

Pump Cast: Super Station 36 Extra Deep Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	20007747	63403.1	63403.1	64304.3	901.2
	20007748	27767.4	27767.4	28121.3	353.9
	20007749	99379.4	99379.4	100655.8	1276.4
2	20008125	60539.7	60539.9	61646.6	1106.7
	20008126	45691.3	45691.4	46108.2	416.8
	20008127	107598.9	107598.9	109125.2	1526.3
3	19008656	121082.9	121082.9	122157.1	1074.2
	19008657	57365.1	57365.1	57766.3	401.2
	19008658	187588.0	187588.0	189054.1	1466.1

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

GMT=LCL+ 10

 Date 2013/12/17-18

Event 4475

Station 36

Cast 16

Water depth 5136m

Delay duration 02:00:00

Pump duration 04:00:00

Trigger time 22:13 (08:13)

Pumps on 00:13 (10:13)

Pumps off 04:13 (14:13)

CTD/first pump in water 22:12 (08:12)

Last pump in water 22:31 (08:31)

Time at target depth 23:51 (09:51)

Water below pinger ~20m

Messenger drop 02:15 (12:15)

Recovery begins 04:16 (14:16)

All aboard 06:37 (16:37)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		5125	NA			
1	1	5105	10455	24.8 (32.3)		1521
2	2	5000	10456	25.7 (32.3)		1637
3	3	4750	10457	25.9 (32.5)		1629

Notes

Three pump cast on ship's metal hydrowire to near-bottom.
 CTD shackled to bottom of wire with pinger and ship's trawl weight
 Wire out speed: 60m/min after Pump 3 attached (40m/min prior)
 Wire up speed: 40m/min
 MAPRs on Pumps 1 and 3.
 DBs on Pump 1.

Final wire out: 5150m