

XBT LogSheet

Smith Island Track Southbound						
Cruise ID: LMG1411						
XBT Start Date: 28 November, 2014						
Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
54° 48' S	Water Sample #1	GM	2:25:10	1	Depth: 93m	119 5964
54° 54' S		GV	3:04:30	2	Depth: 133m	119 5969
55° 00' S	Water Sample #2	GV	03:38:55	3	Depth: 363m	119 5968
55° 06' S		GV	04:19:00	4	Depth: 1531m	119 5971
55° 12' S		KP	04:53:40	5	1981m	119 5970
55° 18' S		GV	05:27:30	6	2548m	119 5965
55° 24' S		KP	06:04:45	7	2488m	119 5967
55° 30' S		GV	06:38:10	8	3029m	119 5966
55° 36' S		AT	07:15:00	9	3561m	119 5960
55° 42' S		AT	07:53:15	10	3552m	119 5961
55° 48' S		XR	08:29:10	11	3028m	119 5962
55° 54' S		AT	09:09:50	12	3757	119 5963
56° 00' S	XCTD #1 / Water #3	AT	10:11:45	13	3012	117 6061
56° 06' S		AT	10:24:30	14	3023	117 6060
56° 12' S		CD	11:07:49	15	3482	117 6065
56° 18' S		NW CD	11:42:00	16	3374	117 6064
56° 24' S		CD	12:18:10	17	3205	117 6059
56° 30' S	XCTD #2 / Water #4	CD	13:02:24	18	2409	117 6063
56° 36' S		CD	13:33:34	19	2926	117 6069
56° 42' S		CD	14:10:26	20	3756	117 6058
56° 48' S		CD	14:47:35	21	3918	117 6068
56° 54' S		AD	15:29:50	22	3897	117 6066
57° 00' S	XCTD #3 / Water #5	AD	16:03:13	23	4021	117 6067
57° 06' S	2nd try; computer malfunctioning first	AD	16:43:49	24	3897	119 5867
057° 12' S		AD	17:29:51	25	3796	119 5871
57° 18' S	XCTD #4	AD	17:52:10	26	4104	119 5875
57° 24' S	profile suspect below 400m	MC	18:27:10	27	4149	119 5866

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
57° 30' S	XCTD #5 / Water #6	AD	19:01:30	28	4264 m depth 119	5870
57° 36' S	1st probe malfunctioned at ~40 m; 2nd one good	AD	19:37:40	29	4083 119	5872 - malfunction 5868
57° 42' S		AD	20:08:58	30	4173 119	5874
57° 48' S	XCTD #6	AD	20:42:27	31	4361 119	5865
57° 54' S		AD	21:15:28	32	4257 119	5864
58° 00' S	XCTD #7 / Water #7	AD	21:50:30	33	4477 119	5873
58° 06' S		AD	22:21:34	34	3543 117	5986
58° 12' S		AD	22:54:50	3536	3512 117	5987
58° 18' S		AM	23:35:21	37	3728 117	5994
58° 24' S		AM	00:02:01	38	4077 117	5988
58° 30' S	XCTD #8 / Water #8	AM	00:43:17	39	3978 117	5995
58° 36' S		AM	01:09:59	40	3899 117	5991
58° 42' S		AM	1:44:00	41	4267 117	5992
58° 48' S		AM	02:18:18	42	3879 117	5993
58° 54' S		AM	02:53:12	43	3516 117	5996
59° 00' S	XCTD #9 / Water #9 / AIR SAMPLE	GV	03:36:00	44	3893	1175997
59° 06' S		KP	04:38:00	44	3967 m	1175989
59° 12' S		GV	05:14:50 05:11:00	45	4105 3981 m	1176078
59° 18' S		KP	05:44:50	46	38364 m	1176079
59° 24' S		JR	06:19:18	47	3890 m	1176074
59° 30' S	XCTD #10 / Water #10	GV	07:03:30	48	4069 m	1176032
59° 40' S		JR	07:51:00	49	3661 m 117	6070
59° 50' S		SS	08:48:00	50	3873 m 117	6072
60° 00' S	XCTD #11 / Water #11	AT	09:45:30	51	3710 m 117	6076
60° 10' S		SS	10:43:10	52	3964 m 117	6073
60° 20' S		SS	11:39:42	53	3704 m 117	6081
60° 30' S	XCTD #12 / Water #12	JJ	12:43:00	54	4031 117	6077
60° 40' S		SS		55		108 6938
60° 50' S		OD	14:28:30	56	3960 m 108	3910 6939

Latitude	At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
61° 00' S	Water #13	MC	15:25:10	57	Depth: 3969	108 6934
61° 10' S		AD	16:21:20	58	3577	108 6935
61° 20' S		AD	17:17:45	59	3747 3747	108 6936
61° 30' S		AD	18:14:49	60	3867	108 6944
61° 40' S		AD	19:11:30	61	4074	108 6937
61° 50' S *	False start - deployed new XBT see below.	AD	20:06:45	62 *	3901	108 6940
62° 00' S	Water #14	AD	21:03:49	63	4057	108 6945
62° 06' S		AD	21:38:15	64	3566	108 6981
62° 12' S		AD	22:11:31	65	3617	108 6978
62° 18' S		AD	22:45:30	66 *	3944	108 6970
62° 24' S		AM	23:21:00	67	Depth: 3574	108 6980
62° 30' S		AM	23:54:02	68	Depth: 4159	108 6977
62° 36' S		AM	00:32:15	69	Depth: 456	108 6976
62° 42' S	Water #15	AM	01:09:23	70	Depth: 594	108 6973
70 00' S	point never reached					

★ -

AD 20:08:49 62* 3961

AD 22:17:57 66* 4303

108 6941 ← False Start

108 6979