

### Pump Cast: Station 9 Shallow

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	30501.7	30501.8	31594.2	1092.4
	21973472	3637.6	3637.6	3997.8	360.2
	19008655	49193.0	49192.9	50646.2	1453.3
2	19008629	65905.0	65905.0	66957.9	1052.9
	19008630	28130.7	28130.6	28743.0	612.4
	19008631	93549.1	93549.0	95217.3	1668.3
3	19008656	83647.0	83647.1	84823.7	1176.6
	19008657	43598.1	43598.1	44051.1	453.0
	19008658	134619.3	134618.3	136248.6	1630.3
4	19008638	32700.9	32701.0	33822.4	1121.4
	19008639	28763.2	28763.2	29244.3	481.1
	19008640	62533.1	62533.0	64153.2	1620.2
5	20007741	49690.0	49690.0	50787.6	1097.6
	20007742	39661.5	39661.5	40148.6	487.1
	20007743	90398.8	90398.9	91989.5	1590.6
6	20008125	22764.0	22764.0	23943.5	1179.5
	20008126	27235.8	27235.9	27698.0	462.1
	20008127	51119.8	51119.9	52757.4	1637.5
7	20007747	28204.9	28205.0	29221.1	1016.1
	20007748	13576.4	13576.4	13986.9	410.5
	20007749	49751.8	49751.7	51195.1	1443.4
8	20007750	70979.4	70979.5	71846.2	866.7
	20008101	44681.2	44681.2	45007.4	326.2
	20008102	124125.6	124125.5	125328.2	1202.7
9					
10					
11					
12					

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

GMT=LCL+ 6

Date 2013/11/08

Event 4113

Station 9

Cast 3

Water depth 4130m

Delay duration 01:15:00

Pump duration 04:00:00

Trigger time 05:53 (11:53)

Pumps on 07:08 (13:08)

Pumps off 11:08 (17:08)

CTD/first pump in water 06:00 (12:00)

Last pump in water 06:43 (12:43)

Time at target depth 06:45 (12:45)

Water below pinger Pinger not used.

Messenger drop NA

Recovery begins 11:15 (17:15)

All aboard 11:56 (17:56)

**Notes**

MAPRs on pumps 3, 4, and 6. DBs on pump 5.  
 No batteries changed.  
 Final wire out: 1020m

Post deployment download information						
Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		1020	NA			
1		1000	3348	29.5 (33.3)		1647
2		625	3349	26.1 (30.9)		1647
3		400	3350	28.3 (32.3)		1647
4		250	3351	28.5 (32.5)		1647
5		155	3352	27.3 (32.1)		1647
6		135	3353	26.6 (32.2)		1630
7		60	3354	28.2 (33.2)		1614
8		20	3355	27.9 (32.5)		1296