

Pump Cast: Station 15 Deep

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	39295.8	39295.9	40300.5	1004.6
	21973472	6206.2	6206.2	6542.0	335.8
	19008655	60588.6	60588.8	61951.0	1362.2
2	19008629	75074.8	75074.8	76160.2	1085.4
	19008630	31582.7	31582.6	31966.8	384.2
	19008631	106228.7	106228.8	107692.5	1463.7
3	19008656	92423.5	92423.4	93558.5	1135.1
	19008657	46587.6	46587.5	47010.1	422.6
	19008658	147384.2	147384.2	148929.9	1545.7
4	19008638	41956.3	41956.3	43126.0	1169.7
	19008639	32199.4	32199.4	32582.0	382.6
	19008640	75300.4	75300.5	76860.5	1560.0
5	20007741	57520.7	57520.6	58593.2	1072.6
	20007742	44621.4	44621.4	45126.1	504.7
	20007743	103180.9	103180.9	104750.0	1569.1
6	20008125	31477.1	31477.0	32698.9	1221.9
	20008126	31826.9	31827.0	32243.3	416.3
	20008127	64411.2	64411.2	66047.3	1636.1
7	20007747	36561.0	36561.0	37661.5	1100.5
	20007748	16868.7	16868.6	17250.9	382.3
	20007749	61433.9	61434.0	62916.3	1482.3
8	20007750	78770.1	78770.1	79801.5	1031.4
	20008101	47643.8	47643.9	47984.5	340.6
	20008102	134919.6	134919.6	136329.0	1409.4
9					
10					
11					
12					

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

GMT=LCL+ 7

Date 2013/11/16 to 17

Event 4199

Station 15

Cast 8

Water depth 3935m

Delay duration 02:35:00

Pump duration 04:00:00

Trigger time 20:50 (03:50)

Pumps on 23:25 (06:25)

Pumps off 03:25 (10:25)

CTD/first pump in water 20:49 (03:49)

Last pump in water 22:39 (05:39)

Time at target depth 23:01 (06:01)

Water below pinger ~8m

Messenger drop 01:25 (08:25)

Recovery begins 03:30 (10:30)

All aboard 05:27 (12:27)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		3925	NA			
1	1	3910	8171	26.6(33.8)		1647
2	2	3850	8172	24.7(31.7)	battery changed	1578
3	3	3500	8173	26.2(32.9)		1647
4	4	3000	8174	29.2(34.2)		1647
5	5	2500	8175	27.6(33.3)		1647
6	6	2000	8176	25.4(32.2)		1618
7	7	1500	8177	26.0(32.8)		1586
8	8	750	8178	22.9(30.9)	battery changed	1379

Notes

No MAPRs. DBs on Pump 3.
 Final payout: 3923m
 Change battery: pump 2 & 8.
 Replaced hose clamp on pump 5 Mn pole.
 Pump 1 download not saved.

To do:

5Q head, A-plate: check for broken "soda straw"; noted leak on recov.
 Pump 5: Check Mn pole: top hose clame is stripped.