

12/20/11

Clay Bank Calibrat - en. se
on Board R/V Elis Olsson. Capt
Wayne Jensen, en. Gusa Cartwright

on Station 0730 EST. missed current tables
slack as have earlier than expected.

Stations 4989 - 5004

Profiler Deployment Setup

Date 12/13/11

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

ADV (SONTEK)

cmab 55c

- Sensor**
- DA MAN'S ADV (V20361)
 - 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 38.5

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

Calibration date 11/10/11 12/13/11

- conductivity
- pressure
- turbidity

BRAND NEW!!! (ET-1417)

LISST 100X (Sequioa)

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

cmab 39

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

cmab 36

Calibration date _____ zscat name _____

PUMP INTAKE

cmab H - 37 cmad
L - 30 cmad

ADCP (RDI 1200 kHz)

- Sensor**
- 602 (V)

cmab _____

~~EBB Flood~~ BAKT EBB (missed 1st shot)

Cruise YR111200

Date 12/20/11

Pycnocline

Station	start time	37° latitude	-76° longitude	ADCP total depth	ADCP filename	CTD	LISST	ADV	TSS sample	Sample Depth	sample time	End Time *	Comment
4989	0752	20.433	37.506	5.12	000	✓	✓	✓	B4989	16.28 FT 9.47 FT	075016		New CTD forgot to change to SS units! (1)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M4989	9.47 FT	080244		← to wood
↓	↓	↓	↓	↓	↓	↓	↓	↓	T4989	2.66 FT	080844		EBB ~ 28 m/sec
4990	0819	20.4323	37.5059	5.62	001	✓	✓	✓	B4990	5.44	082725		
+	+	+	+	+	+	+	+	+	B4990H	5.44	082849		
4991	0832	20.4325	37.5064	5.61	002	✓	✓	✓	B4991H	5.40	083930		
+	+	+	+	+	+	+	+	+	B4991H	5.40	084100		
4992	0857	20.4304	37.5701	5.53	003	↓	↓	↓	B4992	4.48	090349		NO data until 10:00 hrs (2)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M4992	2.34	090805		possible fine particles present! NO large particles!
↓	↓	↓	↓	↓	↓	↓	↓	↓	B4992	1.22	091221		
4993	0916	20.4311	37.5087	5.45	004	✓	✓	✓	B4993H	5.20	091830		
↓	↓	+	+	+	+	↓	↓	↓	B4993L	5.19	091938		
4994	0943	20.4311	37.5082	5.35	005	✓	✓	✓	B4994L	5.10	094700		
↓	↓	+	+	+	+	+	+	+	B4994H	5.09	095002		
4995	0957	20.4309	37.5082	5.35	006	✓	✓	✓	B4995	4.54	100238		Profile (3)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M4995	2.98	100550		
↓	↓	↓	↓	↓	↓	↓	↓	↓	T4995	1.50	101118	60 cm/sec	Large particles on surface?? **
4996	1017	20.4309	37.5078	5.27	007	✓	✓	✓	B4996H	5.03	101930		
+	+	+	+	+	+	+	+	+	B4996L	5.02	102218		

COMMENTS * see waves w/ ADCP backscatter in middle depths + peak valleys in surf/temp.
 ↑ peak wave at pycnocline?

H prof (1) for profiles.

** water looks black like dark tea!

Very calm - winds < 5 knots

Cruise

YK 11220

Date

12/20/11

(2)

Station	start time	latitude	longitude	total depth	ADCP filename	CTD	LISST	ADV	TSS sample	Sample Depth	sample time	End Time	Comment
4997	1045	20.4309	37.5073	5.21	008	✓	✓	✓	B4997L	4.75	105209		LISST MADE
↓	↓	↓	↓	↓	↓	↓	↓	↓	B4997H	4.95	105410		↓
4998	1101	20.4316	37.5064	5.26	009	✓	✓	✓	B4998	4.62	110427		LISST MADE (4)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M4998	2.48	110743		WATER IS
									T4998	0.68	11235	-60cm/sec	NO LISST FOUND!
4999	1116	20.4314	37.5069	5.14	010	✓	✓	✓	B4999H	4.92	111817		
↓	↓	↓	↓	↓	↓	↓	↓	↓	B4999L	4.92	111930		
5000	1146	20.4314	37.5073	5.12	011	✓	✓	✓	B5000H	4.90	115011		
↓	↓	↓	↓	↓	↓	↓	↓	↓	B5000L	4.90	115126		
5001	1206	20.4320	37.4664	5.17	012	✓	✓	✓	B5001	4.36	120830		Profile (3)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M5001	2.24	121224		
									T5001	1.30	121630		
5002	1221	20.4309	37.5073	5.13	013	✓*	✓	✓	B5002H	4.88	122210		
↓	↓	↓	↓	↓	↓	↓	↓	↓	B5002L	4.90	123032		Started logging internally??
5003	1247	20.4311	37.5073	5.14	014	✓	✓	✓	B5003H	4.92	124913		SLACK
↓	↓	↓	↓	↓	↓	↓	↓	↓	B5003L	4.29	125120		
5004	1305	20.4316	37.5082	5.26	015	✓	✓	✓	B5004	4.37	130823		Profile (6)
↓	↓	↓	↓	↓	↓	↓	↓	↓	M5004	2.44	131151		
									T5004	1.16	131615		

COMMENTS

max EBB 1018 predicted @ Pags Rock.

* CTD locked up!

Stopped.
Wind picking up + wind
boat to swing.