

### Pump Cast: SUPER Station 11 Deep

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

GMT=LCL+ 6

Date 2013/11/12 (2013/11/12)

Event 4150

Station 11

Cast 12

Water depth 3650m

Delay duration 02:30:00

Pump duration 04:00:00

Trigger time 20:11 (02:11)

Pumps on 22:41 (04:41)

Pumps off 02:41 (08:41)

CTD/first pump in water 20:10 (02:10)

Last pump in water 21:29 (03:29)

Time at target depth 22:18 (04:18)

Water below pinger ~5m

Messenger drop 00:50 (06:50)

Recovery begins 02:50 (08:50)

All aboard 04:40 (10:40)

**Post deployment download information**

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	34823.0	34823.0	35817.6	994.6
	21973472	4984.1	4984.1	5308.1	324.0
	19008655	54888.5	54888.8	56221.1	1332.3
2	19008629	70435.0	70435.0	71538.5	1103.5
	19008630	29905.2	29905.2	30271.9	366.7
	19008631	99939.9	99939.9	101393.0	1453.1
3	19008656	87734.3	87734.3	88973.8	1239.5
	19008657	44980.9	44980.9	45228.7	247.8
	19008658	141127.2	141127.5	142603.9	1476.4
4	19008638	37412.1	37412.1	38548.8	1136.7
	19008639	30478.6	30478.6	30865.6	387.0
	19008640	69008.0	69008.2	70537.3	1529.1
5	20007741	54139.9	54139.9	54486.3	346.4
	20007742	41641.6	41641.6	42823.0	1181.4
	20007743	96823.4	96823.4	98358.7	1535.3
6	20008125	27595.0	27595.0	27998.2	403.2
	20008126	29011.1	29010.9	30271.4	1260.5
	20008127	57722.5	57722.5	59383.4	1660.9
7	20007747	32491.0	32490.9	33530.5	1039.6
	20007748	15154.3	15154.4	15507.4	353.0
	20007749	55636.9	55637.0	57028.5	1391.5
8	20007750	75245.0	75245.3	76372.0	1126.7
	20008101	46216.1	46216.1	46605.1	389.0
	20008102	129955.4	129955.4	131477.9	1522.5
9					
10					
11					
12					

**Notes**  
 MAPRs not deployed due to low batteries: maintenance required.  
 DBs on Pump 5  
 Restrictor valves set to 25% on all pumps (EXCEPT 2--test) at depl.  
 Final wire out:3629m  
 Pumps 5&6: heads reversed on pumps.  
 Pump 1 summary data lost.  
 Change battery: pumps 3, 5 & 7

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		3640	NA			
1	1	3625	3662	(31.5)		
2	2	3600	3663	26.3(32.7)		1647
3	3	3500	3664	24.8(30.9)		1580
4	4	3000	3665	25.2(31.1)		1616
5	5	2750	3666	25.1(30.8)		1635
6	6	2500	3667	30.3(34.5)		1647
7	7	2250	3668	24.1(31.1)		1487
8	8	1750	3669	25.3(31.9)		1537