

# XBT LogSheet

King George Island Track Southbound

Cruise ID: LMG1007

XBT Start Date: 07 Oct 2010

Latitude	Additional Events at This Latitude	Operator	Time GMT	XBT#	Notes DEPTH	Launch Tube #
54° 48' S	SALT/TCO2	KD	1605	1	Dropped late 103m	
54° 54' S		Jack	1620	2	OK 137m	
55° 00' S	SALT/TCO2	Lora	1655	3	OK 360m	
55° 06' S		Bob	1726	4	OK 1735	
55° 12' S		Chris	1754	5	OK 2276	
55° 18' S 18's		Bob	1825	6	OK 1996	
55° 24' S		LORA	1858	7	OK 3498	
55° 30' S		Bob	1931	8	OK 3713	
55° 36' S		KC	2006	9	Data got worky at 500m 3725	
55° 42' S		KB	2042	10	BAD LAUNCH, SUCCESSFUL RELAUNCH 3805	
55° 48' S		KD	2119	11	BAD DROP/"ALARM"	
55° 54' S		KM	2152	12	OK	
56° 00' S	DROP XCTD SALT/TCO2	KM	2228	13	OK 3911m	
56° 06' S		KM	2302	14	OK 3897m	
56° 12' S		KM	0015	15	HORIZONTAL SPIKE 4000m	
56° 18' S		AN	~0012 0015	16, 17	Bad Drop / 3935m	
56° 24' S		AN	0049 0051	18, 19	Bad Drop / 3565m	
56° 30' S	DROP XCTD SALT/TCO2	TM	0127 0131	20, 21	4213 Bad drop / 4190	
56° 36' S		AN	0200 0204	22, 23	Bad Drop / Bad Drop (good top)	
56° 42' S		PC	0236	24	OK 3726	
56° 48' S		PC	0314	25	OK 4006	
56° 54' S		TM	0352	26	3881	
57° 00' S	DROP XCTD SALT/TCO2	dp	0430	27		
57° 06' S		JL	0508	28	3957	
57° 12' S		MG	0546	29	3898	
57° 18' S	DROP XCTD	TNM	06:26	30	3799	
57° 24' S		JL	07:03	31	3693	

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57° 30' S	DROP XCTD SALT/TCO2	dp	0743	32	3676m	
57° 36' S		RG	0821	33	3700	
57° 42' S		KB	0859	34, 35	1st cast wire broke after 10secs, 2nd bad probe.	
57° 48' S	DROP XCTD	KB	0938	36	3920m	
57° 54' S		RG	1014	37	3632m	
58° 00' S	DROP XCTD SALT/TCO2	MF	1051	38	No XCTD DROPPED	
58° 06' S		RG	1129	39	3859m	
58° 12' S		AD	1205	40	3734	
58° 18' S		SA	1243	41	3182m	
58° 24' S		AA	13:20/22	42/43	3799m / 3670 bad launch	
58° 30' S	DROP XCTD SALT/TCO2	EW	13:56	44	3760m	
58° 36' S		AA	14:30/36	45/46	3136 / 3149 2 bad launches	
58° 42' S		AA	15:01/13	47/48	3550 / 3732	
58° 48' S		EW	15:45 / 15:48	49/50	3322m / 3410	
58° 54' S		LF	1622	51	3657m	
59° 00' S	DROP XCTD SALT/TCO2 DRIFTER	LF	1638	52	OK 4111	
59° 06' S		KP	1815	53	OK 3192m	
59° 12' S		BD	1851	54	OK 4050m	
59° 18' S		BD	1929	55/56	2X 4011m	
59° 24' S		KM	2001	57	OK 3757m	
59° 30' S	DROP XCTD SALT/TCO2	KM	2040	58/59	BAD LAUNCH XBT / 4112m	
59° 36' S		KM	2114	60	OK 3940m	
59° 42' S		KM	2149	61	OK 4048m	
59° 50' S		KM	2240	62	OK 4086m (2X 4086m)	
60° 00' S	DROP XCTD SALT/TCO2 DRIFTER	KM	23:40	63	OK 4077m	
60° 08' S		PC	24:39	64	OK 4060	
60° 16' S		TM	0113	65	OK 4087	
60° 24' S		PC	01:55	66	OK 3875	
60° 30' S	DROP XCTD SALT/TCO2	TM	0236	67	OK 3855	

Latitude	Additional Events at This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube #
60° 36' S		AW	0303	68	OK 3683	
60° 42' S		PC	0334	69	3650	
60° 48' S		CP	0407	70	3672	
60° 54' S		JL	0440	71	3654	
61° 00' S	SALT/TCO2	CP	0514	72	3695	
61° 06' S		JL	05:49	73	3992	
61° 12' S		CP	0625	74, 75	bad drop 4578	
61° 18' S		JL	06:57	76, 77	bad drop 1712 4255	
61° 24' S		JL	07:30	78	867	
61° 30' S		RG	0805	79	3069	
61° 36' S		KB	0841	80		
61° 42' S		RG	0914	81, 82	BAD PROBE, BAD DROP NO DATA	
61° 46' S		KB	0947	83		
61° 50' S	SALT/TCO2	RG	1020	84	355m	
70° 00' S	point never reached					