4	300	:				
		:				
5	200	13:08	200	1.11	34.53	-0.07
6	200	:				
		:				
7	150	13:10	150	0.63	34.44	-0.01
8	150	:				
		:				
9	100	13:13	100	-0.54	34.24	0.08
10	100	:				
		:				
11	82.5	13:14	82.5	-1.10	34.11	0.04
12	82.5	:				
		:				
13	71.5	13:16	71.5	-1.27	34.07	0.06
14	71.5	:				
		:				
15	50	13:18	49.5	-0.12	33.95	0.33
16	50	:				
		:				
17	29	13:20	29	1.20	33.91	0.17
18	29	:				
		:				
19	13	13:21	13.2	1.47	33.91	0.04
20	13	:				
		:				
21	8	13:22	8	1.47	33.91	0.01
22	8	:				
		:				
23	0	13:23	2.4	1.48	33.91	-0.01
24	0	:				



LTER LMG 07-01

Cast: 16

Event: 161

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/61/13	013	17:41	64°51.661	67°41.672	500.160	303	
Bottom	2006/		17:57	64°51.600	67°41.680		312	
End	2006/		18:22	64°51.680	67°41.730		312	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			x
File Name	G70106	Temperature 1			x
Config File	LMG0701c	Temperature 2			x
		Conductivity 1			x
		Conductivity 2			x
		Oxygen 1			x
		Oxygen 2			x
		Pump 1			x
		Pump 2			x
		Transmissometer			x
		Fluorometer			x
		PAR	4561	x	

### Comments

Change PAR!!!
↑ Calibrated # still not correct
Must be due to calculation
Switching Back to Original Par nr
next cast
See Back of Log Sheet for Underway Log

LTER

LMG 07-01

Cast: 016

Event: 0161

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	300	17:58	291.8	1.5284	34.6877	-0.08
2	300	:				
		:				
3	200	18:01	200.0	1.4048	34.6110	-0.08
4	200	:				
		:				
5	150	18:03	150.2	0.9631	34.5060	-0.0152
6	150	:				
		:				
7	100	18:05	100.5	0.0245	34.3054	0.1118
8	100	:				
		:				
9	87	18:07	87.0	-0.6643	34.1916	0.1435
10	87	:				
		:				
11	79	18:08	78.8	-1.1348	34.1146	0.3181
12	79	:				
		:				
13	65	18:10	65.2	-1.3345	34.0281	0.2864
14	65	:				
		:				
15	45	18:13	45.1	0.9651	33.9206	0.5086
16	45	:				
		:				
17	25	18:15	24.7	1.4200	33.9166	0.1435
18	25	:				
		:				
19	13	18:17	13.2	1.6940	33.9143	0.0007
20	13	:				
		:				
21	5	18:18	5.0	1.6540	33.9133	-0.0311
22	5	:				
		:				
23	0	18:19	1.8	1.5899	33.9167	-0.0311
24	0	:				

TSG  
29.645

LMG 07-01

**Cast:** 17

Event: 171

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	013	22:14	64 59.070	67 23.100	500.140	362	
Bottom	2006/		22:27	64 59.070	67 23.100		362	
End	2006/	013	22:55	64 59.040	67 23.090		367	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701017	Temperature 1			
Config File	L146801B	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR	4470	X	

## Comments

Back Original PAR

PAR Dark Voltage - 0.1526

Offset - 0.38370

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 017

Event: 171

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	22:28	357.78	1.5277	34.7676	-0.047
2		:				
		:				
3	250	22:32	250.2	1.6943	34.6958	-0.0787
4		:				
		:				
5	175	22:36	175.2	1.1672	34.5633	-0.0787
6		:				
		:				
7	125	22:38	125.3	0.7107	34.4397	-0.0152
8		:				
		:				
9	100	22:41	99	0.6530	34.3054	0.1435
10		:				
		:				
11	80	22:42	80.1	-0.7223	34.1869	0.1435
12		:				
		:				
13	70	22:44	69.9	-1.0023	34.0776	0.2546
14		:				
		:				
15	41	22:46	40.7	1.2660	33.9282	0.5403
16		:				
		:				
17	33	22:48	33.1	1.3476	33.9254	0.4610
18		:				
		:				
19	15	22:50	15.0	1.6323	33.9280	0.1935
20		:				
		:				
21	6	22:51	6.2	1.6730	33.9275	0.0483
22	6	:				
		:				
23	0	22:52	1.5	1.6776	33.9272	0.0324
24	0	:				

TSG  
29.716

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/14	014	:			500.120	688	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	unf	Pressure			
File Name	g7d1d18	Temperature 1			
Config File	7d1b	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			

## Comments

Fish died @ 210 m.

See Back of Log Sheet for Underway Log

LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1		:				
2		:				
		:				
3		:				
4		:				
		:				
5		:				
6		:				
		:				
7		:				
8		:				
		:				
9		:				
10		:				
		:				
11		:				
12		:				
		:				
13		:				
14		:				
		:				
15		:				
16		:				
		:				
17		:				
18		:				
		:				
19		:				
20		:				
		:				
21		:				
22		:				
		:				
23		:				
24		:				



**Event:** | 98

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/15	015	17:29	65 06.640	67 05.090	500.120	688	
Bottom	2006/		17:48	65 6.660	67 5.160		686	
End	2006/		18:20	65 6.700	67 5.120		690	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure	1480	X	
File Name	G701015	Temperature 1			
Config File	LMG6701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

New Fish S/N 1480

LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	17:49	662	1.4743	34.7154	-0.1105
2		:				
		:				
3	450	17:55	450.9	1.5123	34.6192	-0.0946
4		:				
		:				
5	350	17:58	349.8	1.5081	34.6763	-0.6787
6		:				
		:				
7	250	18:02	249	1.2879	34.6036	-0.0787
8		:				
		:				
9	120	18:06	120.4	0.1105	34.3099	0.0324
10		:				
		:				
11	72	18:08	72.2	-0.2949	34.0923	0.0007
12		:				
		:				
13	57	18:10	56.8	0.0731	33.9570	0.2546
14		:				
		:				
15	35	18:12	35.6	1.4715	33.8546	1.2387
16		:				
		:				
17	24	18:14	24.5	1.5675	33.8495	1.1435
18		:				
		:				
19	14	18:15	13.7	1.5728	33.8477	1.5727
20		:				
		:				
21	6	:	6			
22		:				
		:				
23	Surface	:	2.5	on fly		
24		:				

LMG 07-01

**Cast:** 20

**Event:** 261

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/15	015	20:08	65 14.060	66 46.750	500.100	456	
Bottom	2006/		20:22	65 14.040	66 46.750		451	
End	2006/		20:43	65 14.020	66 46.800		453	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701020	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

Missed Bottle 24, fired in air



LTER

LMG 07-01

Cast: 20

Event: 201

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	20:22	430	1.4961	34.6929	-0.1105
2	BOTT	:				
		:				
3	300	20:26	300.9	1.4252	34.6595	-0.0946
4	300	:				
		:				
5	200	20:29	200.6	1.1099	34.5651	-0.1105
6	200	:				
		:				
7	100	20:33	99.9	-0.4224	34.0963	0.0007
8	100	:				
		:				
9	53	20:35	51.9	1.1963	33.9134	2.0641
10	53	:				
		:				
11	45	20:36	45.1	1.1381	33.8563	2.0324
12	45	:				
		:				
13	27	20:38	26.7	1.5850	33.6998	1.7943
14	27	:				
		:				
15	20	20:39	19.4	1.7570	33.6798	1.7783
16	20	:				
		:				
17	11	20:41	11.1	1.8155	33.6743	1.5880
18	11	:				
		:				
19	5	20:42	3.7	1.8135	33.6730	1.808
20	5	:	5.9			
		:				
21	5	:	3.2	2.2		
22	5	:	2.7	2.1		
		:				
23	SURF	:	0.11	on fly		
24	SURF	:	-1.4			

TSC  
33.674→  
Fired  
in Air

**Event:** 206

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/15	015	22:24	65°21.386	66°27.691	500.080	600	
Bottom	2006/		22:41	65 21.380	66 27.810		579	
End	2006/		23:08	65 21.360	66 28.100		584	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701021	Temperature 1			
Config File	LMG0701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 021

Event: 0206

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	22:41	559	1.4689	34.6848	-0.0946
2	BOTT	:				
		:				
3	500	:	501.2	1.4605	34.6818	-0.0946
4	500	:				
		:				
5	400	22:47	400.3	1.4483	34.6769	-0.6787
6	400	:				
		:				
7	300	22:50	300.8	1.3723	34.6484	-0.1105
8	300	:				
		:				
9	200	22:53	200.9	0.9322	34.5246	-0.0946
10	200	:				
		:				
11	100	22:57	100.1	-0.3395	34.0823	-0.3699
12	100	:				
		:				
13	71	22:59	70.6	0.0973	33.9061	0.1118
14	71	:				
		:				
15	34	23:01	34.3	1.2567	33.7380	0.8895
16	34	:				
		:				
17	24	23:03	24.2	1.7156	33.7289	1.7149
18	24	:				
		:				
19	12	23:05	12.4	1.6872	33.7287	1.5562
20	12	:				
		:				
21	6	23:06	6.4	1.7213	33.7291	1.6356
22	6	:				
		:				
23	SURF	23:07	185		33	
24	SURF	:				

TSG  
33.7



**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/16	016	09:23	64°49.007	64°04.154	62D.040	186	
Bottom	2007/		09:32	64° 49.000	64° 04.070			
End	2007/		09:44	64° 48.98	64° 04.130			

		Sensors	Serial Number	New?	
				Yes	No
Technician	mp	Pressure			
File Name	8701022	Temperature 1			
Config File	7old	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	09:32	133	0.90	34.39	0.00
2	BOTT	:				
		:				
3	150	09:35	147	0.90	34.36	0.08
4	150	:				
		:				
5	125	09:37	125	0.83	34.34	<del>0.07</del> 0.09
6	125	:				
		:				
7	100	09:39	100	0.82	34.27	0.12
8	100	:				
		:				
9	75	09:41	75	0.77	34.21	0.25
10	75	:				
		:				
11	62	09:42	62	0.73	34.17	0.30
12	62	:				
		:				
13	49.5	09:43	49	0.77	34.10	0.54
14	49.5	:	49.3			
		:				
15	27	09:45	27	0.93	33.94	0.96
16	27	:				
		:				
17	18.5	09:46	18.3	1.29	33.87	1.38
18	18.5	:	18.6			
		:				
19	9.5	09:47	9.5	1.83	33.71	2.04
20	9.5	:	9.2			
		:				
21	4	09:48	4	1.83	33.68	1.93
22	4	:				
		:				
23	0	09:49		1.83	33.67	
24	0	:				

TS4 33.68

LTER LMG 07-01

Cast: 23

Event: 259

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/16	016	17:13	64°53.660	64°10.824	610.035	916	
Bottom	2006/	016	17:35	64°53.630	64°10.830		898	
End	2006/		18:10	64°53.550	64°10.850		904	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701023	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

Palmer HD Bird Gnd CTD #2
DockBox
Over Flow light came on during cast
Buffer were fine 14000 + 7000
↑ Did not seem to matter
See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 023

Event: 0259

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17:35	873.9	1.4922	34.6663	-0.0946
2	BOTT	:				
		:				
3	500	17:44	499.3	1.4356	34.6511	-0.0946
4	500	:				
		:				
5	200	17:52	199.2	0.9905	34.5127	-0.0946
6	200	:				
		:				
7	150	17:55	149.4	1.0136	34.4651	-0.0311
8	150	:				
		:				
9	100	17:57	99.8	0.9827	34.3966	0.0007
10	100	:				
		:				
11	61	17:59	61.1	0.9202	34.2412	0.0229
12	61	:				
		:				
13	49	18:00	48.7	0.8980	34.1863	0.3657
14	49	:				
		:				
15	27	18:03	27.1	0.7240	33.8330	1.2864
16	27	:				
		:				
17	19.5	18:05	19.1	1.1298	33.7445	1.1118
18	19.5	:				
		:				
19	10	18:06	10.4	1.3007	33.7100	0.7784
20	10	:				
		:				
21	4.5	18:07	4.5	1.3303	33.7087	0.4012
22	4.0	:	4.1			
		:				
23	SURF	18:09	1.1	1.3907	33.7022	0.3340
24	SURF	:				

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/07	017	01:45	64059.454	64014.552	600.030	598	
Bottom	2006/01/17	017	02:02	6459.480	6414.730	600.030	636	
End	2006/		2:33	6459.484	6414.750		644	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure			
File Name	G701623	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

Palmer HD and CTD #3

LTER

LMG 07-01

Cast: 024

Event: 0302

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	02:02	651.1	1.4619	34.6609	-0.0946
2	BOTT	:				
		:				
3	400	02:09	400.6	1.3739	34.6366	-0.0946
4	400	:				
		:				
5	200	02:15	200.1	1.0980	34.5398	-0.0787
6	200	:				
		:				
7	100	2:18	100.2	0.5400	34.3181	-0.007
8	100	:				
		:				
9	75	2:21	74.8	0.4747	34.2321	0.1276
10	75	:				
		:				
11	55	2:23	55.1	0.6021	34.1275	0.7626
12	55	:				
		:				
13	44	2:25	44.3	0.5272	34.0323	0.9530
14	44	:				
		:				
15	24	2:27	23.8	1.1352	33.7190	1.6673
16	24	:				
		:				
17	17	2:28	17.2	1.3776	33.5928	1.9054
18	17	:				
		:				
19	9.5	2:30	9.7	1.5448	33.5011	2.1911
20	9.5	:				
		:				
21	4	2:31	3.9	1.7908	33.3932	1.3975
22	4	:				
		:				
23	SURF	2:32	1.3	1.8080	33.3916	1.3975
24	SURF	:				

ISG  
33.393



**Event:** 307

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/ 01/17	017	22:23	65°14.257	69°48.012	400.260	2760	
Bottom	2007/		23:23	6514.070	69 48.140		2872	
End	2007/		00:35	65 13.864	69 48.080		2888	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure			
File Name	G701025	Temperature 1			
Config File	LM60701d.	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

NO PAR

**See Back of Log Sheet for Underway Log**

LTER

LMG 07-01

Cast: 25

Event: 307

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	23:24	27.603	0.4209	34.7057	-0.0946
2	BOTT	:				
		:				
3	1700	23:46	1699.2	0.8296	34.7139	-0.1105
4	1700	:				
		:				
5	700	00:06	700.8	1.7676	34.7236	-0.0946
6	700	:				
		:				
7	500	00:12	500.4	1.9258	34.7036	-0.0946
8	500	:				
		:				
9	280	00:18	279.2	2.0154	34.6257	-0.0946
10	280	:				
		:				
11	150	00:22	149.8	1.8198	34.5055	-0.0946
12	150	:				
		:				
13	80.5	00:26	79.5	-0.8351	34.1457	0.2229
14	80.5	:				
		:				
15	37	00:28	36.7	-0.4713	33.9496	1.1435
16	37	:				
		:				
17	22	00:30	22.4	1.4377	33.8325	1.9530
18	22	:				
		:				
19	14	00:31	13.5	1.5089	33.8390	1.9372
20	14	:				
		:				
21	5	00:33	5.6	1.5199	33.8392	1.4768
22	5	:				
		:				
23	SURF	00:34	~3			
24	SURF	:				

TSG  
33.840

Event: 321

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/18	018	08:04	65 21.03	69 30.03	400-180	2662	
Bottom	2007/		09:01	65 21.68	69 29.58		2647	
End	2007/		10:10	65 21.68	69 29.97		2643	

		Sensors	Serial Number	New?	
				Yes	No
Technician	enf	Pressure			
File Name	g701026	Temperature 1			
Config File	7old	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

- No par -

See Back of Log Sheet for Underway Log



## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	09:02	2604	0.44	34.70	-0.11
2	BOTT	:	2604			
		:				
3	1500	09:27	1500	0.81	34.71	-0.11
4	1500	:	1500			
		:				
5	750	09:43	750	1.40	34.72	-0.11
6	500	09:49	500	1.63	34.71	-0.09
		:				
7	500	09:49	500	1.63	34.71	-0.09
8	300	09:55	300	1.68	34.65	-0.09
		:				
9	300	09:55	300	1.68	34.65	-0.09
10	125	10:00	125	0.76	34.39	+0.12
		:				
11	125	10:00	125	0.76	34.39	+0.12
12	68	10:02	68	-1.52	34.04	1.61
		:				
13	68	10:02	68	-1.52	34.04	1.61
14	41	10:04	41	-0.70	33.95	2.15
		:				
15	41	10:04	41	-0.70	33.95	2.15
16	26	10:06	26	1.52	33.85	1.55
		:				
17	26	10:06	26	1.52	33.85	1.55
18	14	10:08	14	1.54	33.86	1.33
		:				
19	14	10:08	14	1.54	33.86	1.33
20	6	10:09	6	1.54	33.86	0.92
		:				
21	6	10:09	6	1.54	33.86	0.92
22	6	:	6			
		:				
23	SURF	10:10	surf	1.54	33.86	0.85
24	SURF	10:10				

LMG 07-01

**Cast:**  $\phi 27$

Event: 327

Nominal Station: 400.160

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/ 01/18	018	12:05	65 29.70	69 12.33	440/160	362	
Bottom	2007/ 01/18	018	12:16	65 29.62	69 12.28		365	
End	2007/ 01/18		12:44	65 29.58	69 12.21			

		Sensors	Serial Number	New?	
				Yes	No
Technician	LP	Pressure			
File Name	8701027	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

- PAR ON



LTER

LMG 07-01

Cast: 027

Event: 0327

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	12:14	352	1.52	34.69	-0.06
2	BOTT	:				
		:				
3	250	12:22	249.7	1.41	34.64	-0.07
4	250	:				
		:				
5	200	12:25	200	1.35	34.60	-0.09
6	200	:				
		:				
7	150	12:27	150	0.89	34.49	-0.09
8	150	:				
		:				
9	100	12:33	100	-0.13	34.20	0.06
10	100	:				
		:				
11	71	12:35	71	-1.01	34.08	0.22
12	71	:				
		:				
13	59	12:37	59	-0.94	33.98	0.31
14	59	:				
		:				
15	40	12:39	40	1.13	33.85	1.19
16	40	:				
		:				
17	23.5	12:40	23.5	1.57	33.85	0.77
18	23.5	:				
		:				
19	11.5	12:42	11.5	1.62	33.85	0.28
20	11.5	:	11.2			
		:				
21	5	12:43	5.0	1.64	33.85	0.15
22	5	:				
		:				
23	SURF	12:44		1.68	33.85	0.09
24	SURF	:				



Event: 339

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/18	18	17:09	65 37.330	68 54.250	400.14	360	
Bottom	2007/		17:20	65 37.350	68 54.260		360	
End	2007/		17:46	65 37.430	68 54.255		366	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701038	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 28

Event: 339

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17:20	343.7	1.4815	34.6990	-0.0946
2	BOTT	:				
		:				
3	250	17:23	250.0	1.4090	34.6509	-0.0946
4	250	:				
		:				
5	150	17:26	149.9	0.6915	34.4422	-0.0946
6	150	:				
		:				
7	100	17:28	100.3	0.0612	34.2825	0.0165
8	100	:				
		:				
9	75	17:32	74.9	-0.7607	34.1019	0.2864
10	75	:				
		:				
11	56	17:34	56.3	-0.8535	33.9630	0.5880
12	56	:				
		:				
13	38	17:36	37.8	0.6630	33.9076	1.3181
14	38	:				
		:				
15	27	17:38	27.1	1.6312	33.8390	1.9847
16	27	1:				
		:				
17	20	17:40	20.1	1.6436	33.8383	1.0007
18	20	:				
		:				
19	10	17:41	10.1	1.7158	33.8412	0.3181
20	10	:				
		:				
21	4	17:43	4.1	1.8010	33.8365	0.2229
22	4	:				
		:				
23	SURF	17:44	1.2	1.7490	33.8371	0.2546
24	SURF	:				

TSG  
33.840

Event: 349

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/18	018	21:44	65 45.040	68 35.550	400.120	350	
Bottom	2007/		21:57	65 45.050	68 35.350		351	
End	2007/		22:24	65 45.061	68 35.500		351	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FLAS	Pressure			
File Name	G701029	Temperature 1			
Config File	L17607010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

[illegible]



LTER

LMG 07-01

Cast: 29

Event: 349

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	21:58	340	1.5584	34.6996	-0.0946
2	BOTT	:				
		:				
3	250	22:01	250.4	1.4029	34.6447	-0.0946
4	250	:				
		:				
5	150	22:04	150.3	0.5735	34.4277	-0.0628
6	150	:				
		:				
7	100	22:07	100.0	-0.3709	34.2048	0.0007
8	100	:				
		:				
9	75	22:10	75.1	-0.8614	34.0592	0.1911
10	75	:				
		:				
11	52	22:12	52.0	0.8850	33.9036	1.3657
12	52	:				
		:				
13	46	22:14	45.7	1.4344	33.8333	2.8895
14	46	:				
		:				
15	28	22:16	27.8	1.6520	33.8214	2.3340
16	28	:				
		:				
17	21	22:18	21.0	1.6535	33.8132	2.0959
18	21	:				
		:				
19	12	22:20	11.9	1.6883	33.8046	1.0483
20	12	:				
		:				
21	5	22:21	4.5	1.8721	33.7953	0.5086
22	5	:				
		:				
23	SURF	22:23	1.5	1.8371	33.7950	0.5086
24	SURF	:				

TSG  
33.793

Event: 363

Nominal Station: 400.100

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/ 01/19	019	09:05	65 52.643	68 16.98	400.100		
Bottom	2007/		09:15	65 52.460	68 16.907		351	
End	2007/		09:35	65 52.63	68 16.910		357	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure			
File Name	g701030	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

- P<sub>AN</sub> ON -

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 030

Event: 363

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	09:15	341	1.56	34.69	-0.09
2	BOTT	:				
		:				
3	250	09:18	250	1.66	34.66	-0.06
4	250	:				
		:				
5	150	09:22	150	0.63	34.44	-0.07
6	150	:				
		:				
7	100	09:24	100	-0.59	34.11	+0.007
8	100	:				
		:				
9	75	09:26	79.7	-1.02	33.95	0.22
10	75	:				
		:				
11	55	09:28	55	0.97	33.85	1.97
12	55	:				
		:				
13	47	09:29	47	1.09	33.79	2.69
14	47	:				
		:				
15	29	09:31	29.5	1.62	33.70	2.55
16	29	:				
		:				
17	21	09:32	21	1.83	33.62	2.54
18	21	:				
		:				
19	11	09:33	11	2.08	33.64	2.08
20	11	:				
		:				
21	5	09:34	5	1.99	33.65	2.09
22	5	:				
		:				
23	SURF	09:35	Surf	2.02	33.65	1.87
24	SURF	:				



Event: 369

Nominal Station: 460.080

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure			
File Name	g701031	Temperature 1			
Config File	700d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

- 1 km ON

**See Back of Log Sheet for Underway Log**

LTER

LMG 07-01

Cast: 031

Event: 369

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	11:39	323	1.58	34.69	-0.09
2	BOTT	:				
		:				
3	200	11:43	200	1.56	34.62	-0.09
4	200	:				
		:				
5	150	11:45	150	0.79	34.48	-0.07
6	150	:				
		:				
7	100	11:47	100.99	-0.51	34.18	+0.01
8	100	:				
		:				
9	75	11:49	75	-0.66	33.93	+0.31
10	75	:				
		:				
11	54	11:51	54	-0.06	33.84	0.92
12	54	:				
		:				
13	45	11:52	52	+1.05	33.73	2.47
14	45	:				
		:				
15	27	11:53	27	+1.64	33.57	2.17
16	27	:				
		:				
17	19	11:55	19	1.68	33.56	2.00
18	19	:				
		:				
19	10	11:56	10	1.69	33.56	1.57
20	10	:				
		:				
21	5	11:57	5	1.69	33.56	1.61
22	5	:				
		:				
23	Surf	11:58	surf	1.68	33.56	1.04
24	Surf	:				

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/ 01/19	019	15:44	66 7.710	67 39.250	400.060	379	
Bottom	2007/		15:56	66 7.730	67 39.250		378	
End	2007/		16:23	66 7.730	67 39.320		370	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701032	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 32

Event: 379

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	15:56	383.4	1.4078	34.6769	-0.0946
2	BOTT	:				
		:				
3	300	16:00	300.4	1.3651	34.6562	-0.0946
4	300	:				
		:				
5	200	16:04	200.1	0.9491	34.5183	-0.0946
6	200	:				
		:				
7	125	16:06	125.2	-0.0226	34.2588	-0.0152
8	125	:				
		:				
9	75	16:09	74.9	-0.4506	33.8707	0.1911
10	75	:				
		:				
11	50	16:12	49.8	0.2774	33.7771	0.8895
12	50	:				
		:				
13	38	16:13	38.1	1.4492	33.6823	2.6991
14	38	:				
		:				
15	25	16:15	24.4	1.9302	33.5265	2.3657
16	25	:				
		:				
17	18	16:17	17.9	1.9540	33.5198	2.3340
18	18	:				
		:				
19	9.5	16:19	9.5	1.9669	33.5196	1.6356
20	9.5	:				
		:				
21	5	16:20	4.9	1.9660	33.5194	1.1118
22	5	:				
		:				
23	SURF	16:22	1.4	1.9622	33.5190	0.9530
24	SURF	:				

TSG  
33.521

**Event:** 389

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/19	019	20:28	66 15.230	67 20.440	460.040	230	
Bottom	2007/		20:37	66 15.170	67 20.460		212	
End	2007/		20:40	66 15.670	67 19.960		174	

		Sensors	Serial Number	New?	
				Yes	No
Technician	PWAS	Pressure			
File Name	G701033	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

**See Back of Log Sheet for Underway Log**

LTER

LMG 07-01

Cast:

33

Event:

389

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	20:32	21.9	1.1217	34.5820	-0.0628
2	BOTT	:				
		:				
3	150	20:41	150	0.7118	34.4610	-0.0628
4	150	:				
		:				
5	100	20:44	100.4	-0.0429	34.2537	-0.0311
6	100	:				
		:				
7	75	20:46	75.1	-0.6763	33.9689	-0.6779
8	75	:				
		:				
9	68	20:49	67.9	-0.7189	33.8984	0.1594
10	68	:				
		:				
11	55	20:50	55.1	-0.0476	33.8350	0.4451
12	55	:				
		:				
13	45	20:52	45.0	0.5247	33.8027	1.0800
14	45	:				
		:				
15	31	20:54	31.1	0.4282	33.6222	0.8578
16	31	:				
		:				
17	22	20:55	22.2	0.8789	33.4445	0.9213
18	22	:				
		:				
19	12	20:57	12.2	1.5422	33.3632	0.9848
20	12	:				
		:				
21	5	20:58	5.0	1.5434	33.3639	1.0165
22	5	:				
		:				
23	SURF	20:59	1.0	1.5515	33.3630	1.0165
24	SURF	:				

TSG  
33.363



**Event:** 398

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/20	620	23:45	66 53.56	68 55.070	300.040	672	
Bottom	2006/		00:02	66 53.600	68 55.000		673	
End	2006/		00:36	66 53.600	68 55.030		668	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701034	Temperature 1			
Config File	LM6001.D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 34

Event: 398

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	00:03	642.7	1.3512	34.7235	-0.0946
2	BOTT	:				
		:				
3	500	00:07	506.8	1.4014	34.7181	-0.0946
4	500	:				
		:				
5	300	00:13	300.2	1.3723	34.6442	-0.0946
6	300	:				
		:				
7	200	00:16	200.5	0.9317	34.5103	-0.0946
8	200	:				
		:				
9	100	00:20	100	-1.1883	33.9815	0.0324
10	100	:				
		:				
11	75	00:23	75.4	-0.0411	33.8077	0.0324
12	75	:				
		:				
13	40	00:27	40.2	0.7777	33.4776	2.3816
14	40	:				
		:				
15	21	00:29	21.3	1.2825	33.3946	4.1594
16	21	:				
		:				
17	15	00:31	14.9	1.4199	33.3203	4.4927
18	15	:				
		:				
19	9	00:32	9.8	1.4587	33.3803	4.3657
20	9	:				
		:				
21	5	00:33	5.1	1.4634	33.2511	13.3022
22	5	:				
		:				
23	SURF	00:34	1.6	1.3917	33.2002	3.1752
24	SURF	:				

TSG  
33.183

Event: 410

**Nominal Station:** 300, 400

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/21	021	09:41	66°45.741	69°14.900	300.060	212	
Bottom	2007/01/21	021	:	66°45.760	69°14.810			
End	2007/01/21	021	10:08	66°45.81	69°14.81		210	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKF	Pressure			
File Name	8701035	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

-PAR ON

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 035

Event: 410

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	09:50	205	1.02	34.53	-0.06
2	Bottom	:				
		:				
3	150	09:53	150	0.64	34.41	-0.06
4	150	:				
		:				
5	100	09:55	100	-0.57	34.15	-0.01
6	100	:				
		:				
7	75	09:57	75	-0.78	33.98	0.12
8	75	:				
		:				
9	50	09:59	50	-0.19	33.84	0.23
10	50	:				
		:				
11	25	10:01	25	0.87	33.73	2.17
12	25	:				
		:				
13	12	10:03	12	0.59	32.94	7.75
14	12	:				
		:				
15	9	10:05	9	0.58	32.95	7.41
16	9	:				
		:				
17	5	10:06	5	0.57	32.95	7.30
18	5	:				
		:				
19	3	10:07	3	0.57	32.95	7.28
20	3	:				
		:				
21	3	10:07	3	0.57	32.95	7.28
22	3	:				
		:				
23	0	10:08	Surface	0.57	32.95	7.28
24	0	:				

Event: 413

**Nominal Station:** 300.080

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/21	021	12:06	66 38.12	69 33.23	340.080	413	
Bottom	2006/		12:16	66 38.13	69 33.32			
End	2006/		12:37	66 38.23	69 33.24			

		Sensors	Serial Number	New?	
				Yes	No
Technician	unt	Pressure			
File Name	87Φ1Φ36	Temperature 1			
Config File	7Φ1d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

- Part on

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LTER

LMG 07-01

Cast: 036

Event: 413

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	12:16	396	1.45	34.74	-0.06
2	BOTT	:				
		:				
3	300	12:20	300	1.47	34.68	-0.09
4	300	:				
		:				
5	200	12:23	200	1.20	34.58	-0.04
6	200	:				
		:				
7	125	12:26	125	0.29	34.35	-0.03
8	125	:				
		:				
9	75	12:28	75	-1.10	34.03	+0.12
10	75	:				
		:				
11	55	12:29	55	-0.70	33.93	+0.25
12	55	:				
		:				
13	25	12:32	25	1.08	33.80	0.74
14	25	:				
		:				
15	20	12:33	20	1.12	33.80	0.73
16	20	:				
		:				
17	14	12:34	14	1.35	33.51	3.20
18	14	:				
		:				
19	8	12:36	8	1.30	33.34	2.66
20	8	:				
		:				
21	4	12:37	4	1.30	33.33	2.20
22	4	:				
		:				
23	SURF	12:37		1.29	33.29	1.88
24	SURF	:				



**Event:** 420

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/21	021	:			300.100	483	
Bottom	2006/		16:31	6630.190	6952.088		484	
End	2006/		17:15	6630.270	6951.860		487	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701037	Temperature 1			
Config File	LM6701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

[illegible]

LTER

LMG 07-01

Cast: 37

Event: 420

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	16:31	470	1.4064	34.7154	-0.0628
2	429	16:36	429	1.3701	34.7031	-0.0628
		:				
3	277	16:48	277	1.3925	34.6714	-0.0628
4	205	16:51	205	1.2872	34.6158	-0.0628
		:				
5	155	16:53	155	0.9502	34.5265	-0.0152
6	120	16:56	120	0.5006	34.4151	-0.0470
		:				
7	95	16:58	95	-0.0279	34.2916	0.0007
8	83	17:00	83	-0.4040	34.2100	0.0483
		:				
9	83	:				
10	73	17:01	73	-0.7699	34.1356	0.1276
		:				
11	73	:				
12	63	17:03	63	-1.3149	33.987	0.1594
		:				
13	53	17:05	53	-0.9253	33.9427	0.2546
14	53	:				
		:				
15	43	:	53			
16	43	17:07	43	1.1200	33.7427	0.4451
		:				
17	30	17:09	29.5	1.4356	33.7333	0.3181
18	30	:				
		:				
19	18	17:12	17.6	1.4906	33.7343	0.0800
20	18	:				
		:				
21	6	17:13	5.7	1.5118	33.7337	0.0324
22	6	:				
		:				
23	SURF	17:14	1.5	1.5043	33.7327	0.6007
24	SURF	:				

TSG  
33.733

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01.121	621	22:42	6622.450	70 10.530	300.120	478	
Bottom	2006/		22:56	6622.400	70 10.610		476	
End	2006/		23:23	6622.390	70 10.620		477	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701038	Temperature 1			
Config File	LMG070111	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]



LTER

LMG 07-01

Cast:

38

Event: 429

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	22:57	459.3	1.3875	34.7201	-0.0946
2	BOTT	:				
		:				
3	300	23:02	300.0	1.6745	34.6832	-0.0946
4	300	:				
		:				
5	200	23:05	199.9	1.8214	34.6379	-0.0628
6	200	:				
		:				
7	125	23:08	125.4	0.8682	34.4596	0.0959
8	125	:				
		:				
9	85	23:10	85.3	-1.0463	34.1622	1.2070
10	85	:				
		:				
11	62	23:12	62.2	-1.4656	34.0542	2.7308
12	62	:				
		:				
13	54	23:14	54.4	-1.1782	34.0140	4.2227
14	54	:				
		:				
15	36	23:16	35.7	0.1018	33.9843	1.4768
16	36	:				
		:				
17	27	23:18	26.9	1.0222	33.8659	1.1911
18	27	:				
		:				
19	15	23:19	15.0	1.5744	33.7828	0.8102
20	15	:				
		:				
21	6	23:21	6.0	1.5954	33.7813	0.6034
22	6	:				
		:				
23	SURF	23:22	1.6	1.5962	33.7816	0.5403
24	SURF	:				

TSG  
33.783

Event: 440

**Nominal Station:** 300.140

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/22	022	09:30	66 14.67	70 28.670	300.140		
Bottom	2007/		09:43	66 14.65	70. 28.66			
End	2007/		09:06	66 14.66	70. 28.52			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKP	Pressure			
File Name	87φ1φ39	Temperature 1			
Config File	7φ1d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

- PAR ON



LTER

LMG 07-01

Cast: 039

Event: 440

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	09:43	500	1.50	34.72	-0.06
2	Bottom	:				
		:				
3	400	09:47	400	1.55	34.70	-0.09
4	400	:				
		:				
5	300	09:50	300	1.40	34.65	-0.06
6	300	:				
		:				
7	200	09:53	200	1.28	34.56	-0.06
8	200	:				
		:				
9	100	09:56	100	-0.53	34.22	+0.81
10	100	:				
		:				
11	80	09:58	80	-1.35	34.09	+1.20
12	80	:				
		:				
13	64	09:59	64	-1.33	34.03	+0.25
14	64	:				
		:				
15	38	10:01	38	0.40	33.89	0.88
16	38	:				
		:				
17	28	10:03	28	1.47	33.82	0.95
18	28	:				
		:				
19	14	10:04	14	1.46	33.79	0.74
20	14	:				
		:				
21	6	10:05	6	1.55	33.78	0.66
22	6	:				
		:				
23	0	10:06	surf	1.56	33.78	0.63
24	0	:				



Event: 443

**Nominal Station:** 300.160

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	022	11:48	66 06.34	70 46.95	300.160	500	
Bottom	2006/01/22		12:02	66 06.39	70 47.00			
End	2006/01/22		:	66 06.39	70 47.03			

		Sensors	Serial Number	New?	
				Yes	No
Technician	unk	Pressure			
File Name	8761040	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

- ~~Top~~ PAR ON

LTER

LMG 07-01

Cast: 040

Event: 443

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	12:02	486	1.49	34.72	-0.07
2	"	:				
		:				
3	400	12:04	400	1.54	34.71	-0.09
4	400	:				
		:				
5	300	12:07	300	1.65	34.69	-0.09
6	300	:				
		:				
7	200	12:10	200	1.51	34.60	-0.06
8	200	:				
		:				
9	100	12:12	100	-0.09	34.28	+0.04
10	100	:				
		:				
11	78	12:14	78	-0.01	34.09	+0.12
12	78	:				
		:				
13	44	12:16	44	+0.24	33.90	1.20
14	44	:				
		:				
15	38	12:18	38	+1.21	33.88	+2.12
16	38	:				
		:				
17	29	12:19	29	+1.57	33.79	+0.73
18	29	:				
		:				
19	14	12:20	14	+1.60	33.78	+0.41
20	14	:				
		:				
21	5	12:22	5	1.60	33.77	0.31
22	5	:				
		:				
23	0	12:23	Surf	1.61	33.77	0.28
24	0	:				



Event: 451

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	022	16:17	65 58.930	71 04.950	300.180	2979	
Bottom	2006/		17:17	65 58.940	71 04.890		2976	
End	2006/		18:29	65 58.940	71 04.890		2976	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure			
File Name	C-701041	Temperature 1			
Config File	LM6709D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 41

Event: 451

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17:17	2926	0.4055	34.7066	-0.0946
2	BOTT	:				
		:				
3	2000	17:39	2000	0.4830	34.7077	-0.1263
4	2000	:				
		:				
5	1000	18:01	1000	1.4829	34.7256	-0.0946
6	1000	:				
		:				
7	500	18:15	500	1.4031	34.6534	-0.0946
8	500	:				
		:				
9	125	18:23	125	-1.3778	34.0888	4.1118
10	125	:				
		:				
11	100	18:26	100	-1.2907	34.0302	3.9839
12	100	:				
		:				
13	80	18:29	80	-0.9864	34.0088	3.1911
14	80	:				
		:				
15	40	18:31	40.5	1.3601	33.8523	1.3360
16	40	:				
		:				
17	26	18:33	26	1.5392	33.8360	0.9530
18	26	:				
		:				
19	13.5	18:35	13.45	1.5271	33.8202	0.5880
20	13.5	:				
		:				
21	6	18:36	6	1.5992	33.8095	0.3816
22	6	:				
		:				
23	SURF	18:37		1.6582	33.8075	0.1435
24	SURF	:				

TSG  
33.806

Event: 458

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	022	22:55	65° 50.956	71° 22.637	300.260	3094	
Bottom	2006/		00:03	65 50.990	71 22.470		3099	
End	2006/		01:27	65 50.970	71 22.440		3099	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	6701042	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

[illegible]

LTER

LMG 07-01

Cast: 42

Event: 458

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	00:04	3054	0.4317	34.7071	-0.1263
2	BOTT	:				
		6 :				
3	2000	00:30	2000	0.8173	34.7145	-0.1263
4	2000	:				
		:				
5	750	00:57	750.3	1.7708	34.7272	-0.0946
6	750	:				
		:				
7	350	01:07	350	2.0603	34.6456	-0.0946
8	350	:				
		:				
9	180	01:12	180	1.9607	34.5226	-0.0946
10	180	:				
		:				
11	74	01:15	73.7	-0.8970	34.1136	2.5723
12	74	:				
		:				
13	55	01:17	55.2	-1.3975	34.0372	4.7943
14	55	:				
		:				
15	41	01:19	41	-1.2734	33.9386	3.4451
16	41	:				
		:				
17	30	01:21	29.4	1.4108	33.8327	2.4292
18	30	:				
		:				
19	16	01:23	16	1.5952	33.8315	1.7308
20	16	:				
		:				
21	6	01:24	6	1.8568	33.8291	1.9054
22	6	:				
		:				
23	0	01:26	1.7	1.8632	33.8275	1.9530
24	0	:				

TSG  
33.827



Cast:  $\phi 43$

Event: 464

**Nominal Station:** 200, 260

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	φ23	10:28	66 02.120	73 53.720	2φφ.26φ	3688	
Bottom	2006/		11:42	66 02.09	73 53.47		3687	
End	2006/		13:φ3	66 02.19	73 53.44		3687	

		Sensors	Serial Number	New?	
				Yes	No
Technician	willp	Pressure			
File Name	8701043	Temperature 1			
Config File	7old	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			off

## Comments

- PAR OFF  
- CUPS ON

Pressure on deck - 4.11 db

See Back of Log Sheet for Underway Log

LTER

LMG 07-01

Cast: 043

Event: 464

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	12:46	3648	0.43	34.70	-0.09
2	"	:				
		:				
3	2000	12:15	2000	1.01	34.72	-0.10
4	2000	:				
		:				
5	1000	12:34	1000	1.72	34.73	-0.10
6	1000	:				
		:				
7	520	12:43	520	2.06	34.46	-0.10
8	520	:				
		:				
9	150	12:51	150	0.58	34.26	-0.06
10	150	:				
		:				
11	70	12:54	70	-1.49	33.99	+0.17
12	70	:				
		:				
13	42	12:56	42	-0.70	33.92	2.31
14	42	:				
		:				
15	35	12:58	35	1.72	33.79	1.98
16	35	:				
		:				
17	24	12:59	24	1.86	33.78	2.31
18	24	:	23.4			
		:				
19	14	13:00	14	2.16	33.78	1.61
20	14	:				
		:				
21	6	13:02	6	2.18	33.78	1.17
22	6	:				
		:				
23	0	13:03	Surf	2.19	33.78	0.88
24	0	:				



**Event:** 469

600m

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	023	16:01	66 10.395	73 36.547	200.240	3613	
Bottom	2006/	023	16:17	66 10.450	73 36.470		3612	
End	2006/		16:45	66 10.500	73 36.430		3612	

		Sensors	Serial Number	New?	
				Yes	No
Technician	EVAS	Pressure			
File Name	G701044	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

XCTD 43 launched during this cast

PAR ON only going to ~600 m

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 44

Event: 469

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	600	16 : 17	611.4	1.9652	34.7005	-0.0946
2	600	:				
		:				
3	400	16 : 23	400.4	2.0825	34.6346	-0.0946
4	400	:				
		:				
5	250	16 : 28	250.2	1.9897	34.5390	-0.0946
6	250	:				
		:				
7	125	16 : 31	124.9	0.1707	34.2382	-0.0311
8	125	:				
		:				
9	75	16 : 33	74.5	-1.4321	34.0247	0.1435
10	75	:				
		:				
11	52	16 : 36	52.2	-1.3795	33.9651	0.7308
12	52	:				
		:				
13	28	16 : 39	28.3	1.1517	33.7931	4.3816
14	28	:				
		:				
15	21	16 : 40	20.6	1.6191	33.7713	4.3181
16	21	:				
		:				
17	11	16 : 42	10.8	1.7560	33.7679	1.5562
18	11	:				
		:				
19	5	16 : 43	5	1.7677	33.7669	0.7626
20	5	:				
		:				
21	5	:				
22	5	:				
		:				
23	SURF	16 : 44	1.3	1.7770	33.7661	0.6991
24	SURF	:				

TSG  
33.766

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	23	19 : 43	66°18.595	73°19.158	200.220	3656	
Bottom	2006/		20:02	66 18.610	73 19.248		3656	
End	2006/		20:35	66 18.600	73 19.280		3657	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G70104S	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 045

Event: 475

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	600	20:02	612	1.9650	34.7022	-0.1105
2	600	:				
		:				
3	450	20:07	450	2.0759	34.6611	-0.0949
4	450	:				
		:				
5	350	20:11	349.7	2.0861	34.6200	-0.946
6	350	:				
		:				
7	250	20:14	250.2	2.0034	34.5511	-0.0946
8	250	:				
		:				
9	150	20:18	150	1.2448	34.3801	-0.0628
10	150	:				
		:				
11	90	20:21	90.4	-0.2390	34.1607	0.641
12	90	:				
		:				
13	75	20:24	75.2	-1.1523	34.0767	0.1118
14	75	:				
		:				
15	31	20:28	30.8	1.2534	33.7379	2.2070
16	31	:				
		:				
17	23	20:30	23	1.4568	33.7420	2.5403
18	23	:				
		:				
19	12	20:31	11.6	1.8300	33.7465	1.2705
20	12	:				
		:				
21	5	20:33	5.2	1.8425	33.7450	0.8102
22	5	:				
		:				
23	SURF	20:34	1.4	1.8709	33.7450	0.5880
24	SURF	:				

TSG  
33,744



**Event:** 481

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	023	23:33	66 26.570	73 20.060	260.200	3692	
Bottom	2006/	024	01:01	66 26.570	73 01.970			
End	2006/	024	02:28	66 26.574	73 01.740		3692	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701046	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

NO PAR

LTER

LMG 07-01

Cast: 46

Event: 481

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	01:02	36.48	0.3754	34.7063	-0.0946
2	BOTT	:				
		:				
3	2000	01:34	2000.	0.9504	34.7182	-0.1263
4	2000	:				
		:				
5	1000	01:55	1000.4	1.6395	34.7324	-0.1105
6	1000	:				
		:				
7	375	02:09	375	2.0595	34.6414	-0.0946
8	375	:				
		:				
9	125	2:16	125	0.3874	34.2712	-0.0628
10	125	:				
		:				
11	75	2:18	75	-1.5298	34.0503	0.0959
12	75	:				
		:				
13	60	2:20	60	-1.4770	34.0293	0.0959
14	60	:				
		:				
15	31	2:23	31	1.2188	33.7678	3.1118
16	31	:				
		:				
17	23	2:24	22.7	1.3628	33.7581	3.3657
18	23	:				
		:				
19	14	2:26	14.2	1.4735	33.7517	3.1911
20	14	:				
		:				
21	6	2:27	6.4	1.5672	33.7467	3.2070
22	6	:				
		:				
23	SURF	2:28	1.9	1.7281	33.7406	2.9848
24	SURF	:				

TSG  
33.740



Event: ~~494~~ 492

**Nominal Station:** 200, 180

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	24	10:04	66 34.700	72 44.42	200.180	3538	
Bottom	2006/		11:18	66 34.704	72 44.291			
End	2006/		12:41	66 34.773	72 44.064			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WUP	Pressure			
File Name	0701047	Temperature 1			
Config File	0701047	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			off

## Comments

[illegible]



LTER

LMG 07-01

Cast: 047

Event: 492

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	11 : 16	3485	0.38	34.7066	-0.0946
2	BOTT	:				
		:				
3	2000	11 : 46	2000.1	0.7265	34.7100	-0.1263
4	2000	:				
		:				
5	1000	12 : 04	1000	1.61	34.73	-0.09
6	1000	:				
		:				
7	375	12 : 20	375	2.04	34.65	-0.09
8	375	:				
		:				
9	150	12 : 26	150	1.58	34.43	-0.06
10	150	:				
		:				
11	75	12 : 29	75	-1.53	34.07	+1.22
12	75	:				
		:				
13	47	12 : 32	47	-1.60	33.98	6.27
14	47	:	46			
		:				
15	30	12 : 34	29.5	+0.92	33.84	9.25
16	30	:	29.5			
		:				
17	21	12 : 36	21	1.03	33.85	5.15
18	21	:				
		:				
19	12	12 : 38	12	1.51	33.77	1.81
20	12	:				
		:				
21	5	12 : 40	5	1.52	33.77	0.74
22	5	:				
		:				
23	SURF	12 : 40	surf	1.52	33.77	0.96
24	SURF	:				

**Event:** 498

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	24	15:20	66 42.801	72 26.420	200.160	3318	
Bottom	2006/		16:40	66 42.754	72 26.150			
End	2006/		18:03	66 42.572	72 26.741		3285	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701648	Temperature 1			
Config File	LM60701.D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

NO PAR



LTER

LMG 07-01

Cast: 48

Event: 498

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	16 :40	3230	0.3707	34.7066	-0.1105
2	BOTT	:				
		:				
3	2000	17 :06	2000	0.8088	34.7150	-0.1263
4	2000	:				
		:				
5	1000	17 :28	1000	1.4409	34.7319	-0.0946
6	1000	:				
		:				
7	320	17 :44	320	1.979	34.6650	-0.0946
8	320	:				
		:				
9	100	17 :50	100	-0.2783	34.2471	0.1911
10	100	:				
		:				
11	54	17 :53	54	-1.7117	34.0673	2.0324
12	54	:				
		:				
13	42	17 :54	42	-0.5205	33.8995	9.3340
14	42	:				
		:				
15	32	17 :57	32	0.8505	33.8419	7.1118
16	32	:				
		:				
17	24	17 :58	24	1.0599	33.8303	0.7250
18	24	:				
		:				
19	12	18 :00	12	1.7105	33.7651	0.4292
20	12	:				
		:				
21	5	18 :01	5	1.7357	33.7638	0.2864
22	5	:				
		:				
23	SURF	18 :02	1.5	1.7413	33.7631	0.2226
24	SURF	18 :02				



**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	024	23:54	66 50.813	72 8.476	200.140	420	
Bottom	2006/		60 :37	66 50.820	72 8.430		423	
End	2006/		60 :31	66 50.830	72 8.390		421	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701049	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 49

Event: 505

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	00:08	408	1.4096	34.6977	-0.0628
2	BOTT	:				
		:				
3	250	00:13	250	1.2890	34.6151	-0.0946
4	250	:				
		:				
5	150	00:16	150	0.2269	34.3374	-0.0628
6	150	:				
		:				
7	90	00:18	90	-1.5672	33.9833	0.1118
8	90	:				
		:				
9	62	00:21	62	-1.5569	33.8777	0.4133
10	62	:				
		:				
11	50	00:23	50	-0.9507	33.7857	0.4927
12	50	:				
		:				
13	38	00:24	38	0.7995	33.7660	1.8419
14	38	:				
		:				
15	29	00:26	29.7	1.2999	33.6637	1.9054
16	29	:				
		:				
17	21	00:27	21	1.5497	33.6491	2.2705
18	21	:				
		:				
19	11	00:29	11	1.5470	33.6482	2.2229
20	11	:				
		:				
21	5	00:30	5	1.5490	33.6481	2.1276
22	5	:				
		:				
23	SURF	00:31	23	1.5491	33.6478	2.2546
24	SURF	:				

TSG  
33.648

Event: 515

**Nominal Station:** 244.124

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/25	025	09:47	66 58.88	71 50.300	200.120	447	
Bottom	2006/		09:51	66 58.88	71 50.162		448	
End	2006/		10:21	66 58.912	71 49.961		449	

		Sensors	Serial Number	New?	
				Yes	No
Technician	wp	Pressure			
File Name	8701050	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			no
		PAR			no

-PAR ON  
-CUPS OFF

See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast:  $\phi 5 \phi$ 

Event: 515

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	<del>09:59</del>	428	1.39	34.69	- $\phi. \phi \phi$
2	"	09:59				
		:				
3	300	10:02	300	1.43	34.67	- $\phi. \phi 9$
4	300	:				
		:				
5	200	10:05	200	1.15	34.58	- $\phi. \phi 9$
6	200	:				
		:				
7	100	10:08	100	$\phi$	34.32	- $\phi. \phi 1$
8	100	:				
		:				
9	75	10:10	75	- $\phi. 92$	34.05	+ $\phi. \phi \phi$
10	75	:				
		:				
11	64	10:12	64	- $\phi. 88$	33.91	+ $\phi. 12$
12	64	:				
		:				
13	53	10:14	53	$\phi. \phi 9$	33.79	+ $\phi. 76$
14	53	:				
		:				
15	31	10:16	31	+1.12	33.71	+1.66
16	31	:				
		:				
17	22	10:18	22	1.20	33.70	1.52
18	22	:				
		:				
19	12	10:18	12	1.61	33.64	1.74
20	12	:				
		:				
21	5	10:20	5	1.64	33.45	1.73
22	5	:				
		:				
23	SURF	10:20	surf	1.64	33.65	1.73
24	SURF	:				

**Event:** 517

**Nominal Station:** 200.100



LTER

LMG 07-01

Cast: 051

Event: 517

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	12:15	421	1.36	34.70	-0.06
2	"	:				
		:				
3	300	12:18	300	1.43	34.68	-0.06
4	300	:				
		:				
5	200	12:21	200	1.29	34.62	-0.06
6	200	:				
		:				
7	100	12:24	100	0.07	34.31	-0.06
8	100	:				
		:				
9	75	12:26	75	-0.84	34.12	-0.01
10	75	:				
		:				
11	58	12:28	58	-1.37	34.94	+0.06
12	58	:				
		:				
13	44	12:30	44	-0.21	33.77	+0.82
14	44	:				
		:				
15	34	12:32	34	1.26	33.73	+1.46
16	34	:				
		:				
17	24	12:33	24	1.36	33.73	1.01
18	24	:				
		:				
19	13	12:34	13	1.54	33.72	0.46
20	13	:				
		:				
21	6	12:35	6	1.53	33.70	0.20
22	6	:				
		:				
23	0	12:36	surf	1.54	33.74	0.14
24	0	:				



**Event:** 525

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/25	025	16:51	6714.840	7113.170	200.080	45.8	
Bottom	2006/01/25	025	17:04	6714.839	7113.235	200.080	45.7	
End	2006/01/25	025	17:31	6714.804	7113.515	200.080	45.8	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701052	Temperature 1			
Config File	LIN60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

[illegible]

LTER

LMG 07-01

Cast: 52

Event: 525

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17:04	442.7	1.3731	34.7638	-0.0628
2	BOTT	:				
		:				
3	200	17:11	200.0	1.2183	34.6036	-0.0470
4	200	:				
		:				
5	125	17:14	125.6	0.4863	34.9044	-0.0628
6	125	:				
		:				
7	75	17:16	75.3	-1.2324	34.0162	0.0324
8	75	:				
		:				
9	59	17:19	59.4	-1.1592	33.8645	0.0325
10	59	:				
		:				
11	49	17:20	48.9	-0.6243	33.7746	1.0180
12	49	:				
		:				
13	36	17:23	35.8	0.9970	33.7285	1.8578
14	36	:				
		:				
15	27	17:24	27.2	1.3475	33.7127	2.0463
16	27	:				
		:				
17	18	17:25	18.1	1.5543	33.6481	1.7626
18	18	:				
		:				
19	10	17:27	10.02	1.7623	33.5395	1.1911
20	10	:				
		:				
21	5	17:29	5.25	1.7772	33.5349	0.8895
22	5	:				
		:				
23	SURF	17:30	1.7	1.9054	33.5356	0.5245
24	SURF	:				

TSG  
33.534



Event: 537

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/26	426	13:46	67 22.77	70 54.37	200.060	509	
Bottom	2007/		13:59	67 22.781	70 54.416			
End	2007/		14:19	67 22.797	70 54.502		507	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHL	Pressure			
File Name	8701053	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

[illegible]



LTER

LMG 07-01

Cast: 053

Event: 537

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	13:59	491	1.36	34.70	-0.10
2	"	:				
		:				
3	350	14:02	350	1.39	34.67	-0.09
4	350	:				
		:				
5	200	14:06	200	1.02	34.53	-0.09
6	200	:				
		:				
7	100	14:09	100	-0.99	34.07	+0.02
8	100	:				
		:				
9	63	14:12	63	-1.56	33.91	+0.03
10	63	:				
		:				
11	51	14:13	51	-1.49	33.85	0.12
12	51	:				
		:				
13	35	14:14	35	-0.88	33.69	0.00
14	35	:				
		:				
15	29	14:15	29	+0.36	33.54	2.41
16	29	:				
		:				
17	20	14:16	20	1.52	33.51	1.00
18	20	:	18			
		:				
19	11	14:18	11	1.74	33.37	0.00
20	11	:				
		:				
21	5	14:19	5	1.97	33.37	0.31
22	5	:				
		:				
23	SURF	14:19	SURF	2.00	33.37	0.32
24	SURF	:				

LTER LMG 07-01

Cast: 54 254b

Event: 541

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/26	026	15:54	67 30.600	70 35.940	200.040	760	
Bottom	2007/		16:14	67 30.460	70 35.810		760	
End	2007/		16:50	67 30.480	70 35.290		761	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701054	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

Software Crash @ bottom, restart with filename G701054b
So downcast is 054
and upcast is 054b
See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast: 54

Event: 541

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	16 : 20	740	1.3125	34.7243	-0.0628
2	BOTT	:				
		:				
3	500	16 : 26	500	1.3834	34.7055	-0.0946
4	500	:				
		:				
5	300	16 : 31	300	1.4577	34.6682	-0.0946
6	300	:				
		:				
7	200	16 : 34	200	1.1352	34.5659	-0.0946
8	200	:				
		:				
9	100	16 : 38	99	-0.9940	34.1077	-0.0311
10	100	:				
		:				
11	75	16 : 40	75	-1.4312	33.9709	0.0641
12	75	:				
		:				
13	35	16 : 42	35	-0.4402	33.6338	1.1753
14	35	:				
		:				
15	25	16 : 44	25	1.7051	33.4139	0.7308
16	25	:				
		:				
17	12	16 : 46	12	1.8404	33.4054	0.5880
18	12	:				
		:				
19	5	16 : 48	5	1.8535	33.4042	0.4610
20	5	:				
		:				
21	5	:				
22	5	:				
		:				
23	0	16 : 49	1.3	1.8515	33.4040	0.3816
24	0	:				

TSG  
34.403



**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/26	026	20:49	67 38.53	70 16.240	200.020	558	
Bottom	2007/01/26	026	21:03	67 38.53	7016191	200.020	558	
End	2007/01/26	026	21:26	67 38.53	7016.290	200.020	569	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAs	Pressure			
File Name	G701055	Temperature 1			
Config File	LM607010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 55

Event: 552

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	21:04	535.5	1.3377	34.7228	-0.0946
2	BOTT	:				
		:				
3	350	21:08	349.9	1.4359	34.6943	-0.0946
4	350	:				
		:				
5	250	21:11	250.6	1.4117	34.6552	-0.0628
6	250	:				
		:				
7	150	21:14	150.2	0.7365	34.4738	-0.0628
8	150	:				
		:				
9	75	21:16	75.4	-1.1357	34.0616	0.0483
10	75	:				
		:				
11	61	21:18	61.2	-0.6478	33.9162	0.0959
12	61	:				
		:				
13	48	21:19	48.2	-0.4884	33.8207	0.2546
14	48	:				
		:				
15	20	21:20	20.6	1.1896	33.7342	0.7149
16	20	:				
		:				
17	14.5	21:22	14.3	1.7876	33.6485	2.1276
18	14.5	:				
		:				
19	10	21:23	10.21	1.8316	33.6127	2.1594
20	10	:				
		:				
21	5	21:24	5.09	2.0830	33.3711	3.3975
22	5	:				
		:				
23	SURF	21:25	1.31	2.1025	33.3719	3.0800
24	SURF	:				

Event: 560

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/27	027	14:00	67°52.540	68°05.660	Pothua 1	611	
Bottom	2007/01/27	027	14:15	67°52.570	68°05.610	Pothua 1	606	
End	2007/01/27	027	14:30	67°52.960	68°05.660	Pothua 1	613	

		Sensors	Serial Number	New?	
				Yes	No
Technician		Pressure			
File Name		Temperature 1			
Config File		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

[illegible]



LTER

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Cast: 56

Event: 560

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	150	14:24	150.1	0.2413	34.2740	0.3022
2	150	:				
		:				
3	25	14:20	25.03	1.1371	32.8290	0.3200
4	25	:				
		:				
5		:				
6		:				
		:				
7		:				
8		:				
		:				
9		:				
10		:				
		:				
11		:				
12		:				
		:				
13		:				
14		:				
		:				
15		:				
16		:				
		:				
17		:				
18		:				
		:				
19		:				
20		:				
		:				
21		:				
22		:				
		:				
23		:				
24		:				

Event: 561

**Nominal Station:** Rothero 2

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/27	027	15:31	6744.77	6808.466	rhothra 2	510	
Bottom	2007/01/27	027	15:50	6744.720	6808.640	rhothra 2	517	
End	2007/01/27	027	16:04	6744.615	6808.740	rhothra 2	501	

		Sensors	Serial Number	New?	
				Yes	No
Technician		Pressure			
File Name		Temperature 1			
Config File		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	<del>24</del> 60	15:59	59.94	-0.9159	33.7227	2.1705
2	<del>15</del> 60	:				
		:				
3	<del>24</del> 25	16:02	24.60	0.6713	32.9006	14.9054
4	<del>20</del> 25	:				
		:				
5		:				
6		:				
		:				
7		:				
8		:				
		:				
9		:				
10		:				
		:				
11		:				
12		:				
		:				
13		:				
14		:				
		:				
15		:				
16		:				
		:				
17		:				
18		:				
		:				
19		:				
20		:				
		:				
21		:				
<del>22</del>		:				
		:				
<del>23</del>		:				
<del>24</del>		:				



Event: 566

**Nominal Station:** 200.-020

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/28	028	15:12	6754.110	6937.090	200.-020	152	
Bottom	2007/01/28	028	15:28	6754.090	6937.110	200.-020	148	
End	2007/01/28	028	15:47	6754.040	6937.360	200.-020	147	

		Sensors	Serial Number	New?	
				Yes	No
Technician		Pressure			
File Name		Temperature 1			
Config File		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 58

Event: 566

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	15:29	143.3	0.2470	36.3593	0.0641
2	BOTT	:				
		:				
3	100	15:31	100.07	-0.6185	34.1448	0.5880
4	100	:				
		:				
5	75	15:33	75.03	-0.9083	33.8578	0.8578
6	75	:				
		:				
7	50	15:35	50.30	-0.8479	33.7561	1.8895
8	50	:				
		:				
9	28	15:37	28.35	0.6322	33.4971	9.8249
10	28	:				
		:				
11	15	15:38	14.73	0.9787	33.1915	10.0959
12	15	:				
		:				
13	12	15:40	12.20	0.5900	33.1926	10.5439
14	12	:				
		:				
15	8	15:42	8.06	1.5191	33.2025	9.3879
16	8	:				
		:				
17	6	15:43	6.11	1.5800	33.1856	20.8737
18	6	:				
		:				
19	4	15:44	4.28	1.5328	33.1756	15.0595
20	4	:				
		:				
21	2	15:45	2.05	1.5992	33.1743	9.5871
22	2	:				
		:				
23	0	15:47	0.38	1.5891	33.1742	9.6145
24	0	:				



Event: 575

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/28	028	19:33	67 46.290	69 56.840	200.000	713	
Bottom	2007/		19:51	67 46.390	69 56.750		711	
End	2007/		20:26	67 46.430	69 57.110		734	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FvAS	Pressure			
File Name	G701057	Temperature 1			
Config File	LM607010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 59

Event: 575

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	19:52	685	1.3815	34.7192	-0.0946
2	BOTT	:				
		:				
3	300	20:01	300	1.4717	34.6731	-0.0946
4	300	:				
		:				
5	125	20:07	125	0.2155	34.3388	-0.0470
6	125	:				
		:				
7	75	20:11	75	-1.1875	34.0037	0.0641
8	75	:				
		:				
9	51	20:15	50	0.4490	33.7976	0.5245
10	51	:				
		:				
11	41	20:16	41	1.0300	33.7739	0.6991
12	41	:				
		:				
13	22	20:18	22	1.7629	33.5427	2.5721
14	22	:				
		:				
15	15	20:20	15	2.0051	33.3777	2.8419
16	15	:				
		:				
17	9	20:21	9	2.0082	33.3862	2.3816
18	9	:				
		:				
19	5	20:23	5	2.0131	33.3861	1.9848
20	5	:				
		:				
21	5	:				
22	5	:				
		:				
23	0	20:25	1.6	1.04 Phy		
24	0	:				

TSG  
33.37

**Event:** 5-85

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/29	029	11:16	68° 22.84	71° 42.03	100.000	111	
Bottom	2007/		11:22	68° 22.87	71° 42.09			
End	2007/		11:37	68° 27.94	71° 42.15			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure			
File Name	8701060	Temperature 1			
Config File	8701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

[illegible]

LTER

LMG 07-01

Cast: 60

Event: 585

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	11:23	12.1	-0.56	34.00	0.09
2	BOTT	:				
		:				
3	75	11:25	75	-0.66	33.93	0.10
4	75	:				
		:				
5	50	11:26	50	-0.91	33.63	0.57
6	50	:				
		:				
7	35	11:28	35	-0.71	33.13	2.30
8	35	:				
		:				
9	25	11:30	25	+0.26	32.64	+12.6
10	25	:				
		:				
11	15	11:31	15	0.63	32.34	25.9
12	15	:				
		:				
13	13	11:33	13	0.65	32.34	30.4
14	13	:				
		:				
15	8	11:34	8	0.66	32.33	34.7
16	8	:				
		:				
17	6	11:35	6	0.66	32.33	29.19
18	6	:				
		:				
19	4	11:36	~4	0.66	32.33	26.5
20	4	:				
		:				
21	2	11:37	~2	0.66	32.33	25.4
22	2	:				
		:				
23	SURF	11:37				24.82
24	SURF	:				



Cast: 061

Event: 592

Nominal Station: 100.00

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/29	029	13:50	68 15.24	72 01.81	100-020		
Bottom	2007/		14:01	68 15.30	72 02.11			
End	2007/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	msf	Pressure			
File Name	g7b1061	Temperature 1			
Config File	7b1d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

W/ PAR

- No numbers on cast ~~few~~ bottles -- HAD TO  
Go fast, we were in the surf at that  
depth (or close to)

See Back of Log Sheet for Underway Log

LTER

LMG 07-01

Cast: 061

Event: 592

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	14:01	248	0.77	34.47	-0.06
2	BOTT	:				
		:				
3	125	14:05	125	-0.54	34.01	+0.03
4	125	:				
		:				
5	75	14:07	76	-0.82	33.89	+0.28
6	75	:	75			
		:				
7	50	14:10	50	-0.98	33.60	1.04
8	50	:				
		:				
9	25	14:12	25	-0.43	32.60	14.91
10	25	:				
		:				
11	20	14:13	20	+0.41	32.35	26.0
12	20	:				
		:				
13	16	14:14	16	0.43	32.35	27.7
14	16	:				
		:				
15	9	14:15	9.0	0.45	32.35	28
16	9	:	9.5			
		:				
17	6	14:16	6	0.47	32.35	25.3
18	6	:				
		:				
19	4	14:17				
20	4	:				
		:				
21	2	14:17				
22	2	:				
		:				
23	SURF	14:17	<del>0.77</del>	<del>33.89</del>	32.34	20.17
24	SURF	:		0.47		



**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/29	029	18:40	68 6.640	72 21.570	100.040	364	
Bottom	2007/		18:50	68 6.590	72 21.726		366	
End	2007/		19:14	68 6.500	72 22.220		368	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701062	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 62

Event: 602

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	18:50	349	1.4042	34.6941	-0.0727
2	BOTT	:				
		:				
3	120	18:57	120	-1.3237	34.0621	-0.0152
4	120	:				
		:				
5	75	19:00	76	-0.9379	33.9503	0.0165
6	75	:				
		:				
7	50	19:02	50	-1.2164	33.6441	0.2864
8	50	:				
		:				
9	25	19:05	24	-0.8010	33.0228	3.7784
10	25	:				
		:				
11	18	19:07	18	-0.1854	32.7494	13.1594
12	18	:				
		:				
13	15	19:08	15.5	0.0764	32.6845	17.0483
14	15	:				
		:				
15	9	19:10	9.8	0.3510	32.5829	22.5721
16	9	:	9.5			
		:				
17	7	:	7.1	0.3572	32.5489	23.3975
18	7	:	7.4			
		:				
19	4	19:12	4.8	0.3553	32.5478	21.1118
20	4	:	4.6			
		:				
21	2	:	2.6			
22	2	:	3.3			
		:				
23	SURF	:	0.8			
24	SURF	:	2.1			

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/24	029	23:51	67 58.900	72 39.680	100.060	404	
Bottom	2007/		06:03	67 58.900	72 39.710		407	
End	2007/		06:27	67 58.840	72 39.680		408	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure			
File Name	G701663	Temperature 1			
Config File	LM6001D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast:

63

Event:

612

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	00 : 04	390	1.5326	34.7174	-0.0946
2	BOTT	:				
		:				
3	300	00 : 06	300	1.4922	34.6715	-0.0946
4	300	:				
		:				
5	200	00 : 10	200	0.8502	34.5112	-0.0946
6	200	:				
		:				
7	150	00 : 12	150	0.1480	34.3494	-0.0787
8	150	:				
		:				
9	100	00 : 14	100	-1.4158	34.1079	0.0007
10	100	:				
		:				
11	68	00 : 16	69	-1.4628	34.0065	0.1435
12	68	:				
		:				
13	57	00 : 18	57	-0.5499	33.8950	0.5880
14	57	:				
		:				
15	37	00 : 20	37	0.3910	33.8295	1.7308
16	37	:				
		:				
17	25	00 : 22	248	0.7910	33.7903	1.5562
18	25	:	24			
		:				
19	13	00 : 23	13	1.5065	33.7083	1.6832
20	13	:				
		:				
21	5	00 : 25	6.8	1.5658	33.7051	1.6356
22	5	:	5.4			
		:				
23	SDRF	00 : 26	1.5	0n	fly	
24	SDRF	:	1			

186  
33.702



Event: 623

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/6/30	030	15:06	68 9.576	68 53.934	208.-060	249	
Bottom	2007/		15:16	68 9.521	68 56.885		250	
End	2007/		15:36	68 9.445	68 56.739		242	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAG	Pressure			
File Name	G701030	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments


**See Back of Log Sheet for Underway Log**

LTER

LMG 07-01

Cast: 64

Event: 623

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	15 : 16	237.0	1.1619	34.6109	0.0800
2	BOTT	:	237.9			
		:				
3	ISO	15 : 19	150.5	0.4085	34.3411	0.2229
4	ISO	:	150.9			
		:				
5	75	15 : 21	75.3	-0.6181	33.8286	0.8260
6	75	:	74.4			
		:				
7	50	15 : 21	48.7	-0.7080	33.6843	1.9372
8	50	:	49.4			
		:				
9	30	15 : 26	29.5	-0.8218	33.3758	4.1118
10	30	:	29.7			
		:				
11	18	15 : 28	17.5	-1.1122	33.2916	8.7467
12	18	:	18.1			
		:				
13	14	15 : 29	13.8	1.4981	33.2544	11.5086
14	14	:	13.3			
		:				
15	9	15 : 31	9.0	1.5298	33.2489	12.5086
16	9	:	8.7			
		:				
17	7	15 : 32	7.2	1.5292	33.2622	10.1118
18	7	:	7.2			
		:				
19	4	15 : 33	3.8	1.5650	33.2361	11.7467
20	4	:	3.7			
		:				
21	2	15 : 35	2.6	1.5489	33.2325	9.6832
22	2	:	2.1			
		:				
23	SURF	15 : 35	2.2	1.5497		
24	SURF	:	1.4	1.		

TSG  
33.214

**Event:** 630

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/30	630	17:24	68 1.760	69 17.290	200.-040	475	
Bottom	2007/		17:37	68 1.760	69 17.270		471	
End	2007/		18:04	68 1.710	69 17.730		527	

		Sensors	Serial Number	New?	
				Yes	No
Technician	EVAS	Pressure			
File Name	G701030	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 65

Event: 630

## Station Log


## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17 : 37	450.3	1.4316	34.6235	-0.6787
2	BOTT	:	450.7			
		:				
3	200	17 : 44	200.1	0.9544	34.5343	0.0641
4	200	:	200.5			
		:				
5	100	17 : 48	100.1	-1.2832	33.9629	0.5087
6	100	:	100.2			
		:				
7	40	17 : 51	39.8	0.5436	33.6323	2.9842
8	40	:	39.5			
		:				
9	20	17 : 53	19.6	1.3834	33.2922	9.0007
10	20	:	19.7			
		:				
11	15	17 : 54	14.9	1.5656	33.2482	9.2250
12	15	:	14.7			
		:				
13	12	17 : 56	12.3	1.5727	33.2431	9.2529
14	12	:	12.3			
		:				
15	8	17 : 58	8.8	1.8821	33.2345	9.7371
16	8	:	8.3			
		:				
17	6	17 : 59	5.8	1.9310	33.2357	9.7581
18	6	:	5.8			
		:				
19	4	18 : 00	3.7	1.9060	33.2306	9.7556
20	4	:	3.4			
		:				
21	2	18 : 02	2.9	1.8436	33.2316	10.98
22	2	:	3.0			
		:				
23	SURF	18 : 03	2.6	1.8425	33.2310	9.1276
24	SURF	:	2.8			

TSG  
33.23

Event: 638

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/31	031	09:25	67 44.72	69 11.51	225.-020	130	
Bottom	2007/		09:32	44.76	11.52			
End	2007/		:	44.82	11.46			

		Sensors	Serial Number		New?	
					Yes	No
Technician	wkP	Pressure				
File Name	8701066	Temperature 1				
Config File	701d	Temperature 2				
		Conductivity 1				
		Conductivity 2				
		Oxygen 1				
		Oxygen 2				
		Pump 1				
		Pump 2				
		Transmissometer				
		Fluorometer				
		Par				

[illegible]



LTER

LMG 07-01

Cast: 066

Event: 638

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	09:32	126	-0.33	34.23	2.57
2	BOTT	:				
		:				
3	75	09:34	75	-0.59	34.84	1.85
4	75	:				
		:				
5	60	09:36	60	-0.59	33.65	1.92
6	60	:				
		:				
7	50	09:37	50	-0.00	33.59	2.15
8	50	:				
		:				
9	40	09:38	40	0.56	33.52	3.64
10	40	:				
		:				
11	28	09:39	28	1.33	33.32	4.22
12	28	:				
		:				
13	22	09:40	22	1.58	33.30	4.49
14	22	:				
		:				
15	15	09:41	15	1.76	33.28	4.88
16	15	:				
		:				
17	11	09:42	11	1.82	33.27	4.65
18	11	:				
		:				
19	6	09:43	6	1.84	33.27	4.81
20	6	:				
		:				
21	3	09:44	3	1.85	33.27	5.06
22	3	:				
		:				
23	SURF	09:44	SURF	1.86	33.27	4.92
24	SURF	:				



Event: 705

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/01/31	031	20:51	6754.210	6916.740	210.-030	422	
Bottom	2007/01/31	031	21:02	6754.223	6916.850	210.-030	439	
End	2007/01/31	031	21:25	6754.230	6916.700	210.-030	417	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701067	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 67

Event: 705

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	21:03	407	1.4347	34.6878	-0.0628
2	BOTT	:				
		:				
3	200	21:08	200.2	0.8251	34.5044	0.1594
4	200	:				
		:				
5	100	21:11	100.1	-0.6501	34.0345	1.0800
6	100	:				
		:				
7	60	21:13	60.4	-0.7163	33.7564	2.1940
8	60	:				
		:				
9	35	21:16	34.9	0.8568	33.3426	6.0483
10	35	:				
		:				
11	21	21:17	20.6	1.1185	33.0540	24.4796
12	21	:				
		:				
13	13	21:18	13.03	1.4599	32.9532	15.3181
14	13	:				
		:				
15	9	21:19	8.96	1.6167	32.8616	19.7626
16	9	:				
		:				
17	7	21:20	7.21	1.6683	32.8434	14.4451
18	7	:				
		:				
19	4	21:21	4.21	1.7731	32.8332	5.9848
20	4	:				
		:				
21	2	21:23	2.65	1.9622	32.892	2.6356
22	2	:				
		:				
23	0	21:24	1.32	2.3030	32.8174	1.9214
24	0	:				



**Event:** 714

Nominal Station: 220. - 025

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/01	032	07:45	67 48.54	69 11.77	220. -025	311	
Bottom	2007/		07:55	67 48.54	69 11.80			
End	2007/		08:14	67 48.56	69 11.71		341	

		Sensors	Serial Number	New?	
				Yes	No
Technician	wp	Pressure			
File Name	8741068	Temperature 1			
Config File	741d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 068

Event: 714

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	80TT	07:55	308	-0.99	34.55	0.15
2	200	07:58	200	-0.84	34.51	0.31
		:				
3	100	08:01	100	-0.63	34.03	0.76
4	80	08:03	80	-0.72	33.88	1.33
		:				
5	60	08:05	60	-0.64	33.80	2.16
6	50	08:06	50	-0.60	33.73	1.79
		:				
7	40	08:07	40	-0.46	33.50	2.52
8	40	:				
		:				
9	30	08:08	30	+0.13	33.43	3.36
10	30	:				
		:				
11	25	08:09	25	+0.53	33.27	7.83
12	25	:				
		:				
13	20	08:10	20	1.00	33.21	8.82
14	20	:				
		:				
15	15	08:11	15	1.28	33.16	7.71
16	15	:				
		:				
17	10	08:11	10	1.06	33.09	12.88
18	10	:				
		:				
19	6	08:12	6	1.27	32.93	18.28
20	6	:				
		:				
21	3	08:13	3	1.67	32.87	11.92
22	3	:				
		:				
23	0	08:14	SWF	2.08	32.74	13.04
24	0	:				

LTER LMG 07-01 Cast: 220, -025 Event: 710

Nominal Station: 220. - 225

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/01	032	11:24	67 48.57	69 11.586	224.-425	338	
Bottom	2007/		11:34	67 48.55	69 11.553		314	
End	2007/		11:50	67 48.544	69 11.573		313	

		Sensors	Serial Number	New?	
				Yes	No
Technician	unl	Pressure			
File Name	8701069	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast:

069

Event:

716

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	11:34	305	0.92	34.53	0.15
2	100	11:39	100	-0.57	34.03	0.02
		:				
3	75	11:41	75	-0.67	33.88	1.00
4	50	11:42	50	-0.62	33.68	1.69
		:				
5	40	11:43	40	-0.27	33.60	2.91
6	35	11:44	35	-0.07	33.51	2.87
		:				
7	30	11:44	30	+0.20	33.42	3.17
8	25	11:45	25	0.41	33.33	4.61
		:				
9	20	11:46	20	0.52	33.26	4.04
10	17	11:46	17	0.52	33.24	7.55
		:				
11	14	11:47	14	0.75	33.21	8.92
12	14	:				
		:				
13	8	11:47	8	1.03	33.15	15.31
14	8	:				
		:				
15	6	11:48	6	1.25	33.16	12.42
16	6	:				
		:				
17	4	11:49	4	1.33	33.14	15.24
18	4	:				
		:				
19	2	11:50	2	1.37	33.12	15.61
20	2	:				
		:				
21	2	:				
22	2	:				
		:				
23	0	11:50	SURF	1.64	32.92	13.57
24	0	:				



Event: 719

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/01	632	15:52	67 48.550	69 11.580	220.7025	318	
Bottom	2007/		16:02	67 48.540	69 11.570		311	
End	2007/		16:33	67 48.500	69 11.790		318	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FV AS	Pressure			
File Name	G701070	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast:

70

Event:

719

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	130m	16:03	308.3	0.9488	34.5396	0.1594
2	100	16:08	100.4	-0.4867	34.0809	0.8260
		:				
3	75	16:10	75.5	-0.6505	33.9476	1.0007
4	50	16:12	49.8	-0.4186	33.6545	2.1544
		:				
5	40	16:15	39.2	0.1724	33.4640	2.6832
6	35	16:16	35	0.2035	33.4216	3.2705
		:				
7	30	16:17	30.2	0.4375	33.3708	2.2308
8	25	16:19	24.7	0.9480	33.2816	6.0007
		:				
9	20	16:20	20.4	0.9312	33.2082	7.3181
10	16	16:21	16.3	1.0091	33.1933	7.3022
		:				
11	12	16:23	12.0	1.0655	33.1884	9.4610
12	10	16:24	9.8	1.0195	33.1804	7.8102
		:				
13	8	16:26	8.1	0.9455	33.1409	7.9804
14	8	:	8			
		:				
15	6	16:28	6.1	1.4742	33.0726	9.1725
16	6	:	6.1			
		:				
17	4	16:29	4.1	1.1810	33.0774	9.6514
18	4	:	4.2			
		:				
19	2	16:31	2.3	1.6426	32.9273	9.5406
20	2	:	2.4			
		:				
21	2	:	2.5			
22	2	:	2.2			
		:				
23	SURF	16:32	1.3	1.7584	32.9098	5.42
24	SURF	:	1.0			

TSG  
32.914



**Event:** 726

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/01	032	19:38	6748.520	6911.640	220,-025	339	
Bottom	2007/		19:47	6748.540	6911.550		295	
End	2007/		20:20	6748.554	6911.610		341	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701071	Temperature 1			
Config File	LMG0701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 71

Event: 726

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	19:49	301.8	0.9670	34.5445	0.1911
2	100	19:55	99.6	-0.5197	34.6489	0.7943
		:				
3	75	19:57	74.6	-0.6766	33.8798	1.4133
4	50	19:58	50.2	-0.5582	33.7310	1.6543
		:				
5	40	20:00	39.9	-0.1549	33.5035	3.0959
6	35	20:01	35.8	0.0385	33.4825	3.0165
		:				
7	30	20:03	30.5	0.4800	33.4115	3.5562
8	25	20:05	25.4	0.9696	33.2820	4.2229
		:				
9	20	20:07	20.8	1.9135	33.1966	11.5086
10	15	20:09	15.0	1.5102	33.2021	12.8895
		:				
11	12	20:11	11.7	1.6432	33.1832	8.12387
12	12	:	12.1			
		:				
13	10	20:12	10.3	1.5974	33.0703	14.0800
14	10	:	10.2			
		:				
15	8	20:14	7.8	1.5686	33.0641	14.6251
16	8	:	7.8			
		:				
17	6	20:15	6.3	1.6073	33.0810	14.2546
18	6	:	6.2			
		:				
19	4	20:17	4.3	1.8815	33.1549	13.0007
20	4	:	4.2			
		:				
21	2	20:18	2.4	1.6827	33.0904	10.6991
22	2	:	2.1			
		:				
23	SURF	20:19	1.5	1.6426	33.0783	10.0959
24	SURF	:	1.2			

TSG  
33.110

**Event:** 731

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/01	032	23:06	6749.600	69 11.730	220-025	252	
Bottom	2007/		23:15	6749.500	69 11.860		337	
End	2007/		23:45	6748.530	69 11.630		314	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701072	Temperature 1			
Config File	LMG07010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]



LTER

LMG 07-01

Cast:

72

Event:

731

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Boat	23:16	303	0.9568	34.5416	0.2387
2	100	23:22	100			
		:				
3	75	23:23	75	-0.6592	33.8892	0.9372
4	50	23:26	50	-0.4370	33.6344	1.9689
		:				
5	40	23:27	40	-0.2120	33.5536	3.2505
6	35	23:29	35	-0.1227	33.5286	3.8737
		:				
7	30	23:30	30	0.0548	33.4974	3.6007
8	25	23:32	24.8	0.2590	33.4400	3.4761
		:				
9	20	23:33	20.4	0.5129	33.3893	4.5880
10	15	23:34	15	1.1266	33.2346	9.2070
		:				
11	12	23:36	12	1.2495	33.2123	9.4689
12	12	:	12.4			
		:				
13	10	23:37	10.2	1.0464	33.2325	9.9054
14	10	:	9.8			
		:				
15	8	23:38	8	1.3537	33.1612	12.1435
16	8	:				
		:				
17	6	23:40	6	1.3010	33.1584	13.0483
18	6	:				
		:				
19	4	23:41	4.1	1.5756	33.0994	16.7626
20	4	:	4.3			
		:				
21	2	23:43	2	1.5311	33.1013	15.2229
22	2	:				
		:				
23	SURF	23:44	1.4	1.4170	33.1459	12.6197
24	SURF	:				

TSG  
33-115



Event: 736

**Nominal Station:**

200. - 1525

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/02	033	03:44	67 48.51	69 11.81	200.-025	316	
Bottom	2006/		03:13	67 48.557	69 11.844		329	
End	2006/		03:30	67 48.523	69 11.632		324	

		Sensors	Serial Number	New?	
				Yes	No
Technician	unl	Pressure			
File Name	701073	Temperature 1			
Config File	7012	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 073

Event: 736

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	300	03:13	301	0.97	34.54	0.39
2	100	03:17	100	-0.60	33.98	0.82
		:				
3	75	03:19	75	-0.67	33.93	2.63
4	50	03:21	50	-0.40	33.66	2.08
		:				
5	40	03:22	40	-0.26	33.56	2.11
6	35	03:22	35	-0.13	33.51	2.41
		:				
7	30	03:23	30	-0.06	33.48	2.68
8	25	03:24	25	+0.06	33.45	3.14
		:				
9	20	03:24	20	0.69	33.34	4.61
10	15	03:25	15	0.84	33.11	7.82
		:				
11	12 <del>05</del>	03:26	12	1.30	33.10	14.55
12	12	:				
		:				
13	10 <del>05</del>	03:27	10	1.36	33.11	15.11
14	10	:				
		:				
15	8 <del>05</del>	03:28	8	1.38	33.10	18.98
16	8	:				
		:				
17	6	03:28	6	1.39	33.10	15.82
18	6	:				
		:				
19	4	03:29	4	1.41	33.10	18.44
20	4	:				
		:				
21	2	03:30	2	1.41	33.10	14.42
22	2	:				
		:				
23	0	03:30	surf	1.39	33.10	16.29
24	0	:				

LTER LMG 07-01

Cast: 074

Event: 738

Nominal Station:

300, 040

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/02	033	10:06	66 53.417	68 55.357	300, 040	672	
Bottom	2007/		10:22	66 53.475	68 55.344			
End	2007/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WJP	Pressure			
File Name	0701074	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

Pan ON
MOVED 75m bottle to 65m to get local T-MAX AND Fluorometer spike.
CTD Pan @ surface: 7.2442E+01
See Back of Log Sheet for Underway Log



LTER

LMG 07-01

Cast:

074

Event:

738

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	10:22	661	1.37	34.72	-0.07
2		:				
		:				
3	500	10:26	500	1.40	34.71	-0.06
4		:				
		:				
5	300	10:31	300	1.40	34.65	-0.07
6		:				
		:				
7	200	10:34	200	0.97	34.52	-0.06
8		:				
		:				
9	100	10:37	100	-0.49	34.09	0.01
10		:				
		:				
11	65	10:39	65	0.80	33.79	0.72
12		:				
		:				
13	40	10:41	40	0.94	33.53	1.04
14		:				
		:				
15	21	10:42	21	1.46	33.09	1.69
16		:				
		:				
17	15	10:44	15	1.45	33.08	1.31
18		:				
		:				
19	9	10:44	9	1.45	33.08	1.27
20		:				
		:				
21	4	10:45	4	1.45	33.08	1.08
22		:				
		:				
23	Surface	10:46	Surf	1.45	33.08	1.17
24		:				

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/02	033	16:58	66 34.159	67 10.055	380.010	623	
Bottom	2007/		17:13	66 34.140	67 10.040		601	
End	2007/		17:42	66 34.040	67 10.140		602	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701075	Temperature 1			
Config File	LM607010	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 75

Event: 741

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	17 : 14	582	1.4245	34.7056	-0.0946
2	BOTT	:				
		:				
3	400	17 : 19	399	1.4193	34.6893	-0.0628
4	400	:				
		:				
5	200	17 : 24	200	1.0466	34.5469	-0.0787
6	200	:				
		:				
7	100	17 : 28	100	0.1759	34.2447	-0.0470
8	100	:				
		:				
9	40	17 : 30	40	-0.2924	33.5991	0.5245
10	40	:				
		:				
11	22	17 : 33	22	0.2063	33.1292	4.2864
12	22	:				
		:				
13	14	17 : 34	13.5	0.1962	32.5527	11.4768
14	14	:				
		:				
15	8	17 : 35	8	0.2045	32.5447	12.5245
16	8	:				
		:				
17	6	17 : 37	6	0.2312	32.5211	12.1276
18	6	:				
		:				
19	4	17 : 38	4	0.2270	32.5161	11.5880
20	4	:				
		:				
21	2	17 : 40	2	0.2379	32.5111	6.6673
22	2	:				
		:				
23	0	17 : 41	1	0.3251	32.5224	5.7784
24	0	:				

TSG  
32.523



Event: 750

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/02	033	21:27	66 24.540	66 55.900	400.015	295	
Bottom	2006/		21:36	66 24.543	66 55.920		289	
End	2006/		22:00	66 24.520	66 55.840		309	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure			
File Name	G701076	Temperature 1			
Config File	LM60701D	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 76

Event: 750

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	21:37	286	1.2671	34.6232	-0.0628
2	BOTT	:				
		:				
3	200	21:40	200	1.0544	34.5532	-0.0628
4	200	:				
		:				
5	150	21:42	150	0.8086	34.4738	-0.0628
6	150	:				
		:				
7	100	21:44	100	0.2057	34.2704	-0.0311
8	100	:				
		:				
9	75	21:47	75	-0.2664	34.0635	0.0165
10	75	:				
		:				
11	49	21:50	48.7	-0.5292	33.8511	0.1276
12	49	:				
		:				
13	38	21:51	37.7	-0.4622	33.7780	0.3022
14	38	:				
		:				
15	18	21:53	18	0.1163	33.3378	0.7943
16	18	:				
		:				
17	12	21:55	12	0.9905	33.2908	3.5245
18	12	:				
		:				
19	7	21:57	7	1.1072	32.9997	4.5880
20	7	:				
		:				
21	4	21:58	4	1.2293	32.9897	3.7626
22	4	:				
		:				
23	SORP	21:59	1	1.43	32.9976	2.0641
24	SURF	:				

TSG  
32.995

Event: 763

**Nominal Station:**

420.015

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/03	034	10:27	66 16.71	66 37.418	420.015	809	
Bottom	2006/		10:46	66 16.698	66 37.609		811	
End	2006/		11:09	66 16.670	66 37.698		8791	

		Sensors	Serial Number	New?	
				Yes	No
Technician	unp	Pressure			
File Name	g7d1077	Temperature 1			
Config File	7d1d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]



LTER

LMG 07-01

Cast: 077

Event: 763

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	10:46	778	1.43	34.66	-0.09
2	"	:				
		:				
3	600	10:50	600	1.41	34.66	-0.07
4	600	:				
		:				
5	400	10:54	400	1.38	34.65	-0.09
6	400	:				
		:				
7	200	10:59	200	0.98	34.52	-0.06
8	200	:				
		:				
9	100	11:02	100	0.45	34.24	+0.01
10	100	:				
		:				
11	56	11:04	56	-0.38	33.91	0.23
12	56	:				
		:				
13	45	11:05	45	-0.36	33.84	0.25
14	45	:				
		:				
15	23	11:06	23	-0.24	33.65	0.60
16	23	:				
		:				
17	15	11:07	15	-0.05	33.43	0.74
18	15	:				
		:				
19	8	11:08	8	1.24	33.23	2.25
20	8	:				
		:				
21	3	11:08	3	1.77	33.18	1.98
22	3	:				
		:				
23	SURF	11:09	surf	1.86	33.15	1.98
24	SURF	:				

**Event:** 768

LTER

LMG 07-01

Cast: 78

Event: 768

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	Bottom	13:13	433	1.41	34.66	-0.09
2	"	:				
		:				
3	300	13:17	300	1.33	34.63	-0.06
4	300	:				
		:				
5	200	13:20	200	1.02	34.53	-0.07
6	200	:				
		:				
7	150	13:22	150	0.77	34.45	-0.06
8	150	:				
		:				
9	100	13:24	100	0.25	34.29	-0.04
10	100	:				
		:				
11	75	13:26	75	-0.02	34.20	+0.01
12	75	:				
		:				
13	60	13:27	60	-0.34	34.09	+0.09
14	60	:				
		:				
15	31	13:28	31	-0.65	33.87	0.38
16	31	:				
		:				
17	18	13:29	18	+0.28	33.68	1.47
18	18	:				
		:				
19	12	13:30	12	+0.78	33.43	2.01
20	12	:				
		:				
21	6	13:31	6	+1.39	33.09	1.14
22	6	:				
		:				
23	SURF	13:32	surf	1.56	33.02	0.85
24	SURF	:				



Event: 780

**Nominal Station:** 550.000

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/ 02/ 04	035	10 : 19	65 30.410	64 27.900	550.000	175	
Bottom	2007/		:					
End	2007/		10 : 39	65 30.432	64 28.010		172	

		Sensors	Serial Number	New?	
				Yes	No
Technician	unp	Pressure			
File Name	8701079	Temperature 1			
Config File	701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

[illegible]

LTER

LMG 07-01

Cast: 079

Event: 780

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	10:28	158	0.80	34.44	-0.06
2	BOTT	:				
		:				
3	100	10:30	100	0.44	34.29	-0.03
4	100	:				
		:				
5	75	10:31	75	0.10	34.18	+0.03
6	75	:				
		:				
7	50	10:33	50	-0.21	34.08	0.15
8	50	:				
		:				
9	34	10:34	34	-0.26	33.96	0.31
10	34	:				
		:				
11	25	10:35	25	-0.13	33.81	0.50
12	25	:				
		:				
13	20	10:36	20	+0.05	33.52	0.60
14	20	:				
		:				
15	12	10:37	12	+0.54	33.12	1.30
16	12	:				
		:				
17	9	10:37	9	1.35	32.52	7.04
18	9	:				
		:				
19	5	10:38	5	1.40	32.40	6.93
20	5	:				
		:				
21	3	10:38	3	1.50	32.38	6.19
22	3	:				
		:				
23	SURF	10:39	surf	1.55	32.35	5.39
24	SURF	:				

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2007/02/04	035	13:	65 16.8	64 16.201	575. 010	266	
Bottom	2007/		13:27	65 16.800	64 16.220		274	
End	2007/		13:34	65 16.779	64 16.242		265	

		Sensors	Serial Number	New?	
				Yes	No
Technician	wul	Pressure			
File Name	7701080	Temperature 1			
Config File	7701d	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		Par			

## Comments

w/ Pan



LTER

LMG 07-01

Cast: 84

Event: 783

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	13:24	253	0.73	34.41	-0.06
2	BOTT	:				
		:				
3	150	13:24	149	0.59	34.35	-0.03
4	150	:	(my b2d)			
		:				
5	100	13:25	100	0.41	34.29	+0.04
6	100	:				
		:				
7	60	13:27	60	0.17	34.15	0.22
8	60	:				
		:				
9	45	13:28	45	-0.17	34.03	0.60
10	45	:				
		:				
11	37	13:29	37	-0.26	33.92	1.01
12	37	:				
		:				
13	30	13:30	30	-0.29	33.87	1.38
14	30	:				
		:				
15	21	13:31	21	-0.15	33.70	1.60
16	21	:				
		:				
17	16	13:32	16	-0.07	33.54	1.92
18	16	:				
		:				
19	7	13:33	7	0.15	33.09	2.33
20	7	:				
		:				
21	4	13:34	4	0.64	32.99	1.61
22	4	:				
		:				
23	SURF	13:34	surf	0.75	32.92	1.33
24	SURF	:				

**Event:** 790

**Event:**

LTER

LMG 07-01

Cast: 81

Event: 790

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1	BOTT	20 : 40	392	0.8337	34.4496	-0.0628
2	BOTT	:				
		:				
3	300	20 : 44	300	0.8109	34.4431	-0.0628
4	300	:				
		:				
5	200	20 : 47	200	0.7143	34.4052	-0.0628
6	200	:				
		:				
7	100	20 : 49	99.5	0.4618	34.2810	0.0165
8	100	:				
		:				
9	60	20 : 51	60	0.5262	34.1166	0.3181
10	60	:				
		:				
11	42	20 : 54	42.28	0.4506	34.0972	0.6832
12	42	:				
		:				
13	33	20 : 55	33.26	0.5518	33.8116	0.9530
14	33	:				
		:				
15	25	20 : 56	25.2	0.1413	33.6213	1.6991
16	25	:				
		:				
17	15	20 : 57	15.21	0.2162	33.4210	4.6649
18	15	:				
		:				
19	9	20 : 59	9.01	0.5378	33.0751	2.4610
20	9	:				
		:				
21	4	21 : 00	4.03	1.2634	32.3051	1.4256
22	4	:				
		:				
23	SURF	21 : 01	1.08	1.2932	31.9840	0.7308
24	SURF	:				

thanks Fred!

016



700.039

LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1		:				
2		:				
		:				
3		:				
4		:				
		:				
5		:				
6		:				
		:				
7		:				
8		:				
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9		:				
10		:				
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11		:				
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21		:				
22		:				
		:				
23		:				
24		:				

**Event:** 796

660.010

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/05	036	09:59	6442.260	6305.900	660.010	126	
Bottom	2006/02/05	036	10:11	6442.230	6305.890	660.010	126	
End	2006/2/05	036	10:16	6442.210	6305.920	660.010	122	

		Sensors	Serial Number	New?	
				Yes	No
Technician	AFM	Pressure			
File Name	9701083dr	Temperature 1			
Config File	9701083	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

## Comments

[illegible]



LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1		:				
2		:				
		:				
3		:				
4		:				
		:				
5		:				
6		:				
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14		:				
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15		:				
16		:				
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19		:				
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		:				
21		:				
22		:				
		:				
23		:				
24		:				

Event: 797

MARTINSON CAST #3  
NEUMEYER CHANNEL 626.050

		Sensors	Serial Number	New?	
				Yes	No
Technician	AFN	Pressure			
File Name	9701084.dft	Temperature 1			
Config File	9701084.cnf	Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Fluorometer			
		PAR			

**See Back of Log Sheet for Underway Log**

LTER

LMG 07-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Depth (m)	Time GMT	Depth (m)	Temperature	Salinity	Fluorometer
		:				
1		:				
2		:				
		:				
3		:				
4		:				
		:				
5		:				
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