

9-1-10

Anchor Station profiler Cruise at Claybank
bracketing a flood tide on board R/V Heron with
Captain Wayne Reischer, Grace Massey, Kelsey Foll.
Bracketting ~~of~~ a flood tide.

SS707 - 5/013

* NO Sontex

* 80% path reduction in LISST

* PICS Stoppe connecting had to go back

Profiler Deployment Setup

Date 9-1-16

Location

- Gloucester Pt
- Claybank
- other _____

ADV (SONTEK)

Sensor

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

cmab 53.5

ADV (Nortek)

Sensor

- V21977 (special compass)
- VCH4856 (Head) & VEC9685 (Hardware) V21967
- VCH4844 (Head) & VEC9679 (Hardware) V21966
- VCH48454 (Head) & VEC9699 (Hardware) V21968
- VEH4493 (Head) & VEC9697 (Hardware) V20113

cmab 51

CTD (EXO2)

Sensor

- 16A10030 V ET-1851
- other _____

cmab 40.0

Calibration date _____

- conductivity
- pressure
- turbidity
- DO
- Chlorophyll/Blue-green Algae
- pH
- fDOM

LISST 100X (Sequioa)

Sensor

- 1185 (V18917)
- 1239 (V20609)

cmab 36

zscat filename _____

date _____

PICS

Sensor

- SN2 (V21990)

cmab 61

PUMP INTAKE

cmab 36

ADCP (RDI 1200 kHz)

Sensor

- 602 (V15438)

cmab N/A

9-2-16

A Longitudinal (Axial) Profiling Cruise along the York River on board the R/V Heron with Captain Wayne Reisher, Grace Massey & Kelsey Fall.

Trying to capture peak (or close to) Flood @ every station.

85714 - 85719

* 85% PRM in List

Cruise VR160902 Longitudinal Survey capturing max Pflou

Date 9-2-16

From ADCP

From CTD

Station	Desc	Start Time (EST)	Latitude (deg)	Longitude (deg)	Total Depth (m)	ADCP Filename	CTD	LISST	ADV 1	ADV 2	TSS Sample Name	Sample Depth (m)	Sample Time (EST)	PICS filenames
5714	profile	705	15°09.2	34°40.2	19		✓	✓	✓	✓	B5714	6.39	710	70706, 70813, 70846
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5714	4.25	724	72340, 72412
5714	profile	813	17°42.4	34°19.0	17		✓	✓	✓	✓	T5714	1.15	727	72558, 72632, 72703
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	B5715	5.68	822	82100, 82141, 82213
5715	profile	910	20°38.3	37°37.8	14		✓	✓	✓	✓	M5715	3.81	825	82341, 82414
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5715	1.81	877	82603, 82634, 82705
5716	profile	1010	26°00.2	42°57.6	18		✓	✓	✓	✓	B5716	6.77	914	91226, 91303, 91336
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5716	4.36	916	91523, 91555
5717	profile	1010	26°00.2	42°57.6	18		✓	✓	✓	✓	T5716	1.96	919	91738, 91819, 91850
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	B5717	4.66	1017	101533, 101611, 101643
5718	profile	1112	29°14.8	45°47.2	15		✓	✓	✓	✓	M5717	3.5	1019	101757, 101831
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5717	1.4	1021	101948, 102021, 102053
5718	profile	1211	32°11.2	52°43.1	18		✓	✓	✓	✓	B5718	5.16	1116	111448, 111519, 111549
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5718	3.44	1118	111301, 111732
5719	profile	1211	32°11.2	52°43.1	18		✓	✓	✓	✓	T5718	1.65	1120	111843, 111916, 111951
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	B5719	5.33	1214	121249, 121321, 121352
5719	profile	1211	32°11.2	52°43.1	18		✓	✓	✓	✓	M5719	3.13	1216	121517, 121552
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5719	2.3	1218	121277, 121758, 121829

Comments:

- * 86% PCM in Lisst, No sensor ADV
- * B5714 - Marker cut out early / started again as B
- * B5718 - 21mab - too turned @ bottom
- * B5719 - 21mab - too turned @ bottom
- * B5717 - ~ 2mab - too turned for bottom
- * @ bottom PDC has issues, #1000s connectivity for first video
- 5715 45716