

Pump Cast: Station 20 Deep Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	45783.4	45783.4	46813.9	1030.5
	21973472	8358.9	8358.8	8699.0	340.2
	19008655	69281.6	69281.6	70663.2	1381.6
2	19008629	83274.6	83274.6	84435.8	1161.2
	19008630	34457.6	34457.6	34832.4	374.8
	19008631	117315.7	117316.2	118856.7	1540.5
3	19008656	100313.7	100313.7	101327.1	1013.4
	19008657	49523.7	49523.8	49852.0	328.2
	19008658	158164.3	158164.3	159503.7	1339.4
4	19008638	50217.0	50217.1	51323.8	1106.7
	19008639	35085.8	35085.7	35462.8	377.1
	19008640	86542.6	86542.6	88044.1	1501.5
5	20007741	64982.0	64982.0	66146.4	1164.4
	20007742	48415.8	48416.0	48818.3	402.3
	20007743	114428.7	114428.7	115995.5	1566.8
6	20008125	38827.6	38827.5	40022.7	1195.2
n	20008126	35877.6	35877.6	36279.5	401.9
	20008127	75833.7	75833.7	77437.5	1603.8
7	20007747	43776.7	43776.7	44847.7	1071.0
	20007748	19545.5	19545.5	19907.1	361.6
	20007749	71364.8	71364.8	72821.5	1456.7
8	20007744	49597.0	49597.0	49859.8	262.8
	20007745	26685.8	26685.8	26735.0	49.2
	20007746	84452.8	84452.8	84763.8	311.0
9					
10					
11					
12					

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

GMT=LCL+ 7

Date 2013/11/24 to 25

Event 4262

Station 20

Cast 7

Water depth 3178m

Delay duration 02:15:00

Pump duration 04:00:00

Trigger time 09:58 (16:58)

Pumps on 12:13 (19:13)

Pumps off 16:13 (23:13)

CTD/first pump in water 09:58 (16:58)

Last pump in water 10:54 (17:54)

Time at target depth Not determined

Water below pinger No pinger.

Messenger drop 14:13 (21:13)

Recovery begins 16:16 (23:16)

All aboard 17:55 (00:55)

Post deployment download information

Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		3155	NA			
1	1	2900	8735	28.9(34.6)		1647
2	2	2700	8736	25.4(32.0)		1623
3	3	2600	8737	25.4(33.2)		1513
4	4	2500	8738	24.5(31.2)	batt changed	1577
5	5	2400	8739	31.5(35.3)		1647
6	6	2300	8740	25.1(32.0)	batt changed	1611
7	7	2200	8741	25.5(32.6)		1558
8	8	2000	8742	34.6(37.1)		300

Notes
 Off-axis plume station. Both casts deep.
 MAPRs on Pumps 7, 5, and 3. DBs on Pump 1.
 Old Pump 8 acting up (previous cast: failed deployment; fired on deck) so swapped out Pump 8 for Pump 9 (of 18M cast) S/N 11515-01.
 Pump 8 programmed wrong (60 min pump time), hence low volume.
 Changed battery:pump 4&6