

Pump Cast: Station 20 Deeper Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	44747.5	44747.6	45783.4	1035.8
	21973472	8047.0	8047.2	8358.9	311.7
	19008655	67922.9	67922.9	69281.6	1358.7
2	19008629	82089.5	82089.6	83274.6	1185.0
	19008630	34098.9	34098.8	34457.6	358.8
	19008631	115765.0	115764.8	117315.7	1550.9
3	19008656	99174.0	99173.8	100313.7	1139.9
	19008657	49178.0	49178.0	49523.7	345.7
	19008658	156680.3	156680.6	158164.3	1483.7
4	19008638	49059.7	49059.8	50217.0	1157.2
	19008639	34707.5	34707.6	35085.8	378.2
	19008640	84988.5	84988.7	86542.6	1553.9
5	20007741	63945.5	63945.5	64982.0	1036.5
	20007742	47884.9	47884.9	48415.8	530.9
	20007743	112861.8	112861.8	114428.7	1566.9
6	20008125	37633.0	37633.1	38827.6	1194.5
n	20008126	35457.5	35457.6	35877.6	420.0
	20008127	74213.0	74213.0	75833.7	1620.7
7	20007747	42690.0	42690.1	43776.7	1086.6
	20007748	19170.0	19170.1	19545.5	375.4
	20007749	69895.2	69895.3	71364.8	1469.5
8	20007750	84887.5	84887.1	84888.7	1.6
	20008101	49860.6	49860.7	49860.9	0.2
	20008102	143340.8	143340.8	143340.8	0.0
9					
10					
11					
12					

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

GMT=LCL+ 7

Date 2013/11/23 to 24

Event 4258

Station 20

Cast 3

Water depth 3178m

Delay duration 02:15:00

Pump duration 04:00:00

Trigger time 19:55 (02:55)

Pumps on 22:10 (05:10)

Pumps off 02:10 (09:10)

CTD/first pump in water 19:55 (02:55)

Last pump in water 20:52 (03:52)

Time at target depth not determined

Water below pinger No pinger.

Messenger drop 00:10 (07:10)

Recovery begins 02:15 (09:15)

All aboard 03:58 (10:58)

Post deployment download information						
Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		3155	NA			
1	1	3140	8702	31.3(34.5)		1647
2	2	2800	8703	25.9(31.0)		1642
3	3	2650	8704	26.5(32.5)		1639
4	4	2550	8705	25.4(30.3)		1625
5	5	2450	8706	24.8(29.8)	changed battery	1625
6	6	2350	8707	25.7(31.2)		1637
7	7	2250	8708	26.1(31.8)		1594
8	8	2100	8709	37.6	didn't fire; no err.	0

Notes

Off-axis plume station. Both casts deep (this one "deeper"=DD)
 MAPRs on Pumps 7, 5, and 3. DBs on Pump 1.
 Battery change: pump 5.
 MAPR-62 deployed without comm dummy plug. 2/3 pins dissolved.
 CTD deployed without comm cable; pins OK after cleaning.

All pumps pre-programed for deep cast 2.
 Pump 8 didn't fire, but also didn't throw an error. Computer reset?