

XBT LogSheet

Smith Island Track Southbound

Cruise ID: LMG1505B

XBT Start Date: 21Jun, 2015

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
54° 48' S	Water Sample #1	WP	1818	1	Depth: 102	
54° 54' S		WP	?	2	Depth: 130	
55° 00' S	Water Sample #2	MD	1957	3	Depth: 361	
55° 06' S		MD	20:39	4	Depth: 1445	
55° 12' S		MD	21:26	5	1968	
55° 18' S		MD	2216/2225	6	1826 / 1773	
55° 24' S		KEN	2310	7	2360	
55° 30' S		KEN	2358	8	2676	
55° 36' S		KEN	0050	9	6/22	
55° 42' S		KEN	0140	10	6/22 (?)	
55° 48' S		KEN	0227	11		
55° 54' S		Mike	0314	12	3881	
56° 00' S	XCTD #1 / Water #3	Mike	0410	13	3910	
56° 06' S		Mike	0447	14	3300	
56° 12' S		Mike	0532	15	3420	
56° 18' S		Mike	0615	16	2901	
56° 24' S		Mike	0656	17	3392	
56° 30' S	XCTD #2 / Water #4	Alc	0741	18	3807	
56° 36' S		Alc	0824	19	4828	
56° 42' S		Alc	0907	20	3534	
56° 48' S		Alc	0947	21	4147	
56° 54' S		Alc	1027	22	4163	
57° 00' S	XCTD #3 / Water #5	WP	1615	23	4027	
57° 06' S		WP		24		
57° 12' S		WP		25		
57° 18' S	XCTD #4	WP	1804	26		
57° 24' S		WP	1836	27		

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
57° 30' S	XCTD #5 / Water #6	MD	19:12	28	3160m	
57° 36' S		MD	19:48	29	4094	
57° 42' S		MD	20:22	30	4175	
57° 48' S	XCTD #6	MD	20:55	31	4368	
57° 54' S		MD	21:30	32	4293	
58° 00' S	XCTD #7 / Water #7	MD	22:04	33	3461	
58° 06' S		MD	22:39	34	3230	
58° 12' S		KEN	2312	35		
58° 18' S		GEO	2345	36		
58° 24' S		KEN	19:50	37		
58° 30' S	XCTD #8 / Water #8	KEN	0050	38	3759 DAY 174	
58° 36' S		KEN	0127	39		
58° 42' S		KEN	0159	40	3800	
58° 48' S		KEN	0235	41	3810	
58° 54' S		Mike	0310	42	3540	
59° 00' S	XCTD #9 / Water #9 / AIR SAMPLE	Mike	0351	43	(58.5872, -63.4128) 3903	
59° 06' S		MIKE	0443	44	3955	
59° 12' S		MIKE	0519	45	3952	
59° 18' S		MIKE	0553	46	3808	
59° 24' S		MIKE	0629	47	3900	
59° 30' S	XCTD #10 / Water #10	MIKE	0703	48	4013	
59° 40' S		ALC GB	0801	49	4099m	
59° 50' S		ALC	0905	50	3217	
60° 00' S	XCTD #11 / Water #11	ALC	1001	51	2922m	
60° 10' S		ALC	1054	52	3922	
60° 20' S		NAT GB	1153	53	3701	
60° 30' S	XCTD #12 / Water #12	NAT GB	1254	54	4024	
60° 40' S		NAT GB	1355	55		
60° 50' S		GB SEN	1458	56	3845m	

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
61° 00' S	Water #13	KP	1605	58		
61° 10' S		KP	1714	59	Dropped sample in late	
61° 20' S		KP	1806	60		
61° 30' S		MD	1906	60	3440 m	
61° 40' S		MD	20:01	61	3441	
61° 50' S		MD	20:58	62	3270	
62° 00' S	Water #14	MD	21:54	63		
62° 06' S		MD	22:28	64	4342 m	
62° 12' S		KEV	23:01	65		
62° 18' S		GEO	2334	66	wire failed at ~500 ft	
62° 24' S		GEO	0038	67	Depth: 10/10th pancake ice	
62° 30' S		GEO	0133	68	Depth: 513 2 lander	
62° 36' S		GEO	0214	69	Depth: 511	
62° 42' S	Water #15	Mike	0255	70	Depth: 888	
70 00' S	point never reached					

Not #68 dropped out 50M 2nd XBT launched.

XCTD LogSheet for 12 drops

Cruise ID: **LMG1505B**
 XCTD Start Date: **21 June, 2015**

Latitude		Sequence	XCTD	Operator	Actual Location		Time GMT	Date	Depth	Notes
deg	min	#	Serial #		Latitude	Longitude				
56	00									
56	30									
57	00	3								XCTD-2, 800m
57	18	4	06100639	4P	57°18.9S	67°14.5W	1807	22 Jun		XCTD-2
57	30									
57	48									
58	00									
58	30	8		KEV			0056	23 JUN		XCTD-1
59	00									
59	30									
60	00									
60	30									

Additional Notes

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

Some XCTD drops were XCTD-2. Unfortunately time was critical and we were unable to reduce speed.