

Pump Cast: Station 9 Deep

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	31594.2	31594.2	32617.2	1023.0
	21973472	3997.8	3997.8	4281.0	283.2
	19008655	50646.2	50646.3	51990.0	1343.7
2	19008629	66957.9	66958.0	68088.3	1130.3
	19008630	28743.0	28743.0	29063.5	320.5
	19008631	95217.3	95217.4	96669.3	1451.9
3	19008656	84823.7	84823.7	86025.0	1201.3
	19008657	44051.1	44051.1	44379.1	328.0
	19008658	136248.6	136248.6	137773.9	1525.3
4	19008638	33822.4	33822.4	35025.9	1203.5
	19008639	29244.3	29244.3	29599.9	355.6
	19008640	64153.2	64153.4	65715.4	1562.0
5	20007741	50787.6	50787.6	51981.9	1194.3
	20007742	40148.6	40148.7	40504.5	355.8
	20007743	91989.5	91989.4	93541.1	1551.7
6	20008125	23943.5	23943.6	25202.8	1259.2
	20008126	27698.0	27698.0	28085.3	387.3
	20008127	52757.4	52757.5	54410.1	1652.6
7	20007747	29221.1	29221.1	30387.3	1166.2
	20007748	13986.9	13986.9	14334.1	347.2
	20007749	51195.1	51195.2	52713.7	1518.5
8	20007750	71846.2	71846.2	73053.1	1206.9
	20008101	45007.4	45007.4	45365.0	357.6
	20008102	125328.2	125328.3	126905.9	1577.6
9					
10					
11					
12					

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

GMT=LCL+ 6

Date 2013/11/08 to 09

Event 4119

Station 9

Cast 8

Water depth 4130m

Delay duration 02:45:00

Pump duration 04:00:00

Trigger time 19:17 (01:17)

Pumps on 22:02 (04:02)

Pumps off 02:02 (08:02)

CTD/first pump in water 19:25 (01:25)

Last pump in water 21:20 (03:20)

Time at target depth 21:39 (03:39)

Water below pinger ~20m

Messenger drop 00:00 (06:00)

Recovery begins 02:10 (08:10)

All aboard 04:24 (10:24)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		4095	NA			
1	1	4075	3411	26.4 (34.1)		1647
2	2	4000	3412	24.3 (32.0)	changed battery	1553
3	3	3500	3413	26.1 (33.1)		1645
4	4	3000	3414	26.7 (33.3)		1647
5	5	2500	3415	26.5 (32.9)		1647
6	6	2000	3416	25.8 (32.9)		1636
7	7	1500	3417	26.5 (33.7)		1599
8	8	750	3418	25.6 (32.8)	changed battery	1533

Notes

MAPRs on pumps 1, 4, and 6. DBs on Pump 5.

Slight delay in triggering pumps 5-8 (vs. 1-4)

Change battery pump 2 & 8.

Final wire out: not recorded, but likely 4055m