

Pump Cast: Super Stn 1 Deep

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008635	36665.0	36665.0	37896.8	1231.8
	19008636	29210.9	29210.8	29516.4	305.6
	19008637	67357.1	67357.1	68922.6	1565.5
2	19008629	58355.3	58355.4	59384.2	1028.8
	19008630	25010.7	25010.7	25401.4	390.7
	19008631	82900.8	82900.8	84321.1	1420.3
3	19008656	76984.2	76984.2	78017.6	1033.4
	19008657	41166.8	41166.8	41547.3	380.5
	19008658	125297.0	125296.9	126731.4	1434.5
4	19008638	25627.5	25627.5	26661.7	1034.2
	19008639	26059.5	26059.6	26451.9	392.3
	19008640	52707.1	52707.0	54135.7	1428.7
5	20007741	44236.1	44236.1	45267.1	1031.0
	20007742	36931.2	36931.3	37318.1	386.8
	20007743	80964.5	80964.6	82383.8	1419.2
6	20008125	17240.2	17240.3	18408.5	1168.2
	20008126	24973.2	24973.3	25363.8	390.5
	20008127	43297.9	43298.0	44858.0	1560.0
7	20007747	23408.0	23408.0	24458.0	1050.0
	20007748	11649.2	11649.4	12025.0	375.6
	20007749	43033.2	43033.2	44450.7	1417.5
8	20007750	66814.0	66814.0	67860.9	1046.9
	20008101	43172.4	43172.4	43520.3	347.9
	20008102	118379.0	118379.0	119829.5	1450.5
9					
10					
11					
12					

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

GMT=LCL+ 5

Date 2013-10-30

Event 4024

Station 1

Cast 12

Water depth 5523

Delay duration 03:40:00

Pump duration 04:00:00

Trigger time 08:42 (13:42)

Pumps on 12:22 (17:42)

Pumps off 16:22 (21:22)

First pump in water 08:50 (13:50)

Last pump in water 10:18 (15:18)

Time at target depth _____

Water below pinger 10m
Actual: 17:22 (21:22)

Messenger drop 14:22 (19:22)
Actual: 18:15 (23:15)

Recovery begins 16:30 (21:30)

All aboard 21:00 (02:00)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		5540	NA			
1	1	5525	2195	25.4(33.3)		1613
2	2	5450	2196	25.8(33.3)		1611
3	3	5400	2197	25.6(33.1)		1592
4	4	5325	2198	26.3(33.3)		1645
5	5	5080	2199	26.7(33.1)		1647
6	6	4800	2200	25.5(33.2)		1601
7	7	4200	2201	25.9(33.5)		1579
8	8	3200	2202	24.3(32.9)	changed bat.	1446
NONE	9	2800	2203			

Notes
 MAPRs deployed on Pumps 1, 2, and 3; DBs on Pump 1.
 Extra niskin (Niskin 9) deployed at 2800m to recover prev. dropped depth.
 Pinger deployed to sound for bottom during cast, but CTD touched bottom briefly at 5440m wire out due to wire not properly zeroed at surf. (last depth sounding prior to cast was 5523m). CTD recovered at -27m wire out.
 Messenger not deployed at mid-cast, so recovery was stopped at 4200m, wire sent back to depth (5430m out) and messenger deployed when wire at 5000m (17:22 LCL). Wire back at depth 17:28. Final recovery began at 18:15. Niskin 8 had leaky nipple.
To do: Download flowmeter photos from Station 1 to Toughbook.
 Replace lost wingnut on Niskin 7. Change CTD batteries. Check MAPR data. Check Niskins for lost nipple pins.