

Pump Cast: Station 28 Shallow Cast

Pump ID	Flow S/N	Prev. End	Start (l)	End (l)	Calc. Diff
1	19008653	56131.2	56131.2	57207.0	1075.8
	21973472	11783.5	11783.5	12109.5	326.0
	19008655	83211.0	83211.0	84659.0	1448.0
2	19008629	94486.4	94486.5	95712.7	1226.2
	19008630	38923.4	38923.5	39355.4	431.9
	19008631	133261.0	133261.1	134919.3	1658.2
3	19008656	111172.5	111172.5	112328.8	1156.3
	19008657	53471.7	53471.8	53949.8	478.0
	19008658	172906.1	172906.2	174533.7	1627.5
4	19008638	61643.8	61643.8	61650.3	6.5
	19008639	39438.9	39438.9	39439.4	0.5
	19008640	102452.9	102453.0	102452.8	-0.2
5	20007741	76236.9	76236.9	77347.2	1110.3
	20007742	52584.5	52584.5	53129.4	544.9
	20007743	130300.9	130300.9	131956.6	1655.7
6	20008125	49558.1	49558.1	50660.8	1102.7
	20008126	40669.0	40669.0	41229.7	560.7
	20008127	91381.0	91381.0	93051.2	1670.2
7	20007744	57664.5	57664.6	58557.1	892.5
	20007745	29630.2	29630.3	30073.5	443.2
	20007746	95477.2	95477.4	96821.4	1344.0
8	20007747	53698.0	53698.0	54619.5	921.5
	20007748	23568.6	23568.7	24024.4	455.7
	20007749	85359.5	85359.5	86741.8	1382.3
9					
10					
11					
12					

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

GMT=LCL+ 9

Date 2013/12/06

Event 4365

Station 28

Cast 3

Water depth 4030

Delay duration 01:20:00

Pump duration 04:00:00

Trigger time 00:21 (09:21)

Pumps on 01:41 (10:41)

Pumps off 05:41 (14:41)

CTD/first pump in water 00:14 (09:14)

Last pump in water 01:18 (10:18)

Time at target depth 01:19 (10:19)

Water below pinger No pinger.

Messenger drop No msgr.

Recovery begins 05:45 (14:45)

All aboard 06:47 (15:47)

Notes

No MAPRs on shallow cast. DBs on Pump 4.
 CTD sent to 1850m to keep pumps off bad wire.
 WAIT to trigger pumps until first pump is going in (NOT at CTD)
 Deck sheet previously referenced wrong preceding cast. Fixed on PC.
 Pump 7: During programming, noted that pump clock had reset.
 OK at deployment time...

GT #9647 non-contiguous due error: pulled only 7 GT numbers

Pump#4 reset - did not pump; stopped by user (not triggered!)
 Pump#7 start flow rate 7.5 l/min

Post deployment download information						
Pump ID	Nisk	Nom depth	GT#	Low (rest) voltage	Error msg	Vol pumped (l)
CTD		1850	NA			
1	1	1500	9584	27.8 (32.2)		1647
2	2	610	9585	26.3 (30.7)		1647
3	3	440	9586	28.7 (32.8)		1647
4	4	340	9587	(31.6)	stopped by user	0
5	5	220	9588	32.6 (34.9)		1647
6	6	120	9589	29.1 (32.7)		1647
7	7	75	9590	31.5 (35.1)	start flow: 7.5L/min	1272
8	8	20	9647	28.5 (33.2)		1647