

XBT LogSheet

King George Island Track Northbound

Cruise ID: LMG1402

XBT Start Date: 13 MAR. 2014

Latitude	Also At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
61° 50' S	Water Samples #1	WP	1904	1		
61° 46' S		WP	1925	2		
61° 42' S		WP	2023	3	1 Red rip	
61° 36' S		KN	2054	4		
61° 30' S		KN	21:28	5		
61° 24' S		IC	22:05	6		
61° 18' S		IC	22:35	7		
61° 12' S				8		
61° 06' S		AS	2303	9		
61° 00' S	Water Samples #2	AS	2341	10		
60° 54' S		AS	0014	11	Red rip @ 0016	
60° 48' S		AS	0048	12		
60° 42' S		AS	0121	13		
60° 36' S		AS	0156	14		
60° 30' S	XCTD #1, Water Samples #3	AS	0232	15	Good ENST 1100h	
60° 24' S		PQ	0306	16 th		
60° 16' S		PQ	0350	#17		
60° 08' S		PQ	0433	18	Some boat contact?	
60° 00' S	XCTD #2, Water #4 DRIFTER	PQ	0517	19		
59° 50' S		PQ	0612	20		
59° 42' S		PQ	0658	21	stopped @ 405m	
59° 36' S		RW	0732	22	stopped @ ~750m	
59° 30' S	XCTD #3, Water #5	RW	0805	23		
59° 24' S		RW	0841	24		
59° 18' S		RW	0916	25		
59° 12' S		RW	0952	26	squinty data	
59° 06' S		RW	1028	27		

Latitude	Also At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
59° 00' S	XCTD #4, Water #6, AIR SAMPLE	RW	1104	28		
58° 54' S	XBT #29	RC KB	1211	29		
58° 48' S	XBT #30	RC KB KT	00PS...	30	Sorry, forgot to record time...	
58° 42' S	XBT #31	RC KB	1316	31		
58° 36' S	XBT #32	RC KB	1348	32		
58° 30' S	XCTD #5, Water #7	RC KB	1427	33	See XCTD log for time, etc.	
58° 24' S	XBT #34	RC KB KT	1453	34		
58° 18' S	X		1525	35		
58° 12' S		FL	1557	36		
58° 06' S		FL DP	16:29	37		
58° 00' S	XCTD #6, Water #8 ←	DP	17:02	38		
57° 54' S		FL DP	17:36	39		
57° 48' S	XCTD #7	FL DP	00PS	40		
57° 42' S		FL DP	1842	41		
57° 36' S	XBT	KN DY	1920	42	Had to relaunch 2nd probe	
57° 30' S	XCTD #7, Water #9	KN DY KP	1954	43		
57° 24' S		KN DY KP	2031	44		
57° 18' S	XCTD #8	KN DY KP	2107	45		
57° 12' S		KN DY KP	2144	46	Had Redrop	
57° 06' S		UNO	2217	47		
57° 00' S	XCTD #9, Water #10	KN DY KP	2251	48		
56° 54' S		AS LB MM	2323	49		
56° 48' S		AS LB MM	2358	50		
56° 42' S		AS LB MM	0033	51	Redrop 0035	
56° 36' S		AS LB MM	0109	52		
56° 30' S	XCTD #10, Water #11	AS LB MM	0142	53		
56° 24' S		AS LB MM	0218	54		
56° 18' S		AS LB MM	0252	55		
56° 12' S		PA	0326	56		

Latitude	Also At This Latitude	Operator	Time GMT	XBT#	Notes	Launch Tube#
56° 06' S		PQ	0359	57		
56° 00' S	XCTD #11, Water #12	PQ	0432	58		
55° 54' S		PQ	0506	59		
55° 48' S		PQ	0541	60		
55° 42' S		PQ	0615	61		
55° 36' S		PQ	0648	62		
55° 30' S		RW	0722	63	One misfire, 2nd took	
55° 24' S		RW	0755	64		
55° 18' S		RW	0829	65		
55° 12' S		RW	0900	66		
55° 06' S	None left	RW	0936	67		
55° 00' S	XCTD #12, Water #13	RW	1010	68	No XCTDS Hit Bottom @ 36 f	
54° 54' S		RW	1040	69	Hit Bottom @ 20 f 34 f?	
54° 48' S	Water #14	CA	1119	70	one misfire	
30 00	All Done					

+ 13 SB

76 NB

12 XCTD NB

XCTD LogSheet

Cruise ID: LMG1402
XCTD Start Date: 12 Mar, 2014

Latitude deg min	Sequence #	XCTD Serial #	Operator	Actual Location		Time GMT	Date	Depth	Notes
60 30	7	11074149	AS	60 30.1	65 56.4	0231	3/13	1100	
60 00	2	11074152	PO	60 5	62 14.8	0523		—	FAIL: "Stopped receiving data..."
59 30	3	11074146	RW	59 29.3	62 32.4	0809	3/14	1100	
59 00	4	11074153	RW	59 00.0	62 48.3	1107	3/14	1100	
58 30	5	11074154	RC/KBJ/KT	58 29.926	63 05.37	14 20	3/14	1100	Bottom depth = 3588 m
58 00	6	11074150	WKEP	57 58.885	63 22.66	1707	14 Mar	4300m	
57 48	7	11074151	WKEP	57 47.25	63 29.26	1812	14 Mar	5730m	
57 30	8	11074147	WKEP	57 29.0	63 37.3	1958	14 Mar	3798m	
57 18	9	11074148	WKEP	57 17.42432	63 45.49601	2110	3/14	4320	
57 00	10	11074144	KN/TK	56 59.06884	63 55.40074	2254	3/14	3728	
56 30	11	11074143	AS/KN	56 29.92	64 10.95	2442	3/15	1100	
56 00	12	11074145	PO	55 59.38	64 27.13	0443	074	3900	

Additional Notes

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