

**Event:** 006

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01 /07	007	14 : 28	64°56.032	64°24.295	600.040	1325	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	F Stuart	Pressure 1			
File Name	g601001	Pressure 2			
Audio Tape	6	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

I think we dredged. -wep

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 001

Event: 006

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	BOTT	15:02		1.514	3.06	-9.17E-3	
2	BOTT	:					
		:					
3	1000	15:11		1.49	3.05	-9.17E-3	
4	1000	:					
		:					
5	500	15:21	500	1.41	3.02	-9.17E-3	
6	500	:					
		:					
7	250	15:37	250	1.13	2.98	1.34E-1	
8	250	:					
		:					
9	100	15:31	100	0.44	2.89	1.66E-1	
10	100	:					
		:					
11	75	15:33	75	0.40	2.88	2.05E-1	
12	75	:					
		:					
13	52.5	15:35	51.9	0.18	2.85	2.3E-1	
14	52.5	:					
		:					
15	21	15:37	21.5	0.12	2.82	2.5E-1	
16	21	:					
		:					
17	13.5	15:39	13.5	0.43	2.80	6.1E-1	
18	13.5	:					
		:					
19	6.5	15:40	6.5	0.91	2.83	9E-1	
20	6.5	:					
		:					
21	2	15:42	2.3	1.14	2.84	9.8E-1	
22	2	:					
		:					
23	0	15:43	1.7	1.13	2.84	2.0	
24	0	:	1.8				

**Event:** Ø17

**Nominal Station:** 666. 066

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/07	007	20:42	64°48.979	64°43.124	600.060	200	
Bottom	2006/		:					
End	2006/		21:10	64°48	64°43			

		Sensors	Serial Number	New?	
				Yes	No
Technician	UP	Pressure 1			
File Name	8601002	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

[illegible]



LTER

LMG 06-01

Cast: 002

Event: 0017

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	BOTT	20:52	190	0.90	2.95	1.57 -1	
2	BOTT	:					
		:					
3	175	20:53	175	0.90	2.95	1.47 -1	
4	175	:					
		:					
5	150	20:55	150	0.86	2.94	1.49 -1	
6	150	:					
		:					
7	125	20:56	125	0.71	2.92	1.47 -1	
8	125	:					
		:					
9	100	20:58	100	0.52	2.89	1.61 -1	
10	100	:					
		:					
11	75	20:59	75	-0.30	2.80	1.85 -1	
12	75	:					
		:					
13	46	21:01	46	+0.23	2.80	3.06 -1	
14	46	:					
		:					
15	19	21:03	19	1.01	2.84	1.19 +0	
16	19	:					
		:					
17	13	21:05	13	1.00	2.85	1.39	
18	13	:					
		:					
19	7.5	21:07	7.4	0.92	2.84	1.27	
20	7.5	:	7.5				
		:					
21	3.5	21:08	3.5	1.30	2.86	1.06	
22	3.5	:					
		:					
23	0	21:08	1.6	1.39	2.86	1.01	
24	0	:					



**Event:** 27

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	6008	00:52	64 41.678	65 02 240	600.080	~500	
Bottom	2006/		01:00	64 41.57	65 02 240			
End	2006/		01:27	64 41.53	65 02 376			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name		Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer	N/A		
		Fluorometer			
		Altimeter	N/A		

## Comments

[illegible]

LTER

LMG 06-01

Cast: 003

Event: 027

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (db)	Temperature	Conductivity	Fluorometer	Salts
		:					
1 BOTT	(500)	01:05	476	1.49	303	1.27e-1	
2 BOTT	(500)	:					
		:					
3	400	01:08	401	1.46	302	1.27e-1	
4	400	:					
		:					
5	300	01:11	300	1.35	3.00	1.24e-1	
6	300	:					
		:					
7	200	01:14	200	1.09	2.97	1.33e-1	
8	200	:					
		:					
9	100	01:17	100	0.70	2.91	1.68e-1	
10	100	:					
		:					
11	75	01:19	75	0.31	2.86	1.90e-1	
12	75	:					
		:					
13	52.5	01:21	52.5	0.44	2.86	2.99e-1	
14	52.5	:	52.5				
		:					
15	19	01:23	19	0.41	2.81	7.24e-1	
16	19	:					
		:					
17	13	01:24	12.5-13.5	0.58	2.82	8.85e-1	
18	13	:					
		:					
19	7.5	01:25	7.2-7.8	0.73	2.82	1.24	
20	7.5	:					
		:					
21	3.5	01:26	3.5~	.74	2.82	1.21	
22	3.5	:					
		:					
23	0	01:27	~1.9	.77	2.83	1.37	
24	0	:					
		:					

**LMG 06-01**

**Cast:** 004

**Event:** 041

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	008	09 : 15	64°34.464	65°20.446	600.100	630	
Bottom	2006/		1 :					
End	2006/		10 : 03	64°34.467	65°20.550		631	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1	0232	X	
File Name	g601004	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

Depth off by  $-4 \pm$  (@ surface, "depth, salt water (m)" =  $-4.16$ )

Conductivity sensors not working

Change to deep fish S/N 0232

See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 004

Event: 041

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (dB)	Temperature	Conductivity	Fluorometer	Salts
		:					
1 (BOTT)	600	9:34	594.4	1.5123	0	$1.274e^{-1}$	
2 (BOTT)	600	:					
		:					
3	500	9:38	499.7	1.47	0	$1.299e^{-1}$	
4	500	:					
		:					
5	400	9:42	400.5	1.42	0	$1.242e^{-1}$	
6	400	:					
		:					
7	300	9:45	299.7	1.38	0	$1.23e^{-1}$	
8	300	:					
		:					
9	200	9:49	200.9	1.08	0	$1.307e^{-1}$	
10	200	:					
		:					
11	100	9:52	100.1	0.389	0	$1.497e^{-1}$	
12	100	:					
		:					
13	49.5	9:55	49.4	-0.44	0	$2.18e^{-1}$	
14	49.5	:					
		:					
15	23.5	9:57	23.6	1.087	0	$1.14e^{-1}$	
16	23.5	:					
		:					
17	15	9:58	14.8	1.0234	0	$1.82e^{-1}$	
18	15	:					
		:					
19	9	9:59	9.8	1.024	0	$2.02e^{-1}$	
20	9	:					
		:					
21	5	10:01	5.8	1.025	0	$1.911e^{-1}$	
22	5	:					
		:					
23	0	10:02	-5.5	1.025	0	$2.11e^{-1}$	
24	0	:					
		:					

LTER LMG 06-01

**Cast:** 005

Event: ~~56~~ 54

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	808	14:20	64°27.391	65°38.784	600.120	548	
Bottom	2006/		14:34	64°27.411	65°38.715		551	
End	2006/		15:03	64°27.124	65°38.807		545	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1		X	
File Name	G601005	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

[illegible]

LTER

LMG 06-01

Cast: 005

Event: ~~56~~ 54

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure dB	Temperature	Conductivity	Fluorometer	Salts
		:					
1 BOT	±530	14:35	513	1.464	3.030	$1.278e^{-1}$	
2 BOT	±530	:					
		:					
3	400	14:38	399.9	1.430	3.020	$1.272e^{-1}$	
4	400	:					
		:					
5	300	14:42	300.8	1.331	3.0046	$1.286e^{-1}$	
6	300	:					
		:					
7	200	14:46	200.2	1.039	2.967	$1.316e^{-1}$	
8	200	:					
		:					
9	100	14:50	100.3	0.298	2.881	$1.77e^{-1}$	
10	100	:					
		:					
11	50	14:53	50.6	-0.301	2.808	$3.117e^{-1}$	
12	50	:					
		:					
13	35.5	14:55	35.5	0.100	2.827	$4.84e^{-1}$	
14	35.5	:					
		:					
15	17.5	14:58	17.3	+1.66	2.93	2.0980	
16	17.5	:					
		:					
17	12.5	14:59	12.4	1.65	2.93	2.06	
18	12.5	:					
		:					
19	6.5	15:00	6.7-6.1	1.67	2.93	1.82	
20	6.5	:					
		:					
21	3	15:01	3.3	1.67	2.93	2.00	
22	3	:					
		:					
23	0	15:02	3.4	1.67	2.93	1.62	
24	0	15:02	THRU SURF	1.19		2.14	
		:					



**LMG 06-01**

**Cast:** 006

**Event:** 060

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/08	008	16:57	64°19.92	65°57.57	600.140	336	
Bottom	2006/		17:11	64°19.79	65°57.79			
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WR	Pressure 1			
File Name	0601006	Pressure 2			
Audio Tape	01A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

## Comments

[illegible]

LTER

LMG 06-01

Cast: 006

Event: 060

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1 BOTT	± 310	17:11	326	1.56	3.03	1.20 e-1	
2 "	310	:					
		:					
3	250	17:14	251	1.35	3.00	1.30 e-1	
4	250	:					
		:					
5	200	17:16	200	1.29	2.99	1.26 e-1	
6	200	:					
		:					
7	150	17:18	150	0.82	2.94	1.34 e-1	
8	150	:					
		:					
9	100	17:20	100	0.39	2.89	1.59 e-1	
10	100	:					
		:					
11	75	17:22	75	-0.12	2.83	2.31 e-1	
12	75	:					
		:					
13	44.5	17:24	44.5	-0.81	2.75	2.30 e-1	
14	44.5	:	44.2				
		:					
15	16.5	17:24	14	+0.81	2.88	1.40 e-1	
16	16.5	17:26	16.0				
* OFF BY ONE							
17	12	17:26	16.5				
18	12	:	12				
		:					
19	6.5	:	12				
20	6.5	17:29	6.5	1.54	2.92	1.90	
		:					
21	3	17:31	~3	1.6	2.9		
22	3	17:31	~3				
		:					
23	0	17:32	~2	1.6	2.9		
24	0	17:32	Thru Surf				
		:					

**Nominal Station:**

**Cast:** 067

Event: 70

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/08	6008	22:18	64°12.718	66°15.446	600-160		
Bottom	2006/		22:35	64°12.74	66°15.586		430	
End	2006/		22:55	64°12.758	66°15.469			

		Sensors	Serial Number	New?	
				Yes	No
Technician		Pressure 1			
File Name		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

Comments

Too much chop for good at surface samples. Fired on the fly during retrieval

See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	Bottom	22:36	409	1.56	3.03	1.31 e-1	
2	"	:					
		:					
3	300	22:39	300	1.31	3.00	1.24 e-1	
4	300	22:39	300				
		:					
5	200	22:43	200	0.95	2.95	1.34 e-1	
6	200	22:43	200	0.95	2.95	1.34 e-1	
		:					
7	150	22:45	149.9	0.60	2.91	1.34 e-1	
8	150	:	149.6				
		:					
9	100	22:47	100	-0.53	2.80	1.70 e-1	
10	100	:					
		:					
11	75	22:48	75	-1.02	2.74	1.73 e-1	
12	75	:					
		:					
13	42	22:50	42	-0.29	2.79	4 e-1	
14	42	:	41.7				
		:					
15	20	22:51	20	+1.52	2.93	1.74 e-1	
16	20	:					
		:					
17	14	22:51	13.5	+1.92	2.96	2.42	
18	14	22:51	13.7				
		:					
19	8.5	22:53	8.0	+1.92	2.96	2.37	
20	8.5	:	9.0				
		:					
21	3.5	22:54	3.8	+1.92	2.96	2.40	
22	3.5	22:54	3.5				
		:					
23	0	22:55	~2.0				
24	0	:	surf				

**LTER**      **LMG 06-01**

**Cast:** 608

**Event:** 85

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/12/09	009	09:12	64°05.341	66°33.491	600.180	1766	
Bottom	2006/		9:52	645.294	66 33.489		1765	
End	2006/		10:46	645.343	66 33 526		1761	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601008	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

**Comments**

O<sub>2</sub> sensors off each other by  $\pm 20 \mu\text{mol}$

See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 008

Event: 085

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure meters	Temperature	Conductivity	Fluorometer	Salts
		:					
1 BOTL	±1750	9 :53	1776	0.69	3.02	$1.17e^{-1}$	
2 "	±1750	:					
		:					
3	1000	10 :10	1000.8	1.183	3.03	$1.19e^{-1}$	
4	1000	:					
		:					
5	750	10 :17	750.8	1.36	3.04	$1.24e^{-1}$	
6	750	:					
		:					
7	500	10 :23	499.5	1.64	3.04	$1.23e^{-1}$	
8	500	:					
		:					
9	250	10 :29	250.3	1.46	3.01	$1.26e^{-1}$	
10	250	:					
		:					
11	100	10 :34	100.2	-0.72	2.77	$1.44e^{-1}$	
12	100	:					
		:					
13	66	10 :37	66.1	-0.88	2.75	$2.35e^{-1}$	
14	66	:					
		:					
15	28.5	10 :40	28.3	1.93	2.96	$9.13e^{-1}$	
16	28.5	:					
		:					
17	19	10 :42	19.1	2.13	2.99	$8.72e^{-1}$	
18	19	:					
		:					
19	8	10 :44	8.2	2.125	2.99	$7.22e^{-1}$	
20	8	:					
		:					
21	2.5	10 :45	2.5	2.12	2.98	$5.54e^{-1}$	
22	2.5	:					
		:					
23	0	10 :45	2.5	"	"	"	
24	0	:	2.5				



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Cast: 009

Event: 92

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/09	009	12:38	63°51.917	66°51.070	600.200	3098	
Bottom	2006/		13:47	63°57.986	66°49.918		3084	
End	2006/		15:09					

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601009	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

Secondary O <sub>2</sub> sensor erratic !! @ Beginning
fluorometer quit working @ 1080m
upper 30m of upcast recorded on
file g601009b due to equipment glitch.
reprocessed cast g601009 + g601009b
were combine into one file g601009 of
Process directory, original files save in
Cast9-9b orig directory
See Back of Log Sheet for Underway Log

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LMG 06-01

Cast: 009

Event: 092

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1 Bott	$\pm 3070$	13:45	3035	0.4540	3.049	<del><math>-9.17e^{-3}</math></del>	
2 "	$\pm 3070$	:					
		:					
3	2000	14:09	2000.7	0.73	3.03	<del><math>-9.17e^{-1}</math></del>	
4	2000	:					
		:					
5	1000	14:30	1000.7	1.37	3.64		
6	1000	:					
		:					
7	500	14:40	500.6	1.80	3.05	$3.58e^{-2}$	
8	500	:					
		:					
9	250	14:47	250	1.83	3.04	$1.36e^{-1}$	
10	250	:					
		:					
11	100	14:52	100.7	1.76	2.78	$1.53e^{-1}$	
12	100	:					
		:					
13	70	14:51	70.0	-1.02	2.74	$2.39e^{-1}$	
14	70	:					
		:					
15	33.5	14:56	33.51	1.12	2.9	$7.32e^{-1}$	
16	33.5	15:02	33.7	1.15	2.9	$7.41e^{-1}$	
		:					
17	24.5	15:04	24.3	2.17	2.99	$6.90e^{-1}$	
18	24.5	15:05	24.3				
		:					
19	13	15:07	12.6	2.24	3.00	$5.68e^{-1}$	
20	13	:	12.99				
		:					
21	5.5	15:08	~5.2	2.26	3.00	$4.48e^{-1}$	
22	5.5	:	~5.6				
		:					
23	0	15:09	~3.8	2.27	3.00	$3.82e^{-1}$	
24	0	:	~3.2				

**Event:** 103

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/09	009	20:13	63°50.	67°09.01	600.220	3147	
Bottom	2006/		21:16	63°50.5	67°08.36		3142	
End	2006/		:					

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

Fluorometer tanked @ about 1080 meters  
Secondary Temperature Tanked? ~~Nope~~ Nope... just a software display is



LTER

LMG 06-01

Cast: 010

Event: 103

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature °C	Conductivity S/m	Fluorometer	Salts
		:					
1 BOT	3130	21:17	3140	0.44	3.04	N/A	
2 "	3130	:					
		:					
3	2000	21:39	2000	0.87	3.04	N/A	
4	2000	:					
		:					
5	1000	21:57	999.9	1.60	3.06	<del>N/A</del>	
6	1000	:	999				
		:					
7	500	22:09	500	2.04	3.07	1.39 e-1	
8	500	:					
		:					
9	250	22:14	250	1.95	3.04	1.46 e-1	
10	250	:					
		:					
11	100	22:17	100.5	-0.47	2.79	1.97 e-1	
12	100	:	100.0				
		:					
13	42.5	22:20	42.7	-0.46	2.78	4.36 e-1	
14	42.5	:	42.3				
		:					
15	22.5	22:21	~23	+1.02	2.90	1.75 e-1	
16	22.5	:					
		:					
17	16.5	22:22	16.5	+1.90	2.92	2.17	
18	16.5	:	16.1				
		:					
19	7	22:24	~6.6	+2.05	2.98	1.65	
20	7	:	~7.1				
		:					
21	4	22:25	~3.6	+2.05	2.90	9.84 e-1	
22	4	:					
		:					
23	0	22:26	~1.5	2.05	2.98	9.19 e-1	
24	0	:					

LMG 06-01

**Cast:**

011

**Event:**

110

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/10	010	08:33	64°28.847	65°59.357	Trap Site	366	
Bottom	2006/		8:47	64°28.804	65°59.383		366	
End	2006/		9:11	64°28.805	65°59.404		364	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601011	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

Still had wonky 2° O<sub>2</sub> data, esp at surf.



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Cast: 011

Event: 110

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	350	8:47	336	1.51	3.02	$1.29e^{-1}$	
2	350	:					
		:					
3	250	8:51	249.7	1.31	3.00	$1.32e^{-1}$	
4	250	:					
		:					
5	200	8:53	200.8	0.98	2.96	$1.33e^{-1}$	
6	200	:					
		:					
7	150	8:56	150.4	0.65	2.92	$1.34e^{-1}$	
8	150	:					
		:					
9	100	8:58	100.1	0.29	2.87	$1.69e^{-1}$	
10	100	:					
		:					
11	50	9:01	50.3	-0.26	2.82	$2.65e^{-1}$	
12	50	:					
		:					
13	34	9:03	34.1	0.32	2.83	$4.10e^{-1}$	
14	34	:					
		:					
15	22	9:05	21.7	0.09	2.80	$5.13e^{-1}$	
16	22	:					
		:					
17	15	9:06	15.1	1.13	2.88	$8.64e^0$	
18	15	:					
		:					
19	8	9:08	2.2	1.15	2.88	$1.50e^0$	
20	8	:					
		:					
21	4	9:09	4.1	1.15	2.88	$1.62e^0$	
22	4	:					
		:					
23	0	9:10	1.4	1.15	2.88	$1.51e^0$	
24	0	:					



**Event:** 115

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/09	6010	00:27	64°59.204	67°23.707	500.140	378	
Bottom	2006/		00:42	64°59.408	67°23.784		379	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	unp	Pressure 1			
File Name	0601012	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

2° O<sub>2</sub> still sketch @ surf. Stable below 30 m.

missed depth for 13 & 14 by 2 m --- timed the roll wrong.

See Back of Log Sheet for Underway Log

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Cast: 12

Event: 115

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1 BOTT	360±	00:43	362	+1.55	3.03	1.34 e-1	
2 BOTT	360±	:					
		:					
3	300	00:45	300	+1.63	3.03	1.32 e-1	
4	300	:					
		:					
5	250	00:47	249.7	1.66	3.03	1.25 e-1	
6	250	:					
		:					
7	200	00:49	200	1.49	3.01	1.29 e-1	
8	200	:					
		:					
9	100	00:52	99	-0.47	2.80	1.59 e-1	
10	100	:					
		:					
11	75	00:53	75	-1.00	2.75	1.74 e-1	
12	75	:					
		:					
13	47	00:56	45	-0.49	2.77	5.9 <sup>0</sup> e-1	
14	47	:	45				
		:					
15	24	00:58	24	+1.56	2.92	1.54 e-1	
16	24	:					
		:					
17	17.5	00:59	17.5	+1.62	2.93	1.51 e-1	
18	17.5	:					
		:					
19	9.5	01:00	9.5	1.68	2.93	1.32	
20	9.5	:					
		:					
21	4	01:02	4	1.68	2.93	1.35	
22	4	:					
		:					
23	0	01:02	1.6	1.68	2.93	1.32	
24	0	:					

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/11	011	09:53	64°28.979	68°35.269	500.220	2823	
Bottom	2006/		10:37	6428.997	68 35.204		2825	
End	2006/		11:36	6428.572	68 35.25		2825	

		Sensors	Serial Number	New?	
				Yes	No
Technician	Fbw AS	Pressure 1			X
File Name	G601013	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

Sec O<sub>2</sub> Flaky top ~10m  
Fluorometer stopped work ~1375m  
Did not go to bottom Stopped @ 2011



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Cast: 013

Event: 124

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	2000	10 : 38	2011	0.6262	3.0236		
2	2000	:					
		:					
3	1500	10 : 48	1509	0.94	3.03		
4	1500	:					
		:					
5	1000	11 : 02	1001	1.3367	3.0437		
6	1000	:					
		:					
7	500	11 : 12	500.8	1.76	3.06	$1.26e^{-1}$	
8	500	:					
		:					
9	250	11 : 19	250.6	1.90	3.05	$1.27e^{-1}$	
10	250	:					
		:					
11	100	11 : 24	100.4	-0.51	2.80	$1.56e^{-1}$	
12	100	:					
		:					
13	61	11 : 27	60.9	-0.86	2.75	$4.11e^{-1}$	
14	61	:					
		:					
15	30.5	11 : 30	29.8	1.81	2.97	$1.12e^0$	
16	30.5	:					
		:					
17	23	11 : 31	23.0	1.98	2.98	$1.07e^0$	
18	23	:					
		:					
19	12.5	11 : 32	12.5	2.15	2.99	$8.58e^{-1}$	
20	12.5	:					
		:					
21	5.5	11 : 34	5.2	2.15	2.99	$6.14e^{-1}$	
22	5.5	:					
		:					
23	0	11 : 35	1.7	2.15	2.99	$5.25e^{-1}$	
24	0	:					

**Event:** 130

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/11	011	13:29	64°36.565	68°17.285	500.200	2728	
Bottom	2006/01/11	011	14:29	64°36.502	68°17.404		2730	
End	2006/		15:40	64° 36.475	68 17.381		2732	

		Sensors	Serial Number	New?	
				Yes	No
Technician		Pressure 1			X
File Name		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	Changed	wire	
		Altimeter			

## Comments

Put Band Clamps of sec Oxy noses did not help  
Change cable of Fluorometer, work fine now  
Both oxygen's really wonky!

LTER

LMG 06-01

Cast: 14

Event: 130

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure db	Temperature dB °C	Conductivity S/m	Fluorometer	Salts
		:					
1 BOTT	2710 ±	14:29	2711	0.389	3.0294	$1.4167 \times 10^{-3}$	34.7040
2 "	2710 ±	:					
		:					
3	2000	14:50	2000	0.514	3.0234	$1.1610 \times 10^{-3}$	34.7040
4	2000	:					
		:					
5	1000	15:11	1000	1.01	3.01	$1.12 \times 10^{-1}$	
6	1000	:					
		:					
7	500	15:21	500	1.63	3.04	$1.28 \times 10^{-1}$	
8	500	:					
		:					
9	250	15:27	250	1.19	2.98	$1.22 \times 10^{-1}$	
10	250	:					
		:					
11	100	15:30	100	-1.15	2.73	$1.65 \times 10^{-1}$	
12	100	:					
		:					
13	46	15:33	46	+0.72	2.90	$4.70 \times 10^{-1}$	
14	46	:					
		:					
15	21	15:35	20.6	1.53	2.93	$1.50 \times 10^0$	
16	21	:					
		:					
17	15.5	15:37	15.2	1.51	2.92	$1.86 \times 10^0$	
18	15.5	:					
		:					
19	8	15:38	8.2	1.57	2.92	$1.28 \times 10^0$	
20	8	:					
		:					
21	4	15:40	~4	1.59	2.92	$1.0 \times 10^0$	
22	4	:					
		:					
23	0	15:40	1.2	1.59	2.92	$9.5 \times 10^{-1}$	
24	0	:					



**Event:** 140

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/11	011	19 :09	64°44.128	67°59.704	500.180	410	
Bottom	2006/	11	19 :25	64°44.106	67°59.637		411	
End	2006/	11	19 :45	64°44.100	67°59.619		409	

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

Cleaned O<sub>2</sub> Connectors & Scrubbed cells w/ 10% Triton-X100.  
Seems to have corrected wonkiness. 😊

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Cast: 015

Event: 146

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	±400	19:25	397	1.51	3.03	1.30 e-1	
2	±400	:					
		:					
3	300	19:28	300	1.50	3.02	1.26 e-1	
4	300	:					
		:					
5	200	19:30	200	0.91	2.95	1.32 e-1	
6	200	:					
		:					
7	150	19:32	150	0.33	2.89	1.39 e-1	
8	150	:					
		:					
9	100	19:34	100	-0.76	2.77	1.62 e-1	
10	100	:					
		:					
11	75	19:36	75	-1.19	2.72	1.93 e-1	
12	75	:					
		:					
13	56.5	19:37	56.7	-1.19	2.71	2.44 e-1	
14	56.5	:					
		:					
15	28	19:39	28	+1.35	2.91	1.28 e-1	
16	28	:					
		:					
17	21.5	19:41	21.3	1.70	2.94	8.70 e-1	
18	21.5	:					
		:					
19	13.5	19:42	13.5	1.74	2.94	5.25 e-1	
20	13.5	:					
		:					
21	5.5	19:44	5.3	1.82	2.95	2.88 e-1	
22	5.5	:					
		:					
23	0	19:45	1.6	1.80	2.95	2.74 e-1	
24	0	:	1.4				

**Event:** 151

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/11	011	23:12	64°51.646	67°41.694	500.160	311	
Bottom	2006/		23:23	64°51.632	67°41.652		312	
End	2006/		23:42	64°51.707	67°41.738		323	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WJP	Pressure 1			X
File Name	0601016	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			N/A
		Fluorometer			
		Altimeter			N/A

## Comments

Remind me to do a regression on the  $O_2$ 's!



## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	300	23:23	296	1.61	3.03	1.29 e-1	
2	300	:					
		:					
3	250	23:29	251	1.44	3.01	1.31 e-1	
4	250	:					
		:					
5	200	23:30	200	1.07	2.97	1.32 e-1	
6	200	:					
		:					
7	125	23:33	125	0.27	2.88	1.40 e-1	
8	125	:					
		:					
9	75	23:34	75	-0.93	2.75	1.60 e-1	
10	75	:	74				
		:					
11	50	23:35	50	-0.80	2.75	2.18 e-1	
12	50	:					
		:					
13	35	23:37	35	0.20	2.81	4.59 e-1	
14	35	:					
		:					
15	15.5	23:38	15.5	1.61	2.93	1.82 e0	
16	15.5	:					
		:					
17	11.5	23:39	11.5	1.61	2.93	1.87 e0	
18	11.5	:	11.2				
		:					
19	7	23:41	7.2	1.63	2.93	2.19 e0	
20	7	:	7.0				
		:					
21	3	23:42	3.5	1.65	2.93	2.31 e0	
22	3	:					
		:					
23	0	23:42	1.5	1.70	2.93	2.37 e0	
24	0	:					

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**Cast:** 017

**Event:** 168

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/12	012	8:33	65°06.634	67°05.134	500.120	696	
Bottom	2006/		8:50	65°06.652	67°05.146		692	
End	2006/		9:23	65°06.628	67°05.260		692	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601017	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

[illegible]

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	680	8:50	660	1.43	3.03	$1.26e^{-1}$	
2	680	:					
		:					
3	500	8:55	500.4	1.514	3.035	$1.32e^{-1}$	
4	500	:					
		:					
5	350	9:00	350.1	1.58	3.03	$1.30e^{-1}$	
6	350	:					
		:					
7	200	9:04	200.1	0.97	2.95	$1.28e^{-1}$	
8	200	:					
		:					
9	100	9:11	100.1	-0.29	2.82	$1.63e^{-1}$	
10	100	:					
		:					
11	50	9:14	49.6	-0.72	2.75	$3.02e^{-1}$	
12	50	:					
		:					
13	35.5	9:15	35.6	0.73	2.87	$1.09e^{+0}$	
14	35.5	:					
		:					
15	17	9:17	17.0	1.67	2.93	$2.27e^{+0}$	
16	17	:					
		:					
17	11.5	9:18	11.3	1.72	2.93	$2.37e^{+0}$	
18	11.5	:					
		:					
19	6.5	9:20	6.3	1.72	2.93	$2.41e^{+0}$	
20	6.5	:					
		:					
21	3	9:21	3.1	1.71	2.93	$2.29e^{+0}$	
22	3	:					
		:					
23	0	9:22	1.5	1.71	2.93	$2.35e^{+0}$	
24	0	:					



**Event:** 179

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	013	08:56	65°28.742	66°08.890	500.060	300	
Bottom	2006/		9:08	65°28.648	66°08.997		297	
End	2006/		9:33	65°29.736	66°08.983		312	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601018	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


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

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Cast: 18

Event: 179

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	310	9:09	275.9	1.35	3.0	$1.33e^{-1}$	
2	310	:					
		:					
3	200	9:12	200.4	1.24	2.99	$1.29e^{-1}$	
4	200	:					
		:					
5	150	9:15	150.4	0.78	2.93	$1.34e^{-1}$	
6	150	:					
		:					
7	100	9:18	99.6	-0.27	2.82	$1.57e^{-1}$	
8	100	:					
		:					
9	75	9:21	75.1	-0.67	2.77	$1.82e^{-1}$	
10	75	:					
		:					
11	50	9:23	50.1	-1.27	2.71	$2.46e^{-1}$	
12	50	:					
		:					
13	24.5	9:26	24.3	0.45	2.82	$7.28e^{-1}$	
14	24.5	:					
		:					
15	7.5	9:28	7.3	0.72	2.82	$6.5e^0$	
16	7.5	:					
		:					
17	5	9:29	5.1	0.73	2.82	$8.07e^0$	
18	5	:					
		:					
19	4	9:30	3.9	0.71	2.82	$6.91e^0$	
20	4	:					
		:					
21	3	9:31	3.1	0.72	2.82	$8.05e^{+2}$	
22	3	:					
		:					
23	0	9:32	0.82	0.77	2.82	$8.96e^0$	
24	0	:					

**LMG 06-01**

**Cast:** 19

**Event:** 185

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	013	15:41	65°30.335	64°27.770	550.000	206	
Bottom	2006/		15:51	65°30.316	64°27.782		213	
End	2006/		16:56	65°30.309	64°27.755		207	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WRP	Pressure 1			
File Name	G601019	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			N/A
		Fluorometer			
		Altimeter			N/A

## Comments

[illegible]



LTER

LMG 06-01

Cast: 19

Event: 185

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure db	Temperature °C	Conductivity S/m	Fluorometer	Salts
		:					
1	200 ±	15:51	190	0.92	2.95	1.35e-1	
2	200	:					
		:					
3	150	15:53	150	0.73	2.92	1.36e-1	
4	150	:					
		:					
5	125	15:55	125	0.61	2.91	1.38e-1	
6	125	:					
		:					
7	100	15:56	100	0.45	2.89	1.61e-1	
8	100	:					
		:					
9	75	15:58	75	0.36	2.88	1.81e-1	
10	75	:					
		:					
11	50	15:59	50	-0.07	2.82	2.33e-1	
12	50	:					
		:					
13	40	16:01	40	-0.14	2.81	2.19e-1	
14	40	:					
		:					
15	17	16:02	16.9	-0.37	2.72	1.79e-1	
16	17	:					
		:					
17	12	16:03	12	-0.11	2.73	1.33e-1	
18	12	:					
		:					
19	6	16:04	6	-0.02	2.72	1.32e-1	
20	6	:					
		:					
21	4	16:05	4.1	+0.08	2.70	8.85e-1	
22	4	:					
		:					
23	0	16:06	1.3	-0.08	2.59	5.16e-1	
24	0	:					

**Event:** 192

**Nominal Station:** ~~574~~.010  
585

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	6013	21:28	65°12.703	64°07.789	585.010	-422	
Bottom	2006/01/13	6013	21:45	65°12.713	64°07.840		418	
End	2006/01/13	6013	22:	6512.749	64°07.972		3 Bow Thruster?	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	9601020	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments


See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 20

Event: 192

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	400	21:46	401	0.88	2.95	1.46e-1	
2	400	:					
		:					
3	300	21:49	300	0.86	2.95	1.50e-1	
4	300	:					
		:					
5	200	21:54	200	0.78	2.93	1.53e-1	
6	200	:					
		:					
7	150	21:56	150	0.66	2.92	1.55e-1	
8	150	:					
		:					
9	100	21:58	100	0.54	2.90	1.64e-1	
10	100	:					
		:					
11	75	21:59	75	0.50	2.89	1.77e-1	
12	75	:					
		:					
13	48	22:00	48	0.17	2.85	2.36e-1	
14	48	:					
		:					
15	22	22:03	22	-0.29	2.76	6.03e-1	
16	22	:					
		:					
17	16.5	22:04	16.2	-0.30	2.74	6.49e-1	
18	16.5	:	16.2				
		:					
19	9	22:05	9.2	-0.16	2.73	8.24e-1	
20	9	:	9.2				
		:					
21	4.5	22:06	4.4	+0.13	2.73	5.93e-1	
22	4.5	:					
		:					
23	0	22:08	1.6	+0.26	2.71	8.03e-1	
24	0	:					



Event: 193

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/13	6013	23:05	65 12.696	64 27.55	585.010	414	
Bottom	2006/		23:06	65 12.697	64 27.55			
End	2006/		23:12	65 12.686	64 27.745			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKP	Pressure 1			
File Name	8601021	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer			
		Fluorometer			
		Altimeter			

1 BUSTED SPRING, SO ONLY 23 BOTTLES

See Back of Log Sheet for Underway Log

$$\begin{array}{r} 384 \\ \times 3 \\ \hline 1052 \end{array}$$

LTER

LMG 06-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	20	:	20.2	-0.21	2.76	1.86	
2		:					
		:					
3		:					
4		:					
		:					
5		:					
6		:					
		:					
7		:					
8		:					
		:					
9		:					
10		:					
		:					
11		:					
12		:					
		:					
13		:					
14		:					
		:					
15		:					
16		:					
		:					
17		:					
18		:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24	20	:					

**Event:** 260

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/07/14	014	9:21	6448.350	6405.679	620.040	73	
Bottom	2006/		:					
End	2006/		9:41	6448.355	6405.748		79	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	g601014	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			

Bottle 9 did not fire



LTER

LMG 06-01

Cast: 22

Event: 200

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	66	09:29	64.7	.42	2.8	$1.8e^{-1}$	
2	06	:					
		:					
3	34	09:32	34.2	0.29	2.86	$2.25e^{-1}$	
4	34	:					
		:					
5	20	09:35	19.8	0.01	2.82	$3.12e^{-1}$	
6	20	:					
		:					
7	10	09:37	10.0	0.19	280	$8.43e^{-1}$	
8	10	:					
		:					
9	6	09:38	6.0	0.39	2.80	$9.6e^{-1}$	
10	6	:					
		:					
11	0	09:39	0.6	0.48	2.81	$1.04e^0$	
12	0	" : "					
		:					
13	0	" : "					
14		:					
		:					
15		:					
16		:					
		:					
17		:					
18		:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

Event: 237

Nominal Station: 610.035

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/	6014	16:25	6453.686	64 10.965	610.035	~915	
Bottom	2006/		17:13	6453.632	64 10.702			
End	2006/		17:42	6453.568	64 10.604		~916	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	601023	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

Bottle 9 did not fire ... again.

LTER

LMG 06-01

Cast: 23

Event: 237

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	900	17:13	882	1.48	2.02	5e-1	
2	900	:					
		:					
3	750	17:17	750	1.46	3.03	1.24e-1	
4	750	:					
		:					
5	500	17:23	500	1.40	3.02	1.30e-1	
6	500	:					
		:					
7	250	17:28	250	1.11	2.98	1.32e-1	
8	250	:					
		:					
9	100	17:32	100	0.69	2.92	1.42e-1	
10	100	:					
		:					
11	67.5	17:38	67.7	0.31	2.87	1.70e-1	
12	67.5	:	67				
		:					
13	52	17:35	51.8	0.12	2.85	1.94e-1	
14	52	:					
		:					
15	26	17:37	26	-0.13	2.79	2.48e-1	
16	26	:					
		:					
17	17.5	17:38	17.3	+0.13	2.79	3.08e-1	
18	17.5	:					
		:					
19	9	17:39	9.56	+1.2	2.83	3.46e-1	
20	9	:					
		:					
21	3.5	17:41	3.5	1.47	2.85	2.89e-1	
22	3.5	:					
		:					
23	0	17:42	1.3	1.49	2.85	2.98e-1	
24	0	:					



**Event:** 274

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/15	15	0:18	64°59.53	64°14.29	600.030	527	
Bottom	2006/		:					
End	2006/		02:01	64 59.36	64 14.477			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WUP	Pressure 1			
File Name	2601024	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		— N/A —	
		Fluorometer			
		Altimeter		— N/A —	

## Comments

Bottle 9 not firing. DANGER, Will Robinson.  
↑ sticky trigger replaced

LTER

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Cast: 24

Event: 274

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	500	01:39	545	1.43	3.02	1.29e-1	
2	500	:					
		:					
3	300	01:44	300	1.30	3.00	1.37e-1	
4	300	:					
		:					
5	200	01:48	200	1.09	2.97	1.31e-1	
6	200	:					
		:					
7	150	01:49	150	1.00	2.96	1.37e-1	
8	150	:					
		:					
9	100	01:51	100	0.59	2.91	1.55e-1	
10	100	:					
		:					
11	65	01:53	65	0.24	2.86	1.96e-1	
12	65	:					
		:					
13	50	01:54	50	0.34	2.87	2.25e-1	
14	50	:					
		:					
15	26	01:56	26	0.16	2.83	4.14e-1	
16	26	:					
		:					
17	18	01:57	18	0.47	2.83	7.01e-1	
18	18	:					
		:					
19	10	01:59	10	1.37	2.89	1.88e-1	
20	10	:					
		:					
21	4	02:00	4	1.30	2.87	2.60	
22	4	:					
		:					
23	0	02:01	SURF	1.31	2.88	2.36	
24	0	:					

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**Cast:** 25

**Event:** 27.8

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/05	005	10:08	65°21.424	66°27.803	500, 080	589	
Bottom	2006/		10:27	65 21.399	66 27.778		598	
End	2006/		10:54	65 21.435	66 27.860		582	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601025	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

All Bottles triped  
Triped? Filled w/ cow intestines? I say!



LTER

LMG 06-01

Cast: 25

Event: 278

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	560	10:25	547.8	1.46	3.63	$1.29e^{-1}$	
2	560	:					
		:					
3	450	10:29	450.6	1.45	3.02	$1.25e^{-1}$	
4	450	:					
		:					
5	300	10:33	300.4	1.39	3.01	$1.28e^{-1}$	
6	300	:					
		:					
7	200	10:37	200.4	1.67	2.97	$1.30e^{-1}$	
8	200	:					
		:					
9	100	10:40	100.2	-0.24	2.82	$1.59e^{-1}$	
10	100	:					
		:					
11	75	10:42	75.3	-0.95	2.75	$1.81e^{-1}$	
12	75	:					
		:					
13	43	10:45	43.1	-0.76	2.74	$3.29e^{-1}$	
14	43	:					
		:					
15	20	10:48	20.3	0.23	2.81	$1.71e^0$	
16	20	:					
		:					
17	15.5	10:49	15.7	0.25	2.81	$1.62e^0$	
18	15.5	:					
		:					
19	10.5	10:50	10.3	0.91	2.85	$1.81e^0$	
20	10.5	:					
		:					
21	5	10:52	4.8	1.06	2.86	$1.72e^0$	
22	5	:					
		:					
23	0	10:53	1.8	1.08	2.86	$1.60e^0$	
24	0	:					

**Event:** 288

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/15	015	14:26	65 14.004	66 46.442	500.100	446	
Bottom	2006/		14:40	64 14.628	66 46.498		450	
End	2006/		15:06	65 14.070	66 46.560		467	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			+
File Name	G601026	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

[illegible]

LTER

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Cast: 26

Event: 288

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	440	14:40	435.5	1.50	3.03	$1.35e^{-1}$	
2	440	:					
		:					
3	300	14:45	300.2	1.4765	3.01	$1.31e^{-1}$	
4	300	:					
		:					
5	200	14:48	200.4	1.30	2.99	$1.28e^{-1}$	
6	200	:					
		:					
7	150	14:52	150.6	0.69	2.92	$1.37e^{-1}$	
8	150	:					
		:					
9	100	14:55	99.7	-0.22	2.82	$1.64e^{-1}$	
10	100	:					
		:					
11	50	14:57	50.1	-0.98	2.73	$3.43e^{-1}$	
12	50	:					
		:					
13	36.5	14:59	36.8	0.22	2.81	$7.34e^{-1}$	
14	36.5	:					
		:					
15	16.5	15:01	16.1	1.46	2.90	$2.56e^0$	
16	16.5	:					
		:					
17	12.5	15:02	12.9	1.44	2.90	$2.31e^0$	
18	12.5	:					
		:					
19	6	15:04	6.2	1.46	2.89	$1.27e^0$	
20	6	:					
		:					
21	3	15:05	2.9	1.57	2.89	$7.09e^{-1}$	
22	3	:					
		:					
23	0	15:06	0.72	1.47	2.88	$5.86e^{-1}$	
24	0	:					



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**Cast:** ~~900~~ 27

Event: 295

**Nominal Station:** 400.200

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/16	6016	01:13	65.14148	69.47782	400.200	~320m	
Bottom	2006/		01:16	14.180	47.792			
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WSP	Pressure 1			
File Name	8601027	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

[illegible]

LTER

LMG 06-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1		:	15 m				
2		:					
		:					
3		:					
4		:					
		:					
5		:					
6		:					
		:					
7		:					
8		:					
		:					
9		:					
10		:					
		:					
11		:					
12		:					
		:					
13		:					
14		:					
		:					
15		:					
16		:					
		:					
17		:					
18		:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

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**Cast:** 28

**Event:** 302

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/16	016	09:16	65 14.258	69 48.034	400.200	2766	
Bottom	2006/		10:17	65 14.153	69 47.846		2767	
End	2006/		11:33	65 13.738	69 48.681		2901	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601628	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: 028

Event: 302

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	2750	10:18	2729	0.427	3.03	$1.20e^{-1}$	
2	2750	:					
		:		dB			
3	2000	10:34	2000	.7182	3.0300	$1.107e^{-1}$	
4	2000	:					
		:					
5	1000	10:55	1000.3	1.32	3.04	$1.21e^{-1}$	
6	1000	:					
		:					
7	500	11:07	505.5	1.78	3.05	$1.27e^{-1}$	
8	500	:					
		:					
9	250	11:14	252.4	1.71	3.03	$1.50e^{-1}$	
10	250	:					
		:					
11	100	11:19	101.761	0.91	2.765	$5.883e^{-1}$	
12	100	:					
		:					
13	52	11:22	52.23	0.376	2.8515	$2.1778e^{-1}$	
14	52	:					
		:					
15	32.5	11:24	32.517	0.6684	2.8741	$8.3615e^{-1}$	
16	32.5	:					
		:					
17	23.5	11:26	23.357	1.5461	2.9640	$7.876e^{-1}$	
18	23.5	:					
		:					
19	13	11:29	13.2	1.91	2.96	$7.18e^{-1}$	
20	13	:					
		:					
21	6	11:31	6.0	1.90	2.96	$7.01e^{-1}$	
22	6	:					
		:					
23	0	11:32	1.8	1.90	2.96	$6.89e^{-1}$	
24	0	:					

**Event:** 308

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/04/16	016	13 : 26	65°22.674	69°30.173	400.180	2677	
Bottom	2006/		14 : 23	65°22.018	69°30.164		2667	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWXS	Pressure 1			X
File Name	G601029	Pressure 2			X
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

Bottle 24 DID NOT FIRE. Tried to put  
it right at surface, but it didn't trip.

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 029

Event: 308

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure depth(m)	Temperature	Conductivity	Fluorometer	Salts
	dep 11	:					
1	2600±	14:24	2603	0.45	3.03	1.22e-1	
2	2600±	:					
		:					
3	1000	14:59	1000	1.10	3.07	1.23e-1	
4	1000	:					
		:					
5	500	15:10	500m	1.52	3.03	1.23e-1	
6	500	:					
		:					
7	250	15:16	250m	1.55	3.02	1.27e-1	
8	250	:					
		:					
9	100	15:20	100m	1.73	2.78	1.90e-1	
10	100	:					
		:					
11	60.5	15:22	60m	-1.24	2.71	2.55e-1	
12	60.5	:					
		:					
13	50	15:23	50m	-0.98	2.73	3.05e-1	
14	50	:					
		:					
15	27.5	15:25	27.5m	+0.37	2.83	9.35e-1	
16	27.5	:					
		:					
17	20.5	15:26	~21m	1.16	2.89	9.1e-1	
18	20.5	:					
		:					
19	11	15:27	~10.5	1.30	2.89	7.7e-1	
20	11	:					
		:					
21	5	15:29	~5m	1.30	2.89	6.0e-1	
22	5	:					
		:					
23	0	15:30	1.55	1.55	2.89	4.95e-1	
24	0	:					



LMG 06-01

**Cast:** 030

**Event:** 0319

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/16	16	19:49	65°29.703	69°11.999	400.160	370	
Bottom	2006/	16	20:06	65°29.643	69°11.727		371	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure 1			
File Name	0601030	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

GOT PAR?

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 30

Event: 319

## Station Log

## SAMPLES

Bottle	Target <del>Press</del> Depth	Time GMT	Pressure depth(m)	Temperature	Conductivity	Fluoromet er	Salts
		:					
1	350+	20:05	348	1.53	3.03	1.27 e-1	
2	350	:					
		:					
3	300	20:08	300m	1.54	3.02	1.29 e-1	
4	300	:					
		:					
5	200	20:11	200m	1.25	2.98	1.31 e-1	
6	200	:					
		:					
7	150	20:13	150m	0.71	2.93	1.36 e-1	
8	150	:					
		:					
9	100	20:14	100m	-0.60	2.79	1.06 e-1	
10	100	:					
		:					
11	75	20:16	75m	-1.12	2.73	1.94 e-1	
12	75	:					
		:					
13	46	20:18	45.9 m	-0.77	2.71	4.91 e-1	
14	46	:					
		:					
15	25.5	20:19	25.5m	+1.68	2.92	1.36 e-1	
16	25.5	:					
		:					
17	18.5	20:20	18.5m	+1.79	2.93	1.29 e-1	
18	18.5	:					
		:					
19	10.5	20:21	10.4	+1.81	2.93	9.53 e-1	
20	10.5	:					
		:					
21	4	20:23	4	+1.83	2.93	6.07 e-1	
22	4	:					
		:					
23	0	20:23	2.5	+1.82	2.93	6.07 e-1	
24	0	:					



Event: 325

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/16	6016	22:05	65° 37.377	68° 53.774	400.140	367	
Bottom	2006/		22:23	65° 37.44	68° 53.944		368	
End	2006/		22:42	65° 37.432	68° 53.824		370	

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

My feet are cold.



LTER

LMG 06-01

Cast: 31

Event: 325

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure depth (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	360	22:23	351	1.53	3.02	1.31 e-1	
2	360	:					
		:					
3	300	22:25	<del>300</del> 294	1.53	3.02	1.30 e-1	
4	300	:					
		:					
5	200	22:29	200m	1.14	2.97	1.31 e-1	
6	200	:					
		:					
7	150	22:31	150m	0.54	2.91	1.31 e-1	
8	150	:					
		:					
9	100	22:33	100m	-0.72	2.77	1.55 e-1	
10	100	:					
		:					
11	75	22:35	75m	-1.26	2.72	1.72 e-1	
12	75	:					
		:					
13	52	22:36	52m	-1.61	2.68	1.96 e-1	
14	52	:					
		:					
15	22	22:37	22m	0.89	2.83	1.61 e-1	
16	22	:					
		:					
17	16.5	22:38	16.7	1.20	2.87	1.65 e-1	
18	16.5	:	16.2				
		:					
19	10	22:39	10.4	1.24	2.86	1.63 e-1	
20	10	:					
		:					
21	4	22:41	4.0	1.26	2.88	1.54 e-1	
22	4	:					
		:					
23	0	22:41	~3	1.25	2.88	1.51 e-1	
24	0	:	surf				

Event: ~~353~~ 343

Event: ~~353~~ 343



LTER

LMG 06-01

Cast: 32

Event: 353

343

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure depth(m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	350	10:44	333	1.55	3.03	$1.32e^{-1}$	
2	350	:					
		:					
3	275	10:48	275.1	1.56	3.02	$1.31e^{-1}$	
4	275	:					
		:					
5	200	10:51	199.9	1.18	2.98	$1.29e^{-1}$	
6	200	:					
		:					
7	150	10:53	150.1	0.49	2.90	$1.32e^{-1}$	
8	150	:					
		:					
9	100	10:56	99.8	-0.64	2.78	$1.60e^{-1}$	
10	100	:					
		:					
11	50	10:58	50.4	-1.49	2.69	$3.1e^{-1}$	
12	50	:					
		:					
13	40.5	11:00	40.5	-0.63	2.74	$1.08e^0$	
14	40.5	:					
		:					
15	20.5	11:02	20.6	1.27	2.88	$1.71e^{-1}$	
16	20.5	:					
		:					
17	15	11:04	14.9	1.38	2.89	$1.86e^{-1}$	
18	15	:					
		:					
19	8	11:06	7.7	1.42	2.89	$1.39e^{-1}$	
20	8	:					
		:					
21	4	11:08	3.8	1.41	2.89	$1.07e^{-1}$	
22	4	:					
		:					
23	0	:	1.8	1.41	2.89	$1.40e^{-1}$	
24	0	:					



**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/17	017	12:44	65°52.652	68°16.898	460.100	356	
Bottom	2006/		12:57	65°52.638	68°17.032		358	
End	2006/		13:23	65°52.604	68°17.372		354	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601033	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

Add more weight to bottom contact  
work great

LTER

LMG 06-01

Cast: 33

Event: 350

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure depth(m)	Temperature	Conductivity	Fluoromet er	Salts
		:					
1	350	12:58	335	1.57	3.03	$1.29e^{-1}$	
2	350	:					
		:					
3	250	13:00	250.4	1.63	3.03	$1.26e^{-1}$	
4	250	:					
		:					
5	150	13:06	149.8	0.61	2.92	$1.34e^{-1}$	
6	150	:					
		:					
7	100	13:10	99.6	-0.57	2.79	$1.46e^{-1}$	
8	100	:					
		:					
9	50	13:13	50.2	-1.37	2.69	$2.28e^{-1}$	
10	50	:					
		:					
11	30	13:15	30.2	-1.14	2.707	$4.87e^{-1}$	
12	30	:					
		:					
13	18.5	13:17	18.2	-0.88	2.72	$8.98e^{-1}$	
14	18.5	:					
		:					
15	9.5	13:19	9.6	0.18	2.77	$4.98e^0$	
16	9.5	:					
		:					
17	7	13:20	7.1	0.12	2.78	$3.47e^0$	
18	7	:					
		:					
19	4	13:21	4.1	0.21	2.77	$5.26e^0$	
20	4	:					
		:					
21	3	13:22	3.2	0.20	2.77	$3.68e^0$	
22	3	:					
		:					
23	0	13:23	1.7	0.22	2.77	$4.30e^0$	
24	0	:					

**Event:** 360

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/17	6017	13:36	66°00.147	67°58.3166	400.080	339	
Bottom	2006/		17:51	66°00.150	67°58.489		338	
End	2006/		18:09	66°00.172	67°58.620		340	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	669034	Pressure 2			
Audio Tape		Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

[illegible]



LTER

LMG 06-01

Cast: 34

Event: 360

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure depth (m)	Temperature	Conductivity	Fluorometer	Salts
		:					
1	340 ±	17:52	317	1.54	3.02	1.31e-1	
2	340 ±	:					
		:					
3	250	17:54	250m	1.64	3.02	1.32e-1	
4	250	:					
		:					
5	150	17:57	150m	0.91	2.95	1.39e-1	
6	150	:					
		:					
7	100	17:59	100m	-0.47	2.80	1.51e-1	
8	100	:					
		:					
9	50	18:01	50m	-1.61	2.68	2.12e-1	
10	50	:					
		:					
11	30	18:02	30m	-0.62	2.73	1.02e-1	
12	30	:					
		:					
13	19.5	18:04	19.3	+0.02	2.77	2.80e-1	
14	19.5	:	19				
		:					
15	9	18:05	8.3	+0.38	2.78	6.22e-1	
16	9	:					
		:					
17	7.5	18:06	7.5	+0.38	2.78	6.46e-1	
18	7.5	:					
		:					
19	4	18:07	4	+0.43	2.79	6.87e-1	
20	4	:					
		:					
21	3	18:08	3	+0.51	2.79	5.77e-1	
22	3	:					
		:					
23	0	18:09	1.5	+0.59	2.79	4.08e-1	
24	0	:					

35

370

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/17	6017	22:33	66° 07.742	67° 39.273	400.060	386	
Bottom	2006/	-	22:49	66 07.743	67 39.342		391	
End	2006/		23:68	66 07.749	67 39.309		404	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	8601035	Pressure 2			
Audio Tape	1 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments


See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 35

Event: 370

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	380±	22:49	363m	1.39	3.01	1.27e-1	
2	380±	:					
		:					
3	300	22:52	300 m	1.38	3.01	1.29e-1	
4	300	:					
		:					
5	200	22:55	200 m	0.96	2.95	1.34e-1	
6	200	:					
		:					
7	100	22:58	100 m	-0.56	2.79	1.58e-1	
8	100	:					
		:					
9	75	22:50	75 m	-1.18	2.72	1.73e-1	
10	75	:					
		:					
11	50	23:02	50	-1.40	2.69	2.50e-1	
12	50	:	49				
		:					
13	18.5	23:03	18.5	-0.87	2.70	2.51e-1	
14	18.5	:					
		:					
15	9.5	23:04	9.5	+0.42	2.78	7.44e-1	
16	9.5	:	9.2				
		:					
17	7.5	23:05	7.7	+0.52	2.79	7.54e-1	
18	7.5	:					
		:					
19	4	22:06	3.6	+0.48	2.79	6.76	
20	4	:	4.0				
		:					
21	3	23:07	3.3	+0.48	2.79	6.91	
22	3	:					
		:					
23	0	23:08	1.8~	+0.47	2.79	7.03	
24	0	:					



376

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/18	018	09:15	65 50.282	66 48.877	450.055	210	
Bottom	2006/		9:24	65 50.246	66 48.901		219	
End	2006/		9:44	65 50.240	66 49.043		215	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601036	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			

[illegible]

LTER

LMG 06-01

Cast: 36

Event: 376

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	200	9:25	18.9	1.00	2.96	$1.33e^{-1}$	
2	200	:					
		:					
3	100	9:28	100.2	-0.35	2.81	$1.55e^{-1}$	
4	100	:					
		:					
5	50	9:31	49.7	-1.55	2.68	$2.39e^{-1}$	
6	50	:					
		:					
7	25	9:33	24.5	-0.06	2.78	$2.11e^0$	
8	25	:					
		:					
9	16.5	9:35	16.5	0.67	2.77	$6.51e^0$	
10	16.5	:					
		:					
11	14	9:36	13.9	0.08	2.75	$8.78e^0$	
12	14	:					
		:					
13	9	9:38	8.9	0.60	2.78	$9.58e^0$	
14	9	:					
		:					
15	6.5	9:39	6.4	0.73	2.71	$9.37e^0$	
16	6.5	:					
		:					
17	4	9:40	3.9	0.81	2.80	$8.91e^0$	
18	4	:					
		:					
19	3	9:42	2.9	0.80	2.80	$9.5e^0$	
20	3	:					
		:					
21	3	:					
22	3	:					
		:					
23	0	9:43	1.6	0.80	2.80	$9.42e^0$	
24	0	:					

**Event:** 453

**Event:** 453



LTER

LMG 06-01

Cast: 37

Event: 453

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	170 ±	9:03	155	.83	2.94	1.36e <sup>-1</sup>	
2	170 ±	:					
		:					
3	140	9:05	140.2	.66	2.92	1.42e <sup>-1</sup>	
4	140	:					
		:					
5	125	9:07	124.5	.46	2.9	1.38e <sup>-1</sup>	
6	125	:					
		:					
7	100	9:10	99.1	-.12	2.8	1.54e <sup>-1</sup>	
8	100	:					
		:					
9	75	9:13	74.8	-.96	2.74	1.63e <sup>-1</sup>	
10	75	:					
		:					
11	50	9:15	50.3	-1.20	2.71	2.16e <sup>-1</sup>	
12	50	:					
		:					
13	25	9:18	24.8	0.15	2.77	5.26e <sup>0</sup>	
14	25	:					
		:					
15	20	9:20	20.5	-0.87	2.7	1.95e <sup>0</sup>	
16	20	:					
		:					
17	15	9:21	15.0	-0.26	2.74	4.13e <sup>0</sup>	
18	15	:					
		:					
19	8	9:22	8.6	-0.20	2.76	4.15e <sup>0</sup>	
20	8	:					
		:					
21	5	9:23	5.5				
22	5	:					
		:					
23	0	9:24	1.9	Trip on fly			
24	0	:					

**Event:** 458

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/19	6019	16:02	66°53.410	68°55.614	300.040	988~700	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	0601038	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

Bottles 5 & 6 fired @ 300db, not 300m,  
but hey, whats 1%?

LTER

LMG 06-01

Cast: 38

Event: 458

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	690±	16:25	638m	1.35	3.02	1.32e-1	
2	690	:					
		:					
3	500	16:29	500m	1.37	3.02	1.34e-1	
4	500	:					
		:					
5	300	16:34	297m	1.53	3.02	1.26e-1	
6	300	:					
		:					
7	200	16:37	200m	1.19	2.94	1.30e-1	
8	200	:					
		:					
9	100	16:40	100m	-0.31	2.81	1.46e-1	
10	100	:					
		:					
11	50	16:42	50m	-1.37	2.69	2.14e-1	
12	50	:					
		:					
13	26	16:44	26m	-1.04	2.69	1.57e-1	
14	26	:					
		:					
15	14	16:46	14m	+0.25	2.77	3.45e-1	
16	14	:					
		:					
17	11	16:47	11m	+0.26	2.77	3.13e-1	
18	11	:					
		:					
19	7	16:48	7.2	+0.27	2.77	2.61e-1	
20	7	:	6.98				
		:					
21	4	16:49	4	0.28	2.77	1.22e-1	
22	4	:					
		:					
23	0	16:50	1.5	0.31	2.77	-9e-3	? Huh?
24	0	:	SURF ON THE FLY				



**Event:** 469

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/19	6019	20:51	16°45.800	69°14.559	300.060	215	
Bottom	2006/		21:03	.844	.585			
End	2006/		21:17	.799	.626			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			
File Name	6601039	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	


See Back of Log Sheet for Underway Log

LTER

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Cast: 39

Event: 469

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	200	21:03	204.4	1.17	2.98	1.37e-1	
2	200	:					
		:					
3	150	21:05	150	0.57	2.91	1.30e-1	
4	150	:					
		:					
5	125	21:07	124	0.17	2.89	1.36e-1	
6	125	:	125				
		:					
7	100	21:08	100	-0.36	2.82	1.46e-1	
8	100	:					
		:					
9	75	21:09	75	-1.13	2.73	1.69e-1	
10	75	:	74				
		:					
11	50	21:11	50m	-1.36	2.70	1.20e-1	
12	50	:					
		:					
13	32	21:12	33	-1.02	2.70	2.15e-1	
14	32	:	32				
		:					
15	17	21:13	16.6	-0.48	2.79	1.47e-1	
16	17	:	16.8				
		:					
17	12	21:14	12	-0.52	2.79	3.89e-1	
18	12	:	11.9				
		:					
19	8	21:15	8.3	-0.53	2.79	6.01e-1	
20	8	:					
		:					
21	4	21:16	3.7	0.53	2.79	1.56e-1	
22	4	:					
		:					
23	0	21:17	1.7	0.54	2.79	1.17e-1	
24	0	:					

**Event:** 476

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/19	6019	23:19	66° 38.087	69° 33.229	300-080	416	
Bottom	2006/		23:37	66° 38.056	69° 33.296			
End	2006/		23:56	66° 38.058	69° 33.195			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKP	Pressure 1			
File Name	0601040	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

Need to update our processing software!  
We're running 5.31a, latest is something like 5.36,  
and has a new feature in loopedit!



LTER

LMG 06-01

Cast: 640

Event: 476

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	400t	23:37	395	1.43	3.02	1.32e-1	
2	400t	:					
		:					
3	300	23:39	300	1.43	3.01	1.27e-1	
4	300	:					
		:					
5	200	23:42	200	1.22	2.98	1.31e-1	
6	200	:					
		:					
7	100	23:45	100	-0.50	2.80	1.67e-1	
8	100	:					
		:					
9	75	23:47	75	-1.02	2.74	2.34e-1	
10	75	:					
		:					
11	50	23:49	50	-1.43	2.69	4.96e-1	
12	50	:					
		:					
13	30.5	23:51	30.5	-0.87	2.73	1.76e0	
14	30.5	:					
		:					
15	15	23:52	14.6	+0.97	2.84	3.47e0	
16	15	:					
		:					
17	11.5	23:53	11.7	0.93	2.84	4.52e0	
18	11.5	:	11.3				
		:					
19	6.5	23:54	6.5	0.90	2.83	4.00e0	
20	6.5	:					
		:					
21	4	23:55	3.7	0.90	2.83	4.22e0	
22	4	:	4.0				
		:					
23	0	23:56	1.7	0.90	2.83	3.79e0	
24	0	:					

**Event:** 494

**Event:**

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601020	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			

[illegible]



LTER

LMG 06-01

Cast: 41

Event: 494

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure Depth	Temperature	Conductivity	Fluorometer	Salts
		:					
1	480±	11 :05	466	1.23	3.01	1.33 <sup>e-1</sup>	
2	480±	:					
		:					
3	400	11 :09	400	1.35	3.01	1.29 <sup>e-1</sup>	
4	400	:					
		:					
5	300	11 :14	300	1.51	3.02	1.43 <sup>e-1</sup>	
6	300	:					
		:					
7	200	11 :18	200	0.94	2.95	1.92 <sup>e-1</sup>	
8	200	:					
		:					
9	100	11 :22	100	-1.10	2.74	5.68 <sup>e-1</sup>	
10	100	:					
		:					
11	50	11 :25	50	-0.79	2.75	4.9 <sup>e-1</sup>	
12	50	:					
		:					
13	31	11 :27	31	-0.05	2.80	8.21 <sup>e-1</sup>	
14	31	:					
		:					
15	15.5	11 :30	15.5	0.98	2.86	5.08 <sup>e+0</sup>	
16	15.5	:					
		:					
17	12	11 :31	12	0.98	2.86	4.47 <sup>e+0</sup>	
18	12	:					
		:					
19	7	11 :32	7	0.97	2.86	3.6 <sup>e+0</sup>	
20	7	:					
		:					
21	4	11 :33	4	0.97	2.86	4.9 <sup>e+0</sup>	
22	4	:					
		:					
23	0	11 :34	0	0.9	2.86		
24	0	:		0.9	2.86		



**Event:** 501

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/20	020	13:28	66°22.562	70°10.524	300.120	485	
Bottom	2006/		13:41	66°22.542	70°10.512		468	
End	2006/		14:11	66°22.589	70°10.598		486	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G661042	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			

[illegible]

LTER

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Cast: 42

Event: 501

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	470±	13:41	452	1.33	3.01	1.32e <sup>-1</sup>	
2	470±	:					
		:					
3	400	13:44	406.1	1.44	3.02	1.33e <sup>-1</sup>	
4	400	:					
		:					
5	300	13:48	299.8	1.41	3.01	1.52e <sup>-1</sup>	
6	300	:					
		:					
7	200	13:53	200.2	0.82	2.94	2.91e <sup>-1</sup>	
8	200	:					
		:					
9	100	13:57	100.6	-1.15	2.73	1.25e <sup>0</sup>	
10	100	:					
		:					
11	50	14:00	50.3	0.27	2.84	4.87e <sup>-1</sup>	
12	50	:					
		:					
13	33	14:02	32.8	-0.07	2.80	1.70e <sup>0</sup>	
14	33	:					
		:					
15	17	14:04	16.9	1.20	2.88	3.26e <sup>0</sup>	
16	17	:					
		:					
17	13	14:06	13.1	1.22	2.88	4.64e <sup>0</sup>	
18	13	:					
		:					
19	8	14:08	7.9	1.22	2.88	3.57e <sup>0</sup>	
20	8	:					
		:					
21	4	14:09	4.2	1.22	2.88	4.44e <sup>0</sup>	
22	4	:					
		:					
23	0	14:11	1.8	6A	Fluor		
24	0	:					

**Event:** 511

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/20	6020	19:07	66°14.718	70°29.969	300.140	520	
Bottom	2006/		19:28	66° 14.701	70°29.013		525	
End	2006/		19:51	14.626	28.835		522	

		Sensors	Serial Number	New?	
				Yes	No
Technician	W211P	Pressure 1			X
File Name	12601 043	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

Serviced bottom contact. Next step is cable.

It worked! Oh Frabjous Day!

See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 43

Event: 511

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	500±	19:29	494 <sub>m</sub>	1.35	3.02	1.34e-1	
2	500±	:					
		:					
3	400	19:32	460	1.58	3.03	1.27e-1	
4	400	:					
		:					
5	300	19:35	300m	1.76	3.04	1.40e-1	
6	300	:					
		:					
7	200	19:38	200	1.41	3.00	2.32e-1	
8	200	:	201				
		:					
9	100	19:42	99.5	-0.59	2.79	7.49e-1	
10	100	:					
		:					
11	75	19:44	75	-1.19	2.72	5.15e-1	
12	75	:					
		:					
13	46	19:46	46	-0.95	2.75	5.56e-1	
14	46	:					
		:					
15	24	19:48	23.6	+0.38	2.84	1.32e0	
16	24	:	23.7				
		:					
17	18	19:49	18.1	+0.52	2.85	1.39e0	
18	18	:	18.4				
		:					
19	9	19:50	9	1.05	2.88	1.37	
20	9	:					
		:					
21	4	19:51	4	1.26	2.90	9e-1	
22	4	:					
		:					
23	0	19:51	FIRED ON THE FLY				
24	0	:					

**Event:** 519

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/20	6020	23:01	66° 6' 828	70° 46.951	300, 160	510	
Bottom	2006/		23:22	6.874	47.051		506	
End	2006/		23:43	6.846	47.108		505	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WAP	Pressure 1			X
File Name	8601044	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	X

## Comments

[illegible]



LTER

LMG 06-01

Cast: 44

Event: 519

## Station Log

## SAMPLES

Bottle	Target Press: Depth	Time GMT	Pressure Depth (m)	Temperature °C	Conductivity S/m	Fluoromet er	Salts
		:					
1	500±	23:23	480	1.45	3.03	1.37e-1	
2	500±	:					
		:					
3	400	23:25	401	1.62	3.03	1.24e-1	
4	400	:	400				
		:					
5	300	23:28	299.8	1.37	3.00	1.43e-1	
6	300	:					
		:					
7	200	23:32	200	1.60	2.92	2.28e-1	
8	200	:	201				
		:					
9	100	23:35	99.4	-1.16	2.74	5.14e-1	
10	100	:	99.8				
		:					
11	50	23:36	50	-1.08	2.73	1.51e-1	
12	50	:					
		:					
13	36	23:38	36	+0.26	2.84	1.55e-1	
14	36	:					
		:					
15	18.5	23:39	18.5	+1.41	2.90	1.67e-1	
16	18.5	:					
		:					
17	13.5	23:40	13.5	+1.54	2.91	1.67e-1	
18	13.5	:	13.2				
		:					
19	7	23:41	6.8	+1.54	2.91	1.60e-1	
20	7	:					
		:					
21	4	23:42	4	+1.53	2.91	1.69e-1	
22	4	:					
		:					
23	0	:		1.53	2.91	1.65e-1	
24	0	:					

FINISHED ON THE FLY



**Nominal Station:**

### Cast:

**Event:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/21	021	17:35	65.51021	71.22879	300.200	~3100	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	W/4	Pressure 1			X
File Name	8601045	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

Shallow cast w/ PAR

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 45

Event: 535

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
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:** 536

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/ 21	6021	18:01	65° 51.010	71° 22.921	600.200	~3100	
Bottom	2006/		19:11	65 50.874	71 23.021		3103	
End	2006/		20:23	65 51.160	71 24.593		3093	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			X
File Name	0601046	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

Deep w/ Bottles.

NO PAR

See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 46

Event: 536

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3050±	19:11	3053m	0.44	3.04	6.91e-1	
2	3050	:					
		:					
3	2000	19:31	2000m	0.72	3.03	1.19e-1	
4	2000	:					
		:					
5	1000	19:52	999.7	1.32	3.04	1.21e-1	
6	1000	:					
		:					
7	500	20:04	500m	1.74	3.65	1.27e-1	
8	500	:					
		:					
9	250	20:11	250	1.13	2.98	1.31e-1	
10	250	:	251				
		:					
11	100	20:15	100	-0.67	2.79	7.01e-1	
12	100	:	101				
		:					
13	61	20:17	61	-0.04	2.80	1.65e-1	
14	61	:					
		:					
15	31	20:18	30	0.55	2.88	1.12e-1	
16	31	:	31				
		:					
17	25	20:19	26	2.25	2.99	1.13e-1	
18	25	:	25				
		:					
19	15	20:20	14	1.30	2.99	1.03e-1	
20	15	:	15				
		:					
21	7	20:21	7	2.31	2.99	1.43e-1	
22	7	:					
		:					
23	0	20:22	FINISHED ON THE FLY				
24	0	:					

**Event:** 541

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/21	6021	22:21	65° 58.937	71° 05.003	300.180	3037	
Bottom	2006/		:	65° 58.912	71° 05.071		3027	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure 1			
File Name	9601047	Pressure 2			
Audio Tape	N/A	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: 47

Event: 541

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3000±	23:29	2979	0.44	3.04	1.17e-1	
2	3000	:					
		:					
3	2000	23:49	2000m	0.69	3.02	1.21e-1	
4	2000	:					
		:					
5	1000	00:11	1000m	1.26	3.03	1.23e-1	
6	1000	:					
		:					
7	500	00:20	499	1.79	3.06	1.73e-1	
8	500	:	501				
		:					
9	100	00:29	99	0.06	2.85	6.17e-1	
10	100	:	100				
		:					
11	50	00:30	49	-0.14	2.80	1.84e0	
12	50	:	50				
		:					
13	39	00:31	39	+0.32	2.84	1.26e0	
14	39	:					
		:					
15	18	00:33	18	1.86	2.95	2.65e0	
16	18	:					
		:					
17	13	00:34	12.5	1.87	2.95	2.80e0	
18	13	:	13				
		:					
19	7.5	00:35	6.8	1.88	2.95	2.51e0	
20	7.5	:	7.2				
		:					
21	5	00:36	5.15h	1.88	2.95	2.6e0	
22	5	:					
		:					
23	0	00:36	FIRE ON THE RAY				
24	0	:					



**Event:** 542

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	1522	01:31	65.5267	71.6461	300.180		
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WV	Pressure 1			X
File Name	2601048	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

Comments

No PAN  
Water Bounce for Tim

See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 48

Event: 542

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
	75m	:	75m				
1		:		-1.08	2.73	6.5e-1	
2		:					
		:			(2.73)		
3		:					
4		:					
		:					
5		:					
6		:					
		:					
7		:					
8		:					
		:					
9		:					
10		:					
		:					
11		:					
12		:					
		:					
13		:					
14		:					
		:					
15		:					
16		:					
		:					
17		:					
18		:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

**Event:** 548

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	022	11:47	66°02.144	73°53.722	200.260	3694	
Bottom	2006/01/22	022	12:58	66°02.066	73°54.369		3698	
End	2006/01/22	022	14:24	66°02.079	73°55.350		3702	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601049	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			

shallow fish 3400m limit



LTER

LMG 06-01

Cast: 49

Event: 548

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3400	12:58	3341	0.47	3.06	$1.13e^{-1}$	
2	3400	:	3400 dB				
		:					
3	2000	13:26	2000.8	1.02	3.65	$1.19e^{-1}$	
4	2000	:					
		:					
5	1000	13:48	1001	1.28	3.68	$1.31e^{-1}$	
6	1000	:					
		:					
7	250	14:06	249.1	1.71	3.61	$1.58e^{-1}$	
8	250	:					
		:					
9	150	14:09	150	0.51	2.88	$1.70e^{-1}$	
10	150	:					
		:					
11	82	14:13	81.9	-0.97	2.74	$2.51e^{-1}$	
12	82	:					
		:					
13	50	14:15	50.0	0.14	2.83	$5.19e^{-1}$	
14	50	:					
		:					
15	38.5	14:17	38.3	1.81	2.97	$6.81e^{-1}$	
16	38.5	:					
		:					
17	29	14:19	29.4	1.94	2.98	$7.3e^{-1}$	
18	29	:					
		:					
19	15	14:20	15.5	1.96	2.98	$5.1e^{-1}$	
20	15	:					
		:					
21	5.5	14:23	5.5	1.96	2.98	$3.57e^{-1}$	
22	5.5	:					
		:					
23	0	14:24	0.5	1.97	2.98	$3.57e^{-1}$	
24	0	:					

**Event:** 558

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	6022	18:28	66°10.256	73°37.379	200.240	3640	
Bottom	2006/		19:43	66°10.382	73°37.799			
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WUP	Pressure 1			X
File Name	9601050	Pressure 2			
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

No PAR.  
Going to 3400m  
Just CLEANED SALINITY CELLS w/ 3% TritonX-100



LTER

LMG 06-01

Cast: 050

Event: 558

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3400	19:43	3400(dB)	0.47	3.06	1.17e-1	
2	3400	:	= 3342(m)				
		:					
3	2500	20:02	2500m	0.77	3.05	1.17e-1	
4	2500	:					
		:					
5	1500	20:22	1500m	1.35	3.06	1.25e-1	
6	1500	:					
		:					
7	500	20:42	499.9	2.11	3.08	1.35e-1	
8	500	:	500				
		:					
9	100	20:50	100	-1.34	2.71	1.74e-1	
10	100	:	101				
		:					
11	89	20:52	89	-1.39	2.71	1.86e-1	
12	89	:	88				
		:					
13	65	20:53	65	-0.92	2.74	2.76e-1	
14	65	:					
		:					
15	44.5	20:55	44.2	-0.04	2.81	4.90e-1	
16	44.5	:	45.3				
		:					
17	33.5	20:57	33.5	+0.61	2.86	8.70e-1	
18	33.5	:	34				
		:					
19	18	20:58	18	2.01	2.95	4.64e-1	
20	18	:	19				
		:					
21	6.5	21:00	6.5	2.08	2.99	4.08e-1	
22	6.5	:	7.0				
		:					
23	0	21:00	1.76	2.10	2.99	3.91e-1	
24	0	:					



LTER LMG 06-01

Cast:

051

Event:

563

Nominal Station:

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/22	6022	22:50	66 18.425	73 19.266	200-220	3657	
Bottom	2006/01/23	6023	00:08	66 17.983	73 17.545		3645	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WNY	Pressure 1			X
File Name	8601051	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

No PAR
to 3400m
See Back of Log Sheet for Underway Log

LTER

LMG 06-01

Cast: 051

Event: 563

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3400	00:09	3400(m)	+0.44	3.06	1.14e-1	
2	3400	:					
		:					
3	2000	00:36	2000	+0.92	3.05	1.16e-1	
4	2000	:					
		:					
5	1000	00:56	1000	1.71	3.07	1.23e-1	
6	1000	:					
		:					
7	500	01:08	500	2.02	3.08	1.31e-1	
8	500	:					
		:					
9	250	01:13	250	2.99	3.04	1.38e-1	
10	250	:					
		:					
11	100	01:17	100	-6.38	2.80	1.71e-1	
12	100	:	101				
		:					
13	83	01:18	83	-1.31	2.71	1.78e-1	
14	83	:					
		:					
15	43	01:20	43	-0.62	2.76	5.01e-1	
16	43	:					
		:					
17	33.5	01:22	33.5	+0.62	2.86	9.76e-1	
18	33.5	:	34.2				
		:					
19	18.5	01:23	18.9	2.10	2.99	5.43e-1	
20	18.5	:					
		:					
21	7.5	01:25	7.5	2.13	2.99	5.30e-1	
22	7.5	:	6.9				
		:					
23	0	01:25		2.13	2.99	5.30e-1	
24	0	:					

**Event:** 576

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	023	10:25	66°26.552	73°01.888	200.2000	3702	
Bottom	2006/		11:32	66°26.442	73°01.192		3701	
End	2006/	023	12:59	66°26.635	73°00.471		3696	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name		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

[illegible]



LTER

LMG 06-01

Cast: 52

Event: 576

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3400	11:32	3400.4	0.40	3.05	$1.10e^{-1}$	
2	3400	:					
		:					
3	2500	11:55	2499.6	0.64	3.04	$1.16e^{-1}$	
4	2500	:					
		:					
5	1500	12:16	1500.1	1.16	3.05	$1.19e^{-1}$	
6	1500	:					
		:					
7	500	12:36	505.1	1.96	3.07	$1.30e^{-1}$	
8	500	:					
		:					
9	250	12:42	250.1	1.92	3.05	$1.66e^{-1}$	
10	250	:					
		:					
11	100	12:48	100.4	-1.23	2.72	$3.9e^{-1}$	
12	100	:					
		:					
13	60	12:50	59.3	-0.43	2.78	$1.63e^{-1}$	
14	60	:					
		:					
15	35	12:52	25.1	-0.71	2.85	$9.7e^{-1}$	
16	35	:					
		:					
17	26	12:53	25.9	2.13	2.98	$9.5e^{-1}$	
18	26	:					
		:					
19	14	12:55	14.1	2.16	2.99	$8.88e^{-1}$	
20	14	:					
		:					
21	5	12:57	5.1	2.17	2.99	$7.4e^{-1}$	
22	5	:					
		:					
23	0	12:58	1.4	2.16	2.99	$6.7e^{-1}$	
24	0	:					

**Event:** 582

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	023	14:42	66°34.758	72°44.465	206.180	3553	
Bottom	2006/		15:55	66°34.91	72°44.522		3563	
End	2006/		17:15	66°34.920	72°44.433		3558	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS/WK	Pressure 1			X
File Name	G661053	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			✓
		Scatterometer			
		Fluorometer			X
		Altimeter			

[illegible]

LTER

LMG 06-01

Cast: 53

Event: 582

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3400	15:56	3400	0.37	3.05	1.13e-1	
2	3400	:					
		:					
3	2500	16:15	2500	0.61	3.04	1.18e-1	
4	2500	:					
		:					
5	1500	16:34	1500	1.07	3.04	1.17e-1	
6	1500	:					
		:					
7	500	16:55	500 m	1.83	3.06	1.23e-1	
8	500	:					
		:					
9	250	17:01	250	1.72	3.03	1.56e-1	
10	250	:					
		:					
11	100	17:05	100	-0.69	2.78	4.78e-1	
12	100	:					
		:					
13	53.5	17:08	53.5	-0.43	2.77	1.75e-1	
14	53.5	:					
		:					
15	29	17:10	29	2.23	2.97	1.5e-1	
16	29	:					
		:					
17	21.5	17:11	~22	2.29	3.00	1.11e-1	
18	21.5	:					
		:					
19	12	17:13	12	2.29	3.00	9.57e-1	
20	12	:					
		:					
21	5	17:14	5	2.29	3.00	6.75e-1	
22	5	:					
		:					
23	0	17:14	0.47	2.29	3.00	6.43e-1	
24	0	:					



**Event:** 592

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/23	6023	21:31	66°42.824	72°26.453	200.160	3279	
Bottom	2006/		:					
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WJH	Pressure 1			X
File Name	2601054	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

No fan  
Noisy

LTER

LMG 06-01

Cast: 054

Event: 592

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	3200	22:43	3225	0.39	3.05	1.21e-1	
2	3200	:					
		:					
3	2000	23:08	2000	0.73	3.02	1.12e-1	
4	2000	:					
		:					
5	1000	23:29	1000m	1.39	3.04	1.21e-1	
6	1000	:					
		:					
7	500	23:40	500	1.87	3.06	1.27e-1	
8	500	:	499				
		:					
9	250	23:46	250	1.90	3.06	1.46e-1	
10	250	:					
		:					
11	100	23:50	100m	-0.01	2.84	1.81e-1	
12	100	:					
		:					
13	52.5	23:52	52.5	-1.07	2.73	4.82e-1	
14	52.5	:					
		:					
15	31.5	23:54	31.5	-0.37	2.84	1.20e-1	
16	31.5	:					
		:					
17	24	23:55	24	0.91	2.79	1.25e-1	
18	24	:	25				
		:					
19	13	23:56	13	1.99	2.98	1.32e-1	
20	13	:					
		:					
21	5	23:57	5	2.00	2.98	1.41e-1	
22	5	:					
		:					
23	0	23:58	1.6	2.00	2.98	1.45e-1	
24	0	:					

**Event:** 608

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	024	09:30	66°50.850	72°08.258	200.140	430	
Bottom	2006/		9:41	66°50.873	72°08.175		424	
End	2006/		10:05	66°50.891	72°08.128		423	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601024	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 ON



LTER

LMG 06-01

Cast: 55

Event: 608

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	410	9:41	400.9	1.41	3.02	$1.38e^{-1}$	
2	410	:					
		:					
3	300	9:45	300.4	1.31	3.00	$1.26e^{-1}$	
4	300	:					
		:					
5	200	9:49	200.1	0.82	2.94	$1.40e^{-1}$	
6	200	:					
		:					
7	100	9:52	100.2	-0.47	2.80	$1.57e^{-1}$	
8	100	:					
		:					
9	50	9:55	50.1	-1.5	2.68	$3.2e^{-1}$	
10	50	:					
		:					
11	30	9:58	29.6	-1.52	2.67	$7.2e^{-1}$	
12	30	:					
		:					
13	19	9:59	19.1	-1.52	2.66	$6.26e^{-1}$	
14	19	:					
		:					
15	9.5	10:00	9.6	-0.49	2.71	$6.24e^0$	
16	9.5	:					
		:					
17	7	10:02	7.1	-0.22	2.73	$5.85e^0$	
18	7	:					
		:					
19	4	10:03	4.3	-0.22	2.73	$6.49e^0$	
20	4	:					
		:					
21	3	10:04	3	-0.21	2.73	$6.42e^0$	
22	3	:					
		:					
23	0	10:05	~1				
24	0	:					

**Event:** 615

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	024	11:47	66°58.931	71°50.161	200.120	439	
Bottom	2006/		12:01	66°58.905	71°50.072		445	
End	2006/		12:24	66°58.922	71°49.891		446	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FVAS	Pressure 1			X
File Name	G601056	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

[illegible]

LTER

LMG 06-01

Cast: 56

Event: 615

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	430	12:02	420	1.36	3.01	$1.51e^{-1}$	
2	430	:					
		:					
3	300	12:05	299.7	1.45	3.01	$1.57e^{-1}$	
4	300	:					
		:					
5	200	12:09	200.5	1.00	2.96	$1.42e^{-1}$	
6	200	:					
		:					
7	100	12:12	100.3	-0.62	2.78	$1.58e^{-1}$	
8	100	:					
		:					
9	50	12:14	50.2	-1.53	2.68	$5.00e^{-1}$	
10	50	:					
		:					
11	35	12:16	35	-1.54	2.67	$1.21e^0$	
12	35	:					
		:					
13	25.5	12:17	25.4	-1.19	2.69	$1.43e^0$	
14	25.5	:					
		:					
15	13	12:19	13.1	0.15	2.79	$5.95e^0$	
16	13	:					
		:					
17	10	12:20	10.2	0.54	2.80	$3.90e^0$	
18	10	:					
		:					
19	5.5	12:21	5.5	0.56	2.80	$2.5e^0$	
20	5.5	:					
		:					
21	3	12:23	3.2	0.56	2.80	$2.32e^0$	
22	3	:					
		:					
23	0	12:24	1.3				
24	0	:					



**Event:** 625

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	6024	16:12	67 07 030	71 32.377	200.100	437	
Bottom	2006/		16:29	67 07.088	71 32.622		436	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	W114	Pressure 1			
File Name	8601057	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

Scrammed up... thought my next stop after 200  
was 100... had to go back for it.

LTER

LMG 06-01

Cast: 57

Event: 625

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	420	16:30	415m	1.37	3.01	1.46e-1	
2	420	:	416m				
		:					
3	300	16:34	300	1.34	3.00	1.39e-1	
4	300	:					
		:					
5	200	16:39	200	0.901	2.96	1.47e-1	
6	200	:					
		:					
7	100	16:42	100	-0.96	2.74	2.34e-1	
8	100	:					
		:					
9	50	16:45	50	-1.46	2.68	6.07e-1	
10	50	:					
		:					
11	30	16:46	29.9	-0.70	2.72	3.01e0	
12	30	:					
		:					
13	16	16:48	15.8	0.41	2.79	8.90e0	
14	16	:	15.6				
		:					
15	8	16:49	7.7	0.52	2.79	8.5e0	
16	8	:	8.7				
		:					
17	7	16:50	6.9	0.47	2.79	4.97e0	
18	7	:	7.3				
		:					
19	4	16:51	4.3	0.57	2.80	3.05e0	
20	4	:					
		:					
21	3	16:52	3.5	0.61	2.80	1.76e0	
22	3	:	2.0				
		:					
23	0	16:57	0.65	0.60	2.80	1.97e0	
24	0	:					

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/24	10024	21:10	67°14.905	71°13.499	206.080	464	
Bottom	2006/		21:29	67°14.975	71°13.337	2	464	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			X
File Name	g601058	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		— N/A —	
		Fluorometer			
		Altimeter		— N/A —	

## Comments


See Back of Log Sheet for Underway Log



LTER

LMG 06-01

Cast: 58

Event: 636

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	450	21:29	438m	1.38	3.01	1.40e-1	
2	450	:	438m				
		:					
3	300	21:30	299.4	1.30	3.00	1.29e-1	
4	300	:					
		:					
5	200	21:39	260	0.97	2.96	1.29e-1	
6	200	:					
		:					
7	100	21:43	100	-0.61	2.79	1.51e-1	
8	100	:	99.5				
		:					
9	50	21:45	49.9	-1.35	2.76	4.54e-1	
10	50	:	50.3				
		:					
11	30	21:47	30	-1.24	2.69	1.24e-1	
12	30	:	3.4				
		:					
13	19	21:48	19	+0.58	2.82	7.56e-1	
14	19	:	19.5				
		:					
15	10	21:49	10.2	+0.68	2.83	5.70e-1	
16	10	:	9.8				
		:					
17	7	21:50	7.4	+0.76	2.83	6.57	
18	7	:	7				
		:					
19	4	21:51	4.3	0.74	2.83	5.02	
20	4	:					
		:					
21	3	21:52	3.0	0.72	2.83	6.16	
22	3	:	3.4				
		:					
23	0	21:52	1.0	0.73	2.83	4.31	
24	0	:					

**LTER**      **LMG 06-01**

**Cast:** 59

**Event:** 650

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/25	6025	20:23	67°30.517	70°35.509	200.040	767	
Bottom	2006/		20:48	67°30.484	70°35.419		768	
End	2006/		20:13	67°30.442	70°35.401		769	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			X
File Name	8601059	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

[illegible]



LTER

LMG 06-01

Cast: 59

Event: 650

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	750	20:49	740	11.34	3.03	1.32e-1	
2	750	:					
		:					
3	550	20:54	550	1.37	3.02	1.25e-1	
4	550	:	551				
		:					
5	400	20:57	400	1.40	3.01	1.29e-1	
6	400	:					
		:					
7	250	21:01	250	1.32	3.00	1.25e-1	
8	250	:					
		:					
9	100	21:05	100	-0.50	2.80	1.45e-1	
10	100	:					
		:					
11	50	21:06	50	-1.40	2.69	2.06e-1	
12	50	:					
		:					
13	29.5	21:08	29.2	-1.17	2.69	1.01e-1	
14	29.5	:					
		:					
15	15	21:09	15	-0.92	2.68	4.0e-1	
16	15	:					
		:					
17	11	21:10	11.3	-0.92	2.68	3.20e-1	
18	11	:					
		:					
19	6.5	21:11	6.3	-0.84	2.69	3.35	
20	6.5	:					
		:					
21	3	21:12	2.8	-0.82	2.69	2.45	
22	3	:	3.2				
		:					
23	0	21:12	0.91	-0.79	2.69	2.26e-1	
24	0	:					



**LTER**      **LMG 06-01**

Cast: 60

**Event:** 653

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/25	6025	22:58	67°22.795	70°54.493	200.060	516	
Bottom	2006/		23:19	67°22.740	70°54.429		513	
End	2006/		23:44	67°22.735	70°54.319			

from event log

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure 1			
File Name	869060	Pressure 2			X
Audio Tape	0 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

[illegible]

LTER

LMG 06-01

Cast: 60

Event: 663

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	500	23:20	493	1.35	3.02	1.31e-1	
2	500	:					
		:					
3	350	23:23	350	1.38	3.01	1.25e-1	
4	350	:					
		:					
5	200	23:27	200	1.06	2.97	1.29e-1	
6	200	:					
		:					
7	100	23:30	100	-0.72	2.77	1.51e-1	
8	100	:					
		:					
9	50	23:33	50	-1.61	2.66	3.05e-1	
10	50	:	49.6				
		:					
11	30	23:34	30.8	-1.35	2.66	1.07e0	
12	30	:					
		:					
13	21.5	23:35	21.5	-1.44	2.68	2.90e0	
14	21.5	:					
		:					
15	11.5	23:38	11.5	-0.87	2.68	4.22	
16	11.5	:	12				
		:					
17	6	23:38	6.5	-0.86	2.68	4.65	
18	6	:					
		:					
19	4.5	23:39	4	-0.86	2.68	4.94	
20	4.5	:	4.5				
		:					
21	3	23:40	3	-0.86	2.68	3.64	
22	3	:					
		:					
23	0	23:40	2.65	-0.86	2.68	3.71	
24	0	:					

**Event:** 668

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/26	026	09:37	67°38.480	70°16.415	200.020	579	
Bottom	2006/		9:52	67°38.986	70°16.407		574	
End	2006/		10:27	67°38.656	70°16.549		588	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAB	Pressure 1			X
File Name	G1601026	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			

[illegible]



LTER

LMG 06-01

Cast: 61

Event: 668

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	560	9:52	559.8	1.29	3.02	$1.28e^{-1}$	
2	560	:					
		:					
3	350	9:58	349.9	1.47	3.02	$1.28e^{-1}$	
4	350	:					
		:					
5	200	10:05	199.8	0.97	2.74	$1.29e^{-1}$	
6	200	:					
		:					
7	100	10:09	100.4	-1.08	2.74	$1.63e^{-1}$	
8	100	:					
		:					
9	50	10:12	49.8	-1.26	2.69	$1.54e^0$	
10	50	:					
		:					
11	30	10:14	30.6	0.19	2.79	$3.61e^0$	
12	30	:					
		:					
13	21	10:15	21.1	0.29	2.78	$4.5e^0$	
14	21	:					
		:					
15	11.5	10:17	11.3	-0.56	2.70	$4.16e^0$	
16	11.5	:					
		:					
17	9	10:18	8.7	-0.56	2.70	$4.36e^0$	
18	9	:					
		:					
19	5	10:19	5	-0.57	2.70	$4.18e^0$	
20	5	:					
		:					
21	3	10:20	2.9	-0.57	2.70	$5.04e^0$	
22	3	:					
		:					
23	0	10:21	1.4				
24	0	:					

**Event:** 673

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/26	626	12:12	67 46.355	69 56.531	200.000	714	
Bottom	2006/		12:29	67 46.452	69 56.504		728	
End	2006/		12:59	67 46.612	69 56.524		741	

Fill-in  
from event  
was

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1		X	
File Name	G601026	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

[illegible]

LTER

LMG 06-01

Cast: 62

Event: 673

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	700	12:30	677.7	1.35	3.63	$1.31e^{-1}$	
2	700	:					
		:					
3	500	12:35	500.2	1.41	3.02	$1.23e^{-1}$	
4	500	:					
		:					
5	300	12:40	300.2	1.38	3.00	$1.31e^{-1}$	
6	300	:					
		:					
7	100	12:46	100.7	-0.92	2.74	$1.72e^{-1}$	
8	100	:					
		:					
9	50	12:49	50.1	-0.32	2.74	$4.18e^0$	
10	50	:					
		:					
11	30	12:51	30.1	-0.02	2.76	$5.66e^0$	
12	30	:					
		:					
13	20	12:53	19.9	-0.00	2.76	$4.61e^0$	
14	20	:					
		:					
15	11	12:54	11.4	0.00	2.76	$5.87e^0$	
16	11	:					
		:					
17	8	12:55	7.9	0.01	2.76	$6.24e^0$	
18	8	:					
		:					
19	5	12:56	5.3	0.02	2.76	$5.42e^0$	
20	5	:					
		:					
21	3	12:57	3.3	0.03	2.76	$4.05e^0$	
22	3	:					
		:					
23	0	12:58	1				
24	0	:					



**Event:** 680

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/26	026	16:51	67°53.945	69°36.980	200.-020	166	
Bottom	2006/		17:01	67°53.952	69°37.158	200.-020	182	
End	2006/		17:19	67°54.037	69°37.125		154	

		Sensors	Serial Number	New?	
				Yes	No
Technician	W118	Pressure 1			X
File Name	9601063	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

[illegible]

LTER

LMG 06-01

Cast: 63

Event: 680

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	170	17:02	169	+0.56	2.91	1.43e-1	
2	170	:					
		:					
3	140	17:04	140	+0.05	2.89	1.50e-1	
4	140	:					
		:					
5	100	17:06	100.4	-0.93	2.74	2.26e-1	
6	100	:	99.9				
		:					
7	75	17:08	75	-1.31	2.69	3.43e-1	
8	75	:					
		:					
9	50	17:09	50	-0.66	2.71	2.04e-1	
10	50	:					
		:					
11	35	17:11	35	-0.50	2.72	2.45e-1	
12	35	:					
		:					
13	25	17:12	25	-0.44	2.72	2.69e-1	
14	25	:					
		:					
15	13	17:14	13	-0.17	2.75	3.97e-1	
16	13	:					
		:					
17	9.5	17:15	9.7	-0.31	2.73	3.24e-1	
18	9.5	:	9.6				
		:					
19	5.5	17:16	5.5	-0.08	2.75	4.08e-1	
20	5.5	:					
		:					
21	3	17:18	~3	-0.09	2.75	2.66e-1	
22	3	:					
		:					
23	0	17:18	1.8	-0.04	2.75	3.37e-1	
24	0	:					

689

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/26	026	21:13	67°59.623	69°24.240	200.-033	414	
Bottom	2006/		21:31	67°59.098	69°24.126			
End	2006/		21:50	67°59.020	69°23.964			

		Sensors	Serial Number	New?	
				Yes	No
Technician	WHP	Pressure 1			
File Name	8601 064	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

[illegible]



LTER

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Cast: 64

Event: 689

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	400	21:31	438	1.40	3.02	1.35e-1	
2	400	:					
		:					
3	300	21:35	360	1.33	3.60	1.33e-1	
4	300	:					
		:					
5	200	21:38	260	0.85	2.94	1.44e-1	
6	200	:					
		:					
7	100	21:41	100	-0.91	2.74	1.60e-1	
8	100	:					
		:					
9	50	21:43	50	-1.19	2.67	1.14e-1	
10	50	:					
		:					
11	30	21:45	30	-0.47	2.72	2.35e-1	
12	30	:					
		:					
13	21	21:46	21	-0.60	2.70	4.59	
14	21	:					
		:					
15	12	21:47	12	-0.27	2.72	3.81	
16	12	:					
		:					
17	10	21:48	10	-0.25	2.73	3.47	
18	10	:					
		:					
19	5.5	21:49	5.5	-0.17	2.73	2.53	
20	5.5	:					
		:					
21	3	21:50	3	-0.13	2.73	2.31	
22	3	:					
		:					
23	0	21:50	1.5	-0.13	2.73	2.49	
24	0	:					

**Event:** 697

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/27	027	20:18	67°06.351	67°42.511	320.-014	274	
Bottom	2006/01/27	027	20:30	67°06.288	67°42.602		294	
End	2006/		20:47	67°06.353	67°47.448		298	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			X
File Name	9601065	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

Tickle Passage Station-

See Back of Log Sheet for Underway Log

LTER

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Cast: 65

Event: 697

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	270	20:31	280	1.09	2.97	1.50 e-1	
2	270	:					
		:					
3	200	20:33	200	0.94	2.95	1.47 e-1	
4	200	:					
		:					
5	150	20:35	150	0.70	2.92	1.53 e-1	
6	150	:					
		:					
7	100	20:37	100	0.36	2.88	1.72 e-1	
8	100	:					
		:					
9	50	20:39	50	-0.26	2.80	3.20 e-1	
10	50	:					
		:					
11	30	20:40	30	-0.43	2.77	6.09 e-1	
12	30	:					
		:					
13	25	20:41	24.9	-0.42	2.77	1.05 e0	
14	25	:					
		:					
15	14.5	20:42	14.46	-0.47	2.74	1.81	
16	14.5	:	14.53				
		:					
17	11	20:43	10.8	-0.46	2.74	1.55	
18	11	:					
		:					
19	6.5	20:45	6.7	-0.27	2.75	1.20	
20	6.5	:					
		:					
21	3	20:46	3	-0.36	2.75	1.32	
22	3	:					
		:					
23	0	20:46	1.28	-0.08	2.76	6.70	
24	0	:					



**Nominal Station:**

**Cast:** 66

Event: 700

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/ 01/28	6028	15:28	67° 44.757	68° 07.811		496	
Bottom	2006/		:			518		
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKP	Pressure 1			X
File Name	0601066	Pressure 2			
Audio Tape	6 N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

"Rothera 2" WAYPOINT

LTER

LMG 06-01

Cast: 66

Event: 700

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	Bottom	15:53	463	1.27	3.00	1.43e-1	
2		:					
		:					
3		:	140	0.48	2.90	1.49e-1	
4		:					
		:					
5		:	125	0.24	2.87	1.61e-1	
6		:					
		:					
7	Temp min	16:06	50	-1.39	2.66	1.55e-1	
8		:					
		:					
9		:	29.6	-0.92	2.67	2.27	
10		:					
		:					
11	x	:	84	-0.93	2.62	4.67	
12	8	:					
		:					
13	9-20	:	Surface				
14		:					
		:					
15		:					
16		:					
		:					
17		:					
18		:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

**Event:** 702

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/28	6078	18:00	67°35.069	68°09.715	269.-038	352	
Bottom	2006/		18:19	67°35.080	68°09.570		355	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	WKP	Pressure 1			X
File Name	0601067	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

[illegible]



LTER

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Cast: 67

Event: 702

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Pressure	Temperature	Conductivity	Fluorometer	Salts
		:					
1	Bottom	18:19	334	1.19	2.99	6.56e-1	
2		:					
		:					
3	250	18:22	250	1.11	2.98	1.49e-1	
4		:					
		:					
5	175	18:24	175	0.66	2.92	1.47e-1	
6		:					
		:					
7	125	18:27	125	0.31	2.87	1.64e-1	
8		:					
		:					
9	100	18:28	99.5	-0.18	2.82	1.90e-1	
10		:					
		:					
11	75	18:31	74.8	-0.81	2.74	4.1e-1	
12		:					
		:					
13	50	18:32	50	-0.98	2.68	2.74e0	
14		:					
		:					
15	25	18:34	25.2	-0.76	2.68	2.90e0	
16	25	:					
		:					
17	10	18:35	10	-0.45	2.70	4.50e0	
18	10	:					
		:					
19		:					
20		:					
		:					
21		:					
22	<del>X</del>	:					
		:					
23	<del>X</del>	:					
24	<del>X</del>	:					

**Event:** 703

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/28	028	19:14	6734.591	6813.070		486	
Bottom	2006/		19:35	6734.617	6812.974		460	
End	2006/		:	6734.626	6812.589		452	

		Sensors	Serial Number	New?	
				Yes	No
Technician	Wk P	Pressure 1			X
File Name	6-601068	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			X
		Fluorometer			
		Altimeter			X

[illegible]

LTER

LMG 06-01

Cast:

Event:

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1		:	453	1.22	300	$1.62e^{-1}$	
2		:	450	1.22	300	$1.52e^{-1}$	
		:					
3		:	400	1.19	2.99	$1.46e^{-1}$	
4		:	350	1.17	2.99	$1.42e^{-1}$	
		:					
5		:	300	1.13	2.98	$1.35e^{-1}$	
6		:	250	1.09	2.97	$1.41e^{-1}$	
		:					
7		:	200	0.89	2.95	$1.55e^{-1}$	
8		:	150	0.39	2.89	$1.54e^{-1}$	
		:					
9		:	125	0.09	2.85	$1.81e^{-1}$	
10		:	125	0.09	2.82	$1.81e^{-1}$	
		:					
11		:	100	-0.20	2.75	$1.99e^{-1}$	
12		:	75	-0.68	2.65	$4.6e^{-1}$	
		:					
13		:	50	+0.40	2.68	$1.40e^0$	
14		:	25	-0.80	2.68	$2.52e^0$	
		:					
15		:	15	-0.75	2.69	$3.12e^0$	
16		:	13	-0.56	2.69	$5.50e^0$	
		:					
17		:	13	-0.56	2.69	$5.50e^0$	
18		:	10	-0.53	2.69	$5.15e^0$	
		:					
19		:	1.76	-0.005	2.73	$2.20e^0$	
20		:	1.76				
		:					
21		:					
22		:					
		:					
23		:					
24		:					



**Event:** 714

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/30	030	13:08	67°44.734	69°11.388	225.-620	138	
Bottom	2006/		:	<del>6744</del>				
End	2006/	030	13:33	6744.764	69 11.419		136	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			+
File Name	G60030	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

[illegible]

LTER

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Cast: 69

Event: 714

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1 BOTTOM	125±	13:15	117.	.46	2.9	$2.15e^{-1}$	
2 "	125±	:					
		:					
3	100	13:17	100.0	.33	2.88	$2.07e^{-1}$	
4	100	:					
		:					
5	75	13:19	74.9	-.35	2.8	$4.18e^{-1}$	
6	75	:					
		:					
7	50	13:21	49.9	-.81	2.72	$1.13e^0$	
8	50	:					
		:					
9	25	13:23	25.0	-.71	2.69	$1.94e^0$	
10	25	:					
		:					
11	18	13:34	18.2	-0.65	2.76	$2.22e^0$	
12	18	:					
		:					
13	15	13:25	14.9	-0.63	2.70	$2.89e^0$	
14	15	:					
		:					
15	9	13:27	9.0	-0.25	2.72	$2.93e^0$	
16	9	:					
		:					
17	6	13:28	5.9	-0.20	2.72	$2.37e^0$	
18	6	:					
		:					
19	4	13:29	4.0	-0.20	2.72	$1.90e^0$	
20	4	:					
		:					
21	2	13:30	1.9	-0.19	2.72	$4.72e^{-1}$	
22	2	:					
		:					
23	0	13:31	0.9	-.19	2.72	$7.3e^{-1}$	
24	0	:					

Event: 773

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/01/31	6031	22:38	66°08.855	66°19.248	440.015	426	
Bottom	2006/		22:56	66°08.744	66°19.190		433	
End	2006/		23:16	66°08.750	66°19.239		430	

		Sensors	Serial Number	New?	
				Yes	No
Technician	WLP	Pressure 1			X
File Name	0601070	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

## Comments

[illegible]



LTER

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Cast: 70

Event: 773

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	400	22:57	401	1.38	3.01	1.27e-1	
2	400	:					
		:					
3	300	22:59	300	1.26	2.99	1.55e-1	
4	300	:	299.9				
		:					
5	200	23:02	200	0.97	2.96	1.62e-1	
6	200	:					
		:					
7	100	23:06	99.8	0.24	2.86	2.05e-1	
8	100	:					
		:					
9	50	23:08	50	-0.80	2.74	2.15e-1	
10	50	:					
		:					
11	30	23:10	30	-1.26	2.68	1.15e0	
12	30	:					
		:					
13	17	23:12	17	-1.21	2.64	5.4e0	
14	17	:					
		:					
15	8.5	23:13	8.5	-0.91	2.64	4.12e0	
16	8.5	:					
		:					
17	7	23:14	7	-0.84	2.64	4.53e0	
18	7	:					
		:					
19	3.5	23:15	3.5	-0.64	2.64	3.92e0	
20	3.5	:					
		:					
21	2	23:15	1.0	-0.45	2.65	3.89e0	
22	2	:					
		:					
23	0	23:16	1.1	-0.40	2.65	3.52e0	
24	0	:					

**Event:** 784

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/01	032	10:30	66°24.253	66°54.929	400.015	196	
Bottom	2006/		10:38	66°24.266	66°54.918		162	
End	2006/		11:03	66°24.295	66°54.890		143	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			+
File Name	G601071	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

[illegible]

LTER

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Cast: 71

Event: 784

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m) db	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	10:39	173.6	0.84	2.94	$1.53e^{-1}$	
2	BOTT	:					
		:					
3	150	10:42	150.1	0.63	2.91	$1.38e^{-1}$	
4	150	:					
		:					
5	100	10:45	100.1	0.07	2.85	$1.62e^{-1}$	
6	100	:					
		:					
7	75	10:48	74.9	-0.41	2.77	$1.70e^{-1}$	
8	75	:					
		:					
9	50	10:51	50.0	-0.84	2.73	$2.83e^{-1}$	
10	50	:					
		:					
11	30	10:54	30.0	-1.01	2.68	$3.9e^0$	
12	30	:					
		:					
13	16	10:56	15.9	-0.85	2.67	$5.2e^0$	
14	16	:					
		:					
15	7.5	10:58	7.5	-0.53	2.65	$4.8e^0$	
16	7.5	:					
		:					
17	5.5	10:59	5.5	-0.22	2.63	$7.96e^0$	
18	5.5	:					
		:					
19	3	11:00	2.9	-0.35	2.61	$5.76e^0$	
20	3	:					
		:					
21	2	11:01	2.0	-0.41	2.59	$5.85e^0$	
22	2	:					
		:					
23	0	11:02	1.1	-0.48	2.52	$5.4e^0$	
24	0	:					



**Event:** 787

**Nominal Station:**

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/01	032	13:15	66°16.699	66°37.608	420.015	818	
Bottom	2006/		13:35	66°16.724	66°37.552		908	
End	2006/		14:09	66°16.691	66°37.432		819	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWAS	Pressure 1			X
File Name	G601072	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


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

LTER

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Cast:

72

Event:

787

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	BOTT	13:36	764.7	1.42	3.03	$1.28e^{-1}$	
2	BOTT	:					
		:					
3	500	13:42	499.9	1.39	3.02	$1.31e^{-1}$	
4	500	:					
		:					
5	250	13:44	249.9	1.10	2.97	$1.31e^{-1}$	
6	250	:					
		:					
7	100	13:54	99.9	0.14	2.86	$1.60e^{-1}$	
8	100	:					
		:					
9	50	13:58	49.9	-1.10	2.71	$3.11e^{-1}$	
10	50	:					
		:					
11	30	14:00	29.9	-1.07	2.66	$5.17e^0$	
12	30	:					
		:					
13	18.5	14:02	18.4	-1.20	2.61	$4.10e^0$	
14	18.5	:					
		:					
15	10	14:03	9.9	-1.21	2.60	$5.0e^0$	
16	10	:					
		:					
17	8	14:04	8.0	-1.01	2.62	$2.43e^0$	
18	8	:					
		:					
19	4	14:06	4.0	-1.82	2.62	$8.17e^{-1}$	
20	4	:					
		:					
21	2	14:07	1.9	-0.42	2.64	$4.7e^{-1}$	
22	2	:					
		:					
23	0	14:08	1.0	-0.38	2.65	$7.05e^{-1}$	
24	0	:					

**Event:** 798

**Event:** 798

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/02	033	14 :00	65°53.753	66°30.097	455.040	199	
Bottom	2006/		:					
End	2006/		14 :32	65°53.688	66°30.691		153	

		Sensors	Serial Number	New?	
				Yes	No
Technician	FWNS	Pressure 1			X
File Name	G601073	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

[illegible]



LTER

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Cast: 73

Event: 798

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	40	14:17	40.1	-0.57	2.76	4.19e <sup>-1</sup>	
2	40	:					
		:					
3	36	14:18	29.9	-0.37	2.77	2.05e <sup>0</sup>	
4	30	:					
		:					
5	20	14:21	20.8	1.45	2.88	1.20e <sup>+1</sup>	
6	20	:					
		:					
7	13	14:23	12.9	2.63	2.92	1.16e <sup>1</sup>	
8	13	:					
		:					
9	7	14:25	6.9	1.74	2.89	7.1e <sup>0</sup>	
10	7	:					
		:					
11	5	14:26	5.2	1.93	2.90	3.96e <sup>0</sup>	
12	5	:					
		:					
13	3	14:28	3	1.90	2.90	2.93e <sup>0</sup>	
14	3	:					
		:					
15	2	14:30	2	1.99	2.90	1.56e <sup>0</sup>	
16	2	:					
		:					
17	0	14:31	1.3	2.11	2.91	1.06e <sup>0</sup>	
18	0	:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

202

202

LTER

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Cast: 74

Event: 802

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	40	17:26	40	-0.864	2.7408	4.017 -1	33.75
2	40	:					
		:					
3	30	17:28	30	-0.5993	2.7518	6.056 -1	
4	30	:					
		:					
5	20	17:30	20	0.1804	2.7984	6.043 -1	
6	20	:					
		:					
7	14	17:31	14	1.1204	2.8692	6.083 -1	
8	14	:					
		:					
9	8.5	17:33	8.5	1.304	2.903	1.23 -0	
10	8.5	:					
		:					
11	7	17:34	7	2.106	2.940	7.61e-0	
12	7	:					
		:					
13	4	17:36	4	2.59	2.907	3.31e-0	
14	4	:					
		:					
15	2.5	17:36	2.5	2.56	2.976	3.05e-0	
16	2.5	:					
		:					
17	0	17:37	0.7	2.74	2.98	33.01	
18	0	:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					



Event: 807

Event: 807

LTER

LMG 06-01

Cast: 75

Event: 807

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	50	19:38	50	-0.90	2.73	4.01e-1	
2	50	:					
		:					
3	30	19:40	30	-0.28	2.78	2.25e-1	
4	30	:					
		:					
5	20	19:41	20	+0.81	2.86	6.80e-1	
6	20	:					
		:					
7	14.5	19:42	14.5	1.16	2.87	8.02e-1	
8	14.5	:					
		:					
9	7.5	19:43	7.5	1.91	2.91	1.24e1	
10	7.5	:					
		:					
11	5.5	19:45	~5.1	2.06	2.93	9.96e-1	
12	5.5	:					
		:					
13	3.5	19:46	~3.6	2.09	2.93	1.07e1	
14	3.5	:	~3.1				
		:					
15	2.5	19:46	~2.5	2.04	2.93	8.18e-1	
16	2.5	:					
		:					
17	0	19:48	surf	2.17	2.92	5.85e-1	
18	0	:					
		:					
19		:					
20		:					
		:					
21		:					
22		:					
		:					
23		:					
24		:					

Event: 810

	Date: yyyy/mm/dd	Julian Day	GMT	Latitude	Longitude	LTER Grid Line.Station	Bottom Depth	Scan #
Begin	2006/02/03	6034	17:13	64° 55.904	64° 23' 985	600.040	1321	
Bottom	2006/		12:46	64° 55.856	64° 23.969		1285	
End	2006/		:					

		Sensors	Serial Number	New?	
				Yes	No
Technician	wlp	Pressure 1			X
File Name	g601076	Pressure 2			
Audio Tape	N/A	Temperature 1			
		Temperature 2			
		Conductivity 1			
		Conductivity 2			
		Oxygen 1			
		Oxygen 2			
		Pump 1			
		Pump 2			
		Transmissometer			
		Scatterometer		N/A	
		Fluorometer			
		Altimeter		N/A	

[illegible]



LTER

LMG 06-01

Cast:

76

Event:

810

## Station Log

## SAMPLES

Bottle	Target Press.	Time GMT	Depth (m)	Temperature	Conductivity	Fluoro meter	Salts
		:					
1	Bottom	17:46	1284	1.51	3.06	1.33e-1	
2		:					
		:					
3	750	17:58	750	1.41	3.03	1.29e-1	
4	750	:					
		:					
5	500	18:03	500	1.41	3.02	1.29e-1	
6	500	:					
		:					
7	300	18:09	300	1.22	2.99	1.32e-1	
8	300	:					
		:					
9	200	18:11	200	1.00	2.96	1.41e-1	
10	200	:					
		:					
11	100	18:14	100	0.99	2.91	1.55e-1	
12	100	:	90				
		:					
13	50	18:16	50	0.20	2.84	2.20e-1	
14	50	:					
		:					
15	40	18:17	40	0.31	2.83	2.37e-1	
16	40	:					
		:					
17	30	18:18	30	0.79	2.86	2.97e-1	
18	30	:	31				
		:					
19	20	18:19	20	1.90	2.94	5.60e-1	
20	20	:					
		:					
21	10	18:20	10	2.15	2.96	1.11e-1	
22	10	:					
		:					
23	Surface	18:21	Surf	2.48	2.97	6.30e-1	
24	Surface	:					