

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 - 5113

\* 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 flood

Date 9-2-16

From ADCP

From CTD

Station	Desc	Start Time (EST)	Latitude Longitude		Total Depth (m)	ADCP Filename X	Nortec			TSS Sample Name	Sample Depth (m)	Sample Time (EST)	PICS filenames
			37 deg (min)	-76 deg (min)			LISST	ADV 1	ADV 2				
5714	profile	705	15°09.2	30°40.2	19		✓	✓	✓	B5714	6.39	710	70736, 70813, 70846
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5714	4.25	724	72340, 72412
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5714	1.5	727	72558, 72632, 72703
5715	profile	813	17°42.4	34°19.0	17		✓	✓	✓	B5715	5.68	822	82106, 82141, 82213
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5715	3.81	825	82341, 82414
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5715	1.81	877	82603, 82634, 82705
5716	profile	910	20°38.3	37°37.8	14		✓	✓	✓	B5716	6.77	914	91226, 91303, 91336
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5716	4.36	916	91523, 91555
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5716	1.96	919	91738, 91819, 91850
5717	profile	1010	26°00.2	42°57.6"	18		✓	✓	✓	B5717	4.6	1017	101533, 101611, 101643
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5717	3.5	1019	101757, 101831
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5717	1.4	1021	101948, 102021, 102053
5718	profile	1112	29°14.8"	45°47.7"	15		✓	✓	✓	B5718	5.16	1116	111448, 111519, 111549
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5718	3.44	1118	111701, 111732
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5718	1.65	1120	111843, 111916, 111951
5719	profile	1211	32°11.2"	52°43.1"	18		✓	✓	✓	B5719	5.33	1214	121249, 121321, 121352
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	M5719	3.3	1216	121517, 121552
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	T5719	2.3	1218	121727, 121758, 121829

Comments:

- \* 80% perm in Lisst, No Nortec ADV
- \* @ bottom PICS has issues, #1055 connectivity for first video
- B5714 - Nortec cut out early, started again as B
- \* B5717 - ~ 2 mab - too turbid for bottom
- \* B5718 - 21 mab - too turbid @ bottom
- \* B5719 - ~ 1 mab - too turbid @ bottom
- 5715 & 5716