

Pump Cast: Station 13 Shallow

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	35817.6	35817.6	36892.8	1075.2
	21973472	5308.1	5308.0	5671.5	363.5
	19008655	56221.1	56221.5	57657.0	1435.5
2	19008629	71538.5	71538.5	72736.9	1198.4
	19008630	30271.9	30271.9	30741.1	469.2
	19008631	101393.0	101393.1	103056.6	1663.5
3	19008656	88973.8	88973.8	90126.1	1152.3
	19008657	45228.7	45228.6	45678.6	450.0
	19008658	142603.9	142604.1	144198.7	1594.6
4	19008638	38548.8	38548.4	39698.6	1150.2
	19008639	30865.6	30865.6	31331.8	466.2
	19008640	70537.3	70537.7	72162.6	1624.9
5	20007741	54486.3	54486.3	55526.9	1040.6
	20007742	42823.0	42822.8	43431.1	608.3
	20007743	98358.7	98358.9	100004.8	1645.9
6	20008125	27998.2	27998.2	29145.3	1147.1
	20008126	30271.4	30271.4	30835.7	564.3
	20008127	59383.4	59383.4	61093.2	1709.8
7	20007747	33530.5	33530.8	34473.2	942.4
	20007748	15507.4	15507.4	15967.1	459.7
	20007749	57028.5	57028.7	58434.5	1405.8
8	20007750	76372.0	76372.1	76789.4	417.3
	20008101	46605.1	46605.2	46813.5	208.3
	20008102	131477.9	131478.1	132101.6	623.5
9					
10					
11					
12					

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

GMT=LCL+ 6

Date 2013/11/13 to 14

Event 4169

Station 13

Cast 3

Water depth 3850m

Delay duration 00:50:00

Pump duration 04:00:00

Trigger time 20:15 (02:15)

Pumps on 21:05 (03:05)

Pumps off 01:05 (07:05)

CTD/first pump in water 20:16 (02:16)

Last pump in water 21:02 (03:02)

Time at target depth 21:03 (03:03)

Water below pinger Pinger not used.

Messenger drop No messenger

Recovery begins 01:10 (07:10)

All aboard 01:53 (07:53)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		1220	NA			
1		1200	3781	25.6 (30.5)	batt changed.	1608
2		600	3782	27.8 (31.8)		1647
3		325	3783	31.7 (34.3)		1647
4		250	3784	26.0 (30.5)		1647
5		200	3785	32.4 (34.6)		1647
6		110	3786	29.0 (33.3)		1647
7		60	3787	30.2 (34.4)		1647
8		20	3788	26.9 (32.1)		640

Notes

Changed battery #1
 #8 sudden flow obstruction. Check pump connectors.
 Pumps pre-programmed for deep cast: 02:35:00 delay.

MAPRs on Pumps 1, 4, and 8.
 Final wire out: 1220m