

XBT LogSheet

Smith Island Track Southbound						
Cruise ID: LMG1504						
XBT Start Date: 08 Apr 2015						
Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
54° 48' S	Water Sample #1	WIP	22:33		Depth: 102	
54° 54' S		AKM	23:16		Depth: 141 <i>reovop</i>	
55° 00' S	Water Sample #2	JSY	23:49		Depth: 361	
55° 06' S		JSY	00:28		Depth: 1454	
55° 12' S		AKM	01:02		glitches in trace.	
55° 18' S		JS	01:35			
55° 24' S		AKM	02:12		few glitches in top 20m.	
55° 30' S		AKM	02:46		N of JAF	
55° 36' S		ML	03:18		South of SAF?	
55° 42' S		ML	03:54			
55° 48' S		ML	04:27			
55° 54' S		ML	05:02			
56° 00' S	XCTD #1 / Water #3	ML	05:46		XCTD = 08037250	
56° 06' S		ML	06:13			
56° 12' S		ML	06:51			
56° 18' S		ii	07:26			
56° 24' S		ii	08:04			116371
56° 30' S	XCTD #2 / Water #4	GV	08:37		XCTD # 06016565	1175871
56° 36' S		GV	09:11			1175875
56° 42' S	ran second probe 56° 42.7' S	ZE	09:46		glitches in data ¹¹⁷⁵⁸⁷⁰⁵ new probe	1175866
56° 48' S	redoing w/ probe 1175876	GV	10:20		(2nd probe only collected data to 784.66m)	1175874 1175870
56° 54' S		GV	10:55			1176105
57° 00' S	XCTD 11:32 XCTD #3 / Water #5	AK	11:29		XCTD: 08037247	1176101
57° 06' S		AK	12:03		glitches in data	1176104
57° 12' S		SS	12:39		XCTD: 06016568 ^{SS}	1176087
57° 18' S	XCTD #4	SS	13:13		XCTD: 06016568	1176100
57° 24' S		SS	13:47			1176086

27
2

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
57° 30' S	XCTD #5 / Water #6	AK	17:25		Went to outer range at 375m XCTD # 10110882	1176095
57° 36' S		TI	16:13:25		First drop failed, Redrop	
57° 42' S		TG	16:42		Good drop	
57° 48' S	XCTD #6	AFN	17:18		Good drop	
57° 54' S		AFN	17:53		Good drop	
58° 00' S	XCTD #7 / Water #7 / XBT	TG/AN	18:30		XBT good XCTD good	
58° 06' S		AFN	18:04		Good drop	
58° 12' S		STH	19:39		Good Drop	
58° 18' S		urp	20:17		Redrop! FIRST DROP BAD > 350m	
58° 24' S		urp	20:49		Good (1st)	
58° 30' S	XCTD #8 / Water #8	STH	22:09 XBT 22:20 XCTD		1st Drop did not register, 2nd Drop Good for XBT	
58° 36' S		STH	22:41		Good	
58° 42' S		JS/AM	23:16		Good	
58° 48' S		AKM	23:52		good	
58° 54' S		JS/AM	00:26		Xcellent!	
59° 00' S	DR. FILTER XCTD #9 / Water #9 / AIR SAMPLE.	JS/AM	01:02		good	
59° 06' S		JS/AM	02:11		great	
59° 12' S		JS/AM	02:46		good	
59° 18' S		M	04:22		Super!!	
59° 24' S		JS	04:58		Great.	
59° 30' S	XCTD #10 / Water #10	YA	05:35		First XBT Failed, Second XCTD FAILED c. 180M	10110886
59° 40' S		YA	06:32		Good Probe, Much Success	
59° 50' S		ML	07:29		Awesome Probe	
60° 00' S	XCTD #11 / Water #11	ZE	08:28			1175843
60° 10' S		ii	09:27			1175844
60° 20' S		SS	11:25		Bad Probe - New SN 1086845 - Good	1175845
60° 30' S	XCTD #12 / Water #12	SS	12:22		XCTD # 10110878	1086849
60° 40' S		SS	13:19		Good	1086841
60° 50' S		SS	14:15			1086840

29
x5

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
61° 00' S	Water #13	EC	15:12		Good launch	
61° 10' S		EC	17:23		good launch	
61° 20' S		II	18:16		1 min earlier	
61° 30' S		SH	19:10			
61° 40' S		SH	20:06			
61° 50' S		SH	21:04			
62° 00' S	Water #14	WF	22:03			
62° 06' S		JS/AM	23:59		good	
62° 12' S		JJ/AM	00:30		good. Z=2711 m.	
62° 18' S		JS/AM	01:03			
62° 24' S		B/AM	01:37		Depth: 3777, glitch at 700	
62° 30' S		JS/AM	02:11		Depth: 3790, good	
62° 36' S		JS/AM	02:47		Depth: 3738 ✓	
62° 42' S	Water #15	JJ/	03:21		Depth: 3503 ✓	
70 00' S	point never reached					

19

12 x ctd's

XCTD LogSheet for 12 drops

Cruise ID: LMG1504
 XCTD Start Date: 8-Apr-15

Latitude		Sequence	XCTD	Operator	Actual Location		Time GMT	Date	Depth	Notes
deg	min	#	Serial #		Latitude	Longitude				
56	00	1	08037250	ML			05:46			
56	30	2	06016565	GV			08:37			
57	00	3	08037247	AK			11:32			
57	18	4	06016568	SS			13:17			
57	30	5	10110882	ALC			14:38			
57	48	6	10110880	AFN	57 49.502	65 00.698	17:26	099	3451	Good drop
58	00	7	10110890	AFN	58 00.102	65 06.467	18:30	099	4685	Good drop
58	30	8	10110883	AFN						
59	00	9	06016569	AM/JS			01:14	100		great!
59	30	10	10110886	AM/JS	59 31.05	64 57.82	05:35	100		Failed 190m
60	00	11	10110877	GV	60 00.590	64 52.544	08:32	100		stopped Recovery at 380m
60	30	12	10110878	SS	60 30.652	64 49.942	12:26	100		

Additional Notes

NEVER RE-DROP AN XCTD for DRAKE TRANSECT. IF IT'S BAD, IT'S BAD.

XCTD