

Pump Cast: Station 4

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008635	39691.0	39691.0	39732.4	41.4
	19008636	30412.1	30412.1	30430.9	18.8
	19008637	71632.1	71632.3	71691.0	58.7
2	19008629	61249.5	61249.5	62401.8	1152.3
	19008630	26356.7	26356.6	26858.0	501.4
	19008631	87137.8	87137.8	88786.5	1648.7
3	19008656	79145.3	79145.3	80203.4	1058.1
	19008657	42047.4	42047.4	42486.8	439.4
	19008658	128395.1	128395.2	129920.5	1525.3
4	19008638	28205.0	28204.9	29301.5	1096.6
	19008639	27023.5	27023.5	27484.9	461.4
	19008640	56266.3	56266.4	57832.6	1566.2
5	20007741	45602.8	45602.7	46377.9	775.2
	20007742	37667.0	37667.0	38243.1	576.1
	20007743	84324.5	84324.5	85677.9	1353.4
6	20008125	18408.5	18408.5	19439.6	1031.1
	20008126	25363.8	25363.8	25848.0	484.2
	20008127	44858.0	44858.0	46370.9	1512.9
7	20007747	24458.0	24458.1	25368.6	910.5
	20007748	12025.0	12025.0	12397.1	372.1
	20007749	44450.7	44450.7	45735.6	1284.9
8	20007750	67860.9	67861.0	68727.5	866.5
	20008101	43520.3	43520.3	43822.3	302.0
	20008102	119829.5	119829.6	121001.4	1171.8
9					
10					
11					
12					

Dates Y/M/D and times in local time (and GMT)
 GMT=LCL+ 5
 Date 2013/11/02 (2013-11-02)
 Event 4056
 Station 4
 Cast 3
 Water depth 758 m
 Delay duration 01:10:00
 Pump duration 04:00:00
 Trigger time 08:10 (13:10)
 Pumps on 09:20 (14:20)
 Pumps off 13:20 (18:20)
 CTD/first pump in water CTD 8:17 (13:17)
 Last pump in water 08:53 (13:53)
 Time at target depth 08:54 (13:54)
 Water below pinger Pinger not used
 Messenger drop N/A
 Recovery begins 13:26 (18:26)
 All aboard 13:55 (18:55)

Notes

Shelf station in 578m water with OMZ, two fluor maxes, shallow ML.
 Changed battery on #5
 Pump1 - sudden pressure release
 After cast, Pump 1 swapped out for McLane s/n 12128-03.
 Pump 1 flowmeter s/n now 19008653, 21973472, 19008655 (next cast)
 Final wire out: 690m

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		690	NA			
1		675	2380	29 (32.3)	Sudden pressure release	52.8
2		500	2381	28.9 (33.1)		1647
3		300	2382	25.4 (30.9)		1605
4		200	2383	25.6 (30.7)		1621
5		110	2384	24.5 (30.6)	changed batt.	1536
6		68	2385	25.4 (31.6)		1514
7		48	2386	26.7 (32.0)		1454
8		20	2387	26.3 (31.9)		1216