Draft Day-by-Day Operations Plan—CT River USRS Program

Thursday, June 22 Mobilization -- put vans on r/v Armstrong, misc. gear

Friday, June 23

0900? Depart WH Dock for mouth of CT River
1600 transfer personnel to small vessels for gear testing
1800-1900 personnel return to ship
2000 Science debrief and planning in mess
no night ops planned.

Saturday, June 24

0830-1800 transfer personnel between small vessels and Armstrong for gear testing

1400 deployment AUVs for Deployment 0 (test of river plume operations)

1500 Start Deployment 0

1615 Max ebb

1815 end AUV missions – deployment 0

1830-1900 transfer personnel back to Armstrong

2000 Science debrief and planning in mess
no night ops planned.

Sunday, June 25

0600 transfer personnel for deployment 1a – late ebb East plume front

0900 personnel return from deployment 1a

1000-1030 final science briefing for deployment 1 in mess

1515 transfer personnel to small vessels for deployment 1

1600 Start AUV missions – deployment 1 – west plume front

1708 Max ebb

1910 end AUV missions – deployment 1

1920-1950 transfer personnel back to Armstrong

2030 Science debrief and planning in mess
no night ops planned.

Monday, June 26

0630 transfer personnel for deployment 2a – late ebb East plume front

0800-1530 HAPS coring (see attached map for locations)

0950 personnel return from deployment 2a

1100-1130 final science briefing for deployment 2 in mess

1530 transfer personnel to small vessels for deployment 2

1630 Start AUV missions – deployment 2 – west plume front

1810 Max ebb

2000 end AUV missions – deployment 2

2010-2030 transfer personnel back to Armstrong

2100 Science debrief and planning in mess

no night-time ops

Tuesday, June 27

0800 Science planning in mess

0930 transfer personnel for deployment 3 – salt wedge advance

1030 Start AUV missions – deployment 3

1137 max flood

1439-1500 end AUV missions

1530-1630 transfer personnel back to Armstrong

1900 debrief and planning in mess

1600-2300 HAPS coring

Wednesday, June 28

0800 Science planning in mess

0930 transfer personnel for deployment 4 – salt wedge advance

1030 Start AUV missions – deployment 4

1229 max flood

1500-1530 end AUV missions

1600-1700 transfer personnel back to Armstrong

1900 debrief and planning in mess

1730-2300 -- HAPS coring

Thursday, June 29

0600 transfer personnel for deployment 5 – ebb fronts in estuary

0700 start auv missions for deployment 5

0813 max ebb

1200 end auv missions

1230-1330 personnel return to Armstrong

1900 debrief and planning in mess

Friday, June 30

0630 transfer personnel for deployment 6 – shear instabilities in estuary

0700 start auv missions for deployment 6

0908 max ebb

1300 end auv missions

1330-1500 personnel return to Armstrong

1600 Armstrong starts CTD transect down Long Island Sound

2000 Armstrong finishes CTD line outside LIS, deadheads for Woods Hole



Green circles: tentative Armstrong coring locations

Red circles: R/V Discovery coring locations