

Pump Cast: Station 30 Deep Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	59241.3	59241.3	60196.5	955.2
	21973472	12750.0	12750.1	13073.8	323.7
	19008655	87420.4	87420.4	88743.6	1323.2
2	19008629	98038.3	98038.2	99186.9	1148.7
	19008630	40148.4	40148.4	40528.2	379.8
	19008631	138039.7	138039.7	139567.1	1527.4
3	19008656	113616.3	113616.2	114771	1154.8
	19008657	54876.3	54876.3	55275.3	399.0
	19008658	177680.8	177680.8	179227.3	1546.5
4	19008638	62770.3	62770.0	63897.2	1127.2
	19008639	39836.6	39836.6	40207.0	370.4
	19008640	103973.5	103973.6	105482.4	1508.8
5	20007741	79612.8	79613.0	80679.0	1066.0
	20007742	54076.2	54076.2	54551.0	474.8
	20007743	135178.9	135178.4	136716.8	1538.4
6	20008125	52911.7	52911.7	53986.7	1075.0
	20008126	42241.4	42241.4	42690.7	449.3
	20008127	96348.4	96348.4	97911.5	1563.1
7	20007744	40998.1	40998.1	42106.2	1108.1
	20007745	23713.8	23713.9	24148.8	434.9
	20007746	64256.7	64256.6	65803.0	1546.4
8	20007747	56688.9	56689.0	57691.3	1002.3
	20007748	24834.0	24833.9	25259.5	425.6
	20007749	89630.6	89630.6	91062.1	1431.5
9	20007744	59577.0	59577.0	60510.1	933.1
	20007745	30394.7	30394.8	30848.3	453.5
	20007746	98157.9	98158.0	99561.8	1403.8
10					
11					
12					

Dates Y/M/D and times in local time (and GMT)

GMT=LCL+ 9

Date 2013/12/09

Event 4397

Station 30

Cast 9

Water depth 4065

Delay duration 02:30:00

Pump duration 04:00:00

Trigger time 01:27 (10:27)

Pumps on 03:57 (12:57)

Pumps off 07:57 (16:57)

CTD/first pump in water 01:27 (10:27)

Last pump in water 03:34 (12:34)

Time at target depth 03:45 (12:45)

Water below pinger ~31m

Messenger drop 05:57 (14:57)

Recovery begins 08:00 (17:00)

All aboard 10:14 (19:14)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		No CTD	NA			
1	1	4050	9834	25.3 (32.3)		1604
2	2	3900	9835	29.0 (34.7)		1647
3	3	3500	9836	25.8 (32.3)		1642
4	4	3000	9837	31.3 (35.2)		1647
5	5	2700	9838	29.9 (33.8)		1647
6	6	2550	9839	25.3 (32.0)		1617
7	7	2200	9840	25.5 (34.1)		1523
8	8	1000	9841	25.3 (32.3)		1553
9	9	360	9842	28.0 (34.2)	starting flow rate 7l/min	1284

Notes

CTD not deployed on deep cast (instead, deployed via ODF deep cast)
 MAPRs on Pump 8 and Pump 1. DBs on Pump 4.
 Added in Pump 9 to pick up dropped depth at 360m (again).

On deployment, noted Pump 3 priming valve half-open. Check prev. cast's volumes.

Wire's chinese fingers re-taped by Spike during recovery.
 Rain squall during Pump 4 (+db) recovery.

Pump 9: starting flow rate was 7L/min. Otherwise, normal operation.