

Pump Cast: Station 34 Deep Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	62114.9	62115.0	63225.6	1110.6
	21973472	13703.8	13703.9	13954.5	250.7
	19008655	91463.7	91463.7	92834.0	1370.3
2	19008629	101543.5	101543.7	102720.0	1176.3
	19008630	41353.5	41353.5	41755.5	402.0
	19008631	142751.4	142751.7	144329.1	1577.4
3	19008656	116912.8	116913.0	118170.0	1257.0
	19008657	56050.2	56050.5	56358.9	308.4
	19008658	182131.6	182132.0	183691.6	1559.6
4	19008638	66224.1	66224.1	67388.4	1164.3
	19008639	41049.6	41049.7	41457.6	407.9
	19008640	108676.8	108676.4	110260.8	1584.4
5	20007741	82963.8	82963.7	84127.7	1164.0
	20007742	55491.9	55491.9	55984.3	492.4
	20007743	139939.5	139939.5	141597.0	1657.5
6	20008125	56117.6	56112.4	57213.4	1101.0
	20008126	43649.9	43650.0	44229.5	579.5
	20008127	101109.0	101109.0	102808.2	1699.2
7	20008095	43987.8	43987.9	44940.4	952.5
	20008096	24952.7	24952.8	25439.5	486.7
	20008097	68500.2	68500.3	69952.1	1451.8
8	20007747	59522.5	59522.7	60449.7	927.0
	20007748	26071.5	26071.7	26542.6	470.9
	20007749	93722.8	93722.8	95137.3	1414.5
9					
10					
11					
12					

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

GMT=LCL+ 9
 Date 2013/12/13 to 14

Event 4439

Station 34

Cast 3

Water depth 4860

Delay duration 02:00:00

Pump duration 04:00:00

Trigger time 21:34 (06:34)

Pumps on 23:34 (08:34)

Pumps off 03:34 (12:34)

CTD/first pump in water 21:34 (06:34)

Last pump in water 23:20 (08:20)

Time at target depth 23:22 (08:22)

Water below pinger No ping

Messenger drop 01:40 (10:40)

Recovery begins 03:40 (12:40)

All aboard 05:22 (14:22)

Notes

CTD to be deployed, despite deep cast. Also deployed on ODF-deep. MAPRs on Pump 8 and Pump 1. DBs on Pump 1.

On deployment, noted that Pump #1 t-fitting to candelabra had partially split (not completely, but enough to explain prev. bad volumes on this pump). Replaced with parts from #9

Also checked Pump 6 (two casts of bad volumes) and noted leak near priming valve fittings. Tightened, though flow back towards filters occurred. Re-read meters. Noted QMA may have received back flow.

After cast, Spike replaced broken primer ball valve.

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		3100	NA			
1	1	3000	10159	31.6 (35.2)		1647
2	2	2700	10160	26.8 (32.5)		1647
3	3	2550	10161	31.1 (34.8)		1647
4	4	2400	10162	27.5 (32.9)		1647
5	5	300	10163	27.7 (32.1)		1647
6	6	130	10164	32.4 (35.2)		1647
7	7	45	10165	29.9 (34.5)		1581
8	8	30	10166	31.7 (35.5)		1647