

Profiler Deployment Setup

Date 6/3/08

- Location**
- Gloucester Pt
 - Claybank
 - other _____
- Profiler**
- R.O.S.E.
 - lil ROSE

ADV (SONTEK)

cmab 35.0

- Sensor**
- B336 (V20358) & G494 (V20364)
 - B337 (V20359) & G447 (V20365)
 - B338 (V20360) & G446 (V20366)

Calibration date _____ filename _____

Compass Calibration Horizontal Calibration score (0-9) _____
 Vertical Calibration score (0-9) _____
 Ambient Mag Field Strength (4.5) _____
 Results: (pass/fail) _____

CTD (YSI 6600)

cmab 22.0

- Sensor**
- 03H1988 (V17937)
 - 03K0492 (V??008)
 - 07B1391 (V20490)

Calibration date 6/2/08

- conductivity
- pressure
- turbidity

LISST 100X (Sequoia)

80% reduction

- Sensor**
- 1075 (V14726)
 - 1185 (V18917)
 - 1232 (V20536)
 - 1239 (V20609)

cmab 15.4

- OBS**
- 1675 (V16608)
 - 1812 (V16965)
 - 11315 (V20774)

cmab 9.0

Calibration date 5/8/08 zscat name 25C010508-1239-80

PUMP INTAKE

cmab H=16.5 L=8

ADCP (RDI 1200 kHz)

cmab 61 c

- Sensor**
- 602 (V)

YKO 80515

5/15/08

6/3/08

YKO 80603 (LATE FLOOD - MAX EBS)

ON BOARD R/V ELIS OLSSON CAPT
Bob Gannish, crew Grace Conroy
BEO Lewis (with wings), Ryan Scott
(REU)

Claybank Anchor Station
(Stack - EBS)

Coordinate @ Payal
to correspond @ near exercise study

Every half hr will do profile
(BBS not extra pulley or so will
have slow profile)

will do 2 ~ 10 min bursts
with intake at either 9 cm or
16.5 cm. will alternate intake
height before each profile

Stations 4582 -

Started @ 0916 EST ~ 1-2 hr before start
(during flood) - run to max EBS
Payal arrive 0945

Cruise 42080603

(2100 hrs before start to Max EBS) 42080603

ADCP

total

depth

longitude

latitude

start time

Date

6/3/08

To take weight
16.500 L
90m L

Station	start time	latitude	longitude	total depth	ADCP filename	CTD	LISST	ADV	TSS sample	Sample Depth	sample time	End Time	Comment
4582	0916	20.861	36.978	12.38	000	✓	✓	✓	—	—	—	—	Profile Flooding
4583	0920	20.863	36.975	12.44	001	✓	✓	✓	B4583L	12.57	092116	0932	31.78 / 15.44
4584	0933	20.863	36.973	12.55	002	✓	✓	✓	B4584H	12.64	093722	0946	28.98 / 3.74 28.72 / 4.38
4585	0952	20.861	36.974	12.36	003	✓	✓	✓	—	—	—	0955	Profile
4586	0955	20.861	36.974	12.43	004	✓	✓	✓	B4585H	12.52	095723	—	19.70 / 3.35 120 / 100 — 200 m/s
4587	0926	20.861	36.972	12.47	005	✓	✓	✓	—	—	—	10	Profile
4588	1030	20.860	36.970	12.42	006	✓	✓	✓	B4588H	12.67	103627	—	19.42 / 3.27 15.49 / 3.15
4589	1046	20.860	36.974	12.17	007	✓	✓	✓	B4589H	12.64	105026	1059	19.47 / 3.17 18.34 / 2.00
4590	1105	20.862	36.970	12.28	008	✓	✓	✓	—	—	—	1106	Profile
4591	1108	20.862	36.969	12.34	009	✓	✓	✓	B4591L	12.55	114117	1125	20.96 / 4.41 20.27 / 3.83
4592	1127	20.862	36.971	12.24	010	✓	✓	✓	B4592L	12.49	113153	1137	20.40 / 4.06 21.24 / 4.90
4593	1143	20.864	36.963	12.31	011	✓	✓	✓	—	—	—	1144	Profile
4594	1145	20.865	36.963	12.36	012	✓	✓	✓	B4594H	12.73	114830	1156	21.67 / 5.32 22.54 / 6.20
4595	1157	20.857	36.957	12.24	013	✓	✓	✓	B4595H	12.66	120025	1201	25.69 / 9.35 21.21 / 2.24
4596	1204	20.851	36.957	11.94	014	✓	✓	✓	—	—	—	1205	Profile
4597	1206	20.848	36.957	11.76	015	✓	✓	✓	B4597H	12.27	121032	1217	22.73 / 6.31 40.0 / 100 Tipped
4598	1225	20.847	36.955	11.87	016	✓	✓	✓	—	—	—	1224	Profile
4599	1227	20.847	36.955	11.79	017	✓	✓	✓	B4599H	12.12	122155	1237	25.36 / 8.01 24.94 / 8.60
4600	1238	20.848	36.953	12.00	018	✓	✓	✓	B4600H	12.09	124017	1250	25.05 / 8.71 25.16 / 8.81
4601	1253	20.846	36.954	11.74	019	✓	✓	✓	B4601H	12.03	125450	1310	24.98 / 8.63 100 / 100 Tipped

Left, cause of white caps!

COMMENTS LISST mixed - high fuel conc + Turbidity 385 NTU

S4583 (NO ADV) - Turbidity too high to log file too late!

Salinity is 16.14 when CTD turbidity is 0 + salinity is 9-10 PSU - in mud??
ADV still + will work - ~~ADV~~ brought up. At end of cruise.