

JD	Time UTC	Subx (*.sxr)	424 (*.sgy)	Hypack (*.JD)	SVP	Comments
<h2 style="text-align: center;">SURVEY PARAMETERS</h2>						
<p>Survey Times: UTC (ZD= -4 hrs)</p>						
<p>Personnel: On Rafeal = Foster, Irwin, Moore</p>						
<p>Positions: UTM Zone 18 WGS84</p>						
<p>Seismics: Collecting subbottom with the Edgetech 424 system, using SonarWiz 5 (version 5.05.0015). Using the 4-24 kHz pulse, 5 ms transmit length (spectrum SB424_4_24_5FM_TSB.spf), 100% power, 200 ms shot rate, recording 60 ms of data. Navigation coming from the Hemisphere receiver, antenna located port side on the aft of the cabin. Layback is 4 meters, depth below water line 0.5 meters. GPS offset from sheave: x = 2.38, y = .62, z = 0. Entered these values into SonarWiz starting with line 8f2.</p>						
<p>GPS Equipment: Coda F180 L1/L2 RTK >> SUBX . >>> Hypack TID, Novatel GPS DL-V3 (RTK) >>> Hypack TID, Hemisphere (DGPS) >>> Hypack. The Hemisphere (fomerly CSI) DGPS receiver uses the antenna mounted on the port aft side of the cabin. RTK antenna mounted on submetrix pole, center between the F180 antenna. <i>DEV 0 - Hemisphere DGPS; DEV 1 - Depth echosounder (dummy); DEV 2 - Novatel DLV3 RTK; DEV 4 - F180 RTK</i></p>						
<p>Applied Microsystems Sound Velocity settings: Head mounted SVP output at 1 Hz, recorded in SUBX. Profiles with SVP at ~ 2 hr intervals, 4 Hz sampling rate.</p>						
<p>Sound Velocity: AML SVP Plus used for profiling. Connect at 9600,8,n,1. Using SmartTalk version 2.29 to download and export the data for SwathPlus.</p>						
<p>SEA SwathPlus settings: Variable range (increased or decreased manually depending on water depth), transmit power 60% transmit length 34 cycles, 4096 samples per channel, ping range 46m. Using F180 for position (L1/L2 RTK), and heading. AML mini-SVP attached to subx head(1Hz). SEA Swath Acq software version 3.07.17.00</p>						

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Applied Microsystems Sound Velocity settings: Head mounted SVP output at 1 Hz, 9600,8,n,1, recorded in SUBX. Profiles with SVP at ~ 2 hr intervals, 4 hertz sampling rate.

2012-024-FA Connecticut River - Saturday September 15, 2012 JD259

						Heading out to the LI Sound to run a patch test and lines for L. Poppe
259	1800					Starting survey, Out to calibrate the F180 and then run a patch test.
259	1844					F180 calibrated
259	1853				Cast 1	SVP cast 1, x=719488 y=4569054, 16.2 meters
259	1910	patch1				start patch line 1. Using 50 meter line spacing for the patch test.
259	1916					EOL patch 1
259	1917	patch2				SOL patch 2
259	1920					EOL patch 2
259	1921	patch3				SOL patch 3
259	1926					EOL patch 3
259	1927	patch4				SOL patch 4
259	1930					EOL patch 4
259	1931	patch5				SOL patch 5
259	1936					EOL patch 5
259	1936	patch6				SOL patch 6
259	1939					EOL patch 6
259	1940	patch7				SOL patch 7
259	1945					EOL patch 7
259	2034					EOL Line 1, done

Sunday September 16, 2012 JD260

260	1200					leaving the dock Saybrook Point Marina
260	1215				Cast2	SVP cast 2, x=722116 y=4573631, 6.2 meters
260	1239	I2f1	I2f1	015_1239.260		SOL 2
260	1246					going over a rip, wiping out 424 signal
260	1253					EOL 2
260	1253	I3f1	I3f1	014_1253.260		SOL 3, change 424 from 100 ms to 60 ms length, 200 ms fire
260	1255					wake
260	1303					EOL
260	1304	I4f1	I4f1	013_1304.260		SOL 4
260	1306					changed raybending to "on" in sos setting for subx
260	1319					EOL 4
260	1321				Cast3	SVP cast 3, x=722958 y=4572221, 7.0 meters
260	1327	I5f1	I5f1	012_132.260		SOL 5, noise and washout on 424 related to current change
260	1337					EOL 5

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260	1337	I6f1	I6f1	011_1337.260		SOL 6
260	1355					EOL 6
260	1356	I7f1	I7f1	010_1356.260		SOL 7
260	1407					EOL 7, boat wake at end of line, lots of boat traffic today
260	1408	I8f1	I8f1	009_1408.260		SOL 8
260	1413				Cast4	SVP cast 4, x=722270 y=4573247, 6.4 meters
260	1419	I8f2	I8f2	009_1419.260		restart line 8
260	1436					EOL 8
260	1436	I9f1	I9f1	008_1436.260		SOL 9
260	1449					EOL 9
260	1450	I10f1	I10f1	007_1450.260		SOL 10
260	1508					EOL 10
260	1508	I11f1	I11f1	006_1508.260		SOL 11
260	1516					EOL 11
260	1517	I12f1	I12f1	005_1517.260		SOL 12
260	1526					EOL 12
260	1526	I13f1	I13f1	004_1526.260		SOL 13
260	1531					EOL 13
260	1533				Cast5	SVP cast 5, x=722635 y=4572725, 8.0 meters
260	1544	I14f1	I14f1	003_1544.260		SOL 14
260	1550					EOL 14
260	1551	I15f1	I15f1	002_1551.260		SOL 15
260	1555					EOL 15
260	1556	I16f1	I16f1	001_1556.260		SOL 16
260	1600					Navigation now logging on SonarWiz, all previous files have no nav in header
260						EOL 16
260	1609	I17f1	I17f1	017_1609.260		SOL 17
260	1615					EOL 17
260	1616	I18f1	I18f1	018_1616.260		SOL 18
260	1620					EOL 18
260	1622	I19f1	I19f1	019_1622.260		SOL 19
260	1624					EOL 19
260	1629				cast7	SVP cast 7, x=722210 y=4573686, 6.4 meters
260	1635	I20f1	I20f1	023_1635.260		SOL 20
260	1637					CC dogleg
260	1651					EOL 20
260	1653	I21f1	I21f1	022_1653.260		SOL 21
260	1707					CC dogleg
260	1708					EOL 21
260	1708	I22f1	I22f1	021_1708.260		SOL 22
260	1710			030_1710.260		change hypack file at dogleg
260	1726					EOL 22
260	1728				cast8	SVP cast 8, x=721970 y=4576323, 5.8 meters
260	1736	I23f1	I23f1	029_1736.260		SOL 23

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260	1746					EOL 23
260	1747	I24f1	I24f1	028_1747.260		SOL 24
260	1757					EOL 24
260	1758	I25f1	I25f1	027_1758.260		SOL 25
260	1804					EOL 26
260	1805	I26f1	I26f1	026_1805.260		SOL 26
260	1809					EOL 26
260	1810	I27f1	I27f1	025_1810.260		SOL 27
260	1812					EOL 27
260	1817	I28f1	I28f1	007_1817.260		SOL 28
260	1837					EOL 28
260	1838	I29f1	I29f1	008_1838.260		SOL 29
260	1849					EOL 29
260	1851				cast9	SVP cast 9, x=722139 y=4573760, 6.0 meters
260	1851	I30f1	I30f1	009_1851.260		SOL 30
260	1922					EOL 30
260	1922	I31f1	I31f1	010_1922.260		SOL 31
260	1925					multiple boat wakes
260	1933					EOL 31
260	1934	I32f1	I32f1	011_1934.260		SOL 32
260	1958					EOL 32
260	1959				cast10	SVP cast 10, x=721848 y=4576400, 7.0 meters
260	2004	I33f1	I33f1	012_2004.260		SOL 33
260	2016					EOL 33
260	2016	I34f1	I34f1	013_2016.260		SOL 34
260	2041					EOL 34
260	2041	I35f1	I35f1	014_2041.260		SOL 35
260	2053					EOL 35, pulling gear for the day
Monday September 17, 2012 JD261						
261	1145					Depart Saybrook Point Marina
261	1208				cast11	SVP cast 11, x=722097 y=4573884, 6.0 meters
261	1243	I36f1	I36f1	032_1243.261		SOL 36
261	1256					EOL 36
261	1256	I37f1	I37f1	033_1256.261		SOL 37
261	1311					EOL 37
261	1312	I38f1	I38f1	034_1312.261		SOL 38
261	1324					EOL 38
261	1326				cast12	SVP cast 12, x=721850 y=4576451, 7.2 meters
261	1331	I39f1	I39f1	037_1331.261		SOL 39
261	1347					EOL 39
261	1348	I40f1	I40f1	036_1348.261		SOL 40
261	1352			038_1352.261		new HYPACK file

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261	1358					EOL 40
261	1400	I41f1	I41f1	008_1400.261		SOL 41
261	1401					passing under railroad bridge
261	1406					passing under I95 bridge
261	1409					EOL 41
261	1410	I42f1	I42f1	007_1410.261		SOL 42
261	1414					passing under I95 bridge
261	1422					passing under railroad bridge
261	1425					EOL 42
261	1427	I43f1	I43f1	023_1427.261		SOL 43
261	1428					passing under railroad bridge
261	1433					passing under I95 bridge
261	1435					EOL 43
261	1437				cast13	SVP cast 13, x=721998 y=4578231, 6.3 meters
261	1441	I44f1	I44f1	022_1441.261		SOL 44
261	1447					passing under I95 bridge
261	1450					current pushing 424 fish against the hull, slowing down
261	1451					resume speed
261	1454					passing under railroad bridge
261	1458					EOL 44
261	1501	I45f1	I45f1	030_1501.261		SOL 45
261	1503					passing under railroad bridge
261	1505					current pushing 424 fish against the hull, slowing down
261	1508					passing under I95 bridge
261	1509					CC to fork in channel east of Calves Island
261	1516					EOL 45
261	1516	I46f1	I46f1	048_1516.261		SOL 46, heading south down channel east of Calves Island
261	1523					EOL 46
261	1525	I47f1	I47f1	042_1525.261		SOL 47
261	1527					passing under I95 bridge
261	1532					EOL 47
261	1533	I48f1	I48f1	041_1533.261		SOL 48
261	1537					passing under I95 bridge
261	1539					EOL 48
261	1542	I49f1	I49f1	040_1542.261		SOL 49
261	1545					EOL 49
261	1548				cast14	SVP cast 14, x=722056 y=4577221, 8.1 meters
261	1554	I50f1	I50f1	009_1554.261		SOL 50
261	1559					passing under I95 bridge
261	1606					passing under railroad bridge
261	1609					EOL 50
261	1609	I51f1	I51f1	010_1609.261		SOL 51
261	1619					EOL 51
261	1620	I52f1	I52f1	011_1620.261		SOL 52
261	1631					passing under railroad bridge

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261	1633					EOL 52
261	1634	I53f1	I53f1	012_1634.261		SOL 53
261	1636					passing under railroad bridge
261	1641					passing under I95 bridge
261	1646					EOL 53
261	1646	I54f1	I54f1	013_1646.261		SOL 54
261	1651					passing under I95 bridge
261	1657					passing under railroad bridge
261	1700					EOL 54
261	1701	I55f1	I55f1	031_1701.261		SOL 55
261	1709					passing under I95 bridge
261	1713					EOL 55
261	1715				cast15	SVP cast 15, x=721911 y=4578405, 7.1 meters
261	1721	I56f1	I56f1	051_1721.261		SOL 56
261	1727					EOL 56
261	1727	I57f1	I57f1	050_1727.261		SOL 57
261	1731					EOL 57
261	1731	I58f1	I58f1	049_1731.261		SOL 58
261	1735					EOL 58
261	1735	I59f1	I59f1	052_1735.261		SOL 59
261	1741					EOL 59
261	1742	I60f1	I60f1	053_1742.261		SOL 60
261	1748					EOL 60
261	1749	I61f1	I61f1	054_1749.261		SOL 61
261	1754					EOL 61
261	1755	I62f1	I62f1	055_1755.261		SOL 62
261	1759					turning to avoid shoal
261	1802					EOL 62
261	1802	I63f1	I63f1	056_1802.261		SOL 63
261	1808					EOL 63
261	1808	I64f1	I64f1	057_1808.261		SOL 64
261	1815					EOL 64
261	1816	I65f1	I65f1	058_1816.261		SOL 65
261	1821					EOL 65
261	1823				cast16	SVP cast 16, x=722059 y=4578054, 6.0 meters
261	1827	I66f1	I66f1	059_1827.261		SOL 66
261	1837					EOL 66
261	1837	I67f1	I67f1	060_1837.261		SOL 67
261	1843					EOL 67
261	1843	I68f1	I68f1	061_1843.261		SOL 68
261	1853					EOL 68
261	1854	I69f1	I69f1	062_1854.261		SOL 69
261	1900					EOL 69
261	1900	I70f1	I70f1	063_1900.261		SOL 70

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261	1913					EOL 70
261	1916	I71f1	I71f1	064_1916.261		SOL 71
261	1924					EOL 71
261	1925	I72f1	I72f1	065_1925.261		SOL 72
261	1943					EOL 72
261	1944				cast17	SVP cast 17, x=720721 y=4579726, 6.8 meters
261	1947	I73f1	I73f1	066_		SOL 73
261	1957					EOL 73
261	1958	I74f1	I74f1	067_1958.261		SOL 74
261	2016					EOL 74
261	2017	I75f1	I75f1	068_2017.261		SOL 75
261	2024					EOL 75, stopping for the day, going to get fuel

Tuesday September 18, 2012 JD262

262	1130					Leave Saybrook Point Marina
262	1210					calibrating
262	1215					hit rock with submetrix head
262	1230					heading to boar ramp. We need to pull the boat and remove the pole to replace the main pivot bolt that was sheared off on impact
262	1550					Main pivot bolt replaced and underway to test swath system
262						high pitch and roll error, IMU seems to be damaged
262	1640			069_1639.262		running transit line 424 only
262	1642					cc
262	1647					cc
262	1653					cc
262	1657					cc
262	1702					cc
262	1708					EOL transit1
262	1708					SOL transit2, 1-2 foot swell, swell in 424 data
262	1713					cc
262	1719					cc
262	1738					EOL
262	1800					at Saybrook Point Marina, south wind picking up, gusts to 40 mph overnight

Wednesday September 19, 2012 JD263

263	1200					replace IMU on swathplus with spare, other unit probably damaged in rock strike
263	1314					deploying gear north of I95 Bridge, wind from north
263	1320					calibrating, pitch/roll looks good
263	1438				cast18	SVP cast 18, x=721809 y=4578588, 5.3 meters
263	1447	I76f1	I76f1	069_1447.263		SOL 76
263	1456					EOL 76
263	1457	I77f1	I77f1	070_1457.263		SOL 77
263	1506					EOL 77
263	1506	I78f1	I78f1	071_1506.263		SOL 78
263	1514					EOL 78

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263	1515	I79f1	I79f1	072_1515.263		SOL 79
263	1524					EOL 79
263	1525	I80f1	I80f1	073_1525.263		SOL 80
263	1532					EOL 80
263	1533	I81f1	I81f1	074_1533.263		SOL 81
263	1540					EOL 81
263	1541	I82f1	I82f1	075_1541.263		SOL 82
263	1548					EOL 82
263	1550				cast19	SVP cast 19, x=720861 y=4579751, 8.3 meters
263	1600	I83f1	I83f1	076_1600.263		SOL 83
263	1608					EOL 83
263	1608	I84f1	I84f1	077_1608.263		SOL 84
263	1616					EOL 84
263	1618	I85f1	I85f1	067_1618.263		SOL 85
263	1621			082_1621.263		change hypack file, same line
263	1622					rocky bottom
263	1627					EOL 85
263	1628	I86f1	I86f1	080_1628.263		SOL 86
263	1632					EOL 86
263	1638	I87f1	I87f1	068_1638.263		SOL 87
263	1647					EOL 87
263	1647	I88f1	I88f1	069_1647.263		SOL 88
263	1658					EOL 88
263	1659	I89f1	I89f1	070_1659.263		SOL 89
263	1710					EOL 89
263	1711				cast20	SVP cast 20, x=719276 y=4580620, 5.8 meters
263		I90f1	I90f1	071_.263		SOL 90
263	1730					EOL 90
263	1731	I91f1	I91f1	072_1730.263		SOL 91
263	1740					EOL 91
263	1740	I92f1	I92f1	073_1740.263		SOL 92
263	1753					EOL 92
263	1754	I93f1	I93f1	074_1754.263		SOL 93
263	1759					EOL 93
263	1800	I94f1	I94f1	075_1800.263		SOL 94
263	1806					EOL 94
263	1806	I95f1	I95f1	076_1806.263		SOL 95
263	1811					EOL 95
263	1817				cast21	SVP cast 21, x=719553 y=4580446, 10.8 meters
263	1823	I96f1	I96f1	114_1823.263		SOL 96
263	1824					EOL 96
263	1825	I97f1	I97f1	113_1825.263		SOL 97
263	1827					EOL 97

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263	1827	I98f1	I98f1	112_1827.263		SOL 98
263	1829					EOL 98
263	1830	I99f1	I99f1	111_1830.263		SOL 99
263	1831					EOL 99
263	1832	I100f1	I100f1	110_1832.263		SOL 100
263	1835					EOL 100
263	1835	I101f1	I101f1	109_1835.263		SOL 101
263	1837					EOL 101
263	1838	I102f1	I102f1	108_1838.263		SOL 102
263	1841					EOL 102
263	1842	I103f1	I103f1	107_1842.263		SOL 103
263	1845					EOL 103
263	1845	I104f1	I104f1	106_1845.263		SOL 104
263	1849					EOL 104
263	1851	I105f1	I105f1	105_1851.263		SOL 105
263	1856					EOL 105
263	1856	I106f1	I106f1	104_1856.263		SOL 106
263	1908					EOL 106
263	1908	I107f1	I107f1	103_1908.263		SOL 107
263	1918					EOL 107
263	1918	I108f1	I108f1	102_1918.263		SOL 108
263	1931					EOL 108
263	1933				cast22	SVP cast 22, x=719388 y=4582189, 8.9 meters
263	1941	I109f1	I109f1	101_1941.263		SOL 109
263	1951					EOL 109
263	1951	I110f1	I110f1	100_1951.263		SOL 110
263	2015					not receiving RTK
263	2017					EOL 110
263	2019	I111f1	I111f1	099_2018.263		SOL 111
263	2030					Good RTK now
263	2035					EOL 111
263	2035	I112f1	I112f1	098_2035.263		SOL 112
263	2059					EOL 112
263	2100	I113f1	I113f1	097_2100.263		SOL 113
263	2112					EOL 113, off Essex, quitting for the day
Thursday September 20, 2012 JD264						
264	1145					leaving the dock Saybrook Point Marina
264	1200					Offshore Long Island Sound for patch test
264	1215					Too rough for patch test in the Sound, heading back in
264	1230					Doing patch test just west of river mouth
264	1232				cast23	SVP cast 23, x=721699 y=4570316, 7.4 meters
264	1239	patch1		007_1239.264		SOL patch1
264	1246					EOL patch1, low veocity, fresh water causing refraction at end of line
264	1247	patch2		006_1247.264		SOL patch2

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264	1252					EOL patch2
264	1253	patch3		005_1253.264		SOL patch3
264	1259					EOL patch3
264	1300	patch4		004_1300.264		SOL patch4
264	1303					EOL patch4
264	1305	patch5		003_1305.264		SOL patch5
264	1312					EOL patch5
264	1313	patch6		002_1313.264		SOL patch6
264	1316					EOL patch6
264	1318	patch7		001_1318.264		SOL patch7
264	1325					EOL patch7 - <i>verified that the roll offsets didn't change - don't need to process these files (note the same names as the original patch test therefore not copied to Buff</i>
264	1332				cast24	SVP cast 24, x=722540 y=4571054, 6.3 meters
264	1345	I114f1	I114f1	043_1345.264		SOL 114, heave on 424 outside breakwall
264	1348					into calm waters now, no heave inside breakwall
264	1354					EOL 114
264	1354	I115f1	I115f1	044_1354.264		SOL 115
264	1400					EOL 115
264	1401	I116f1	I116f1	045_1401.264		SOL 116, big swell just outside breakwall, dropouts on swath
264	1409					EOL 116
264	1409	I117f1	I118f1	046_1409.264		SOL 117
264	1414					EOL 117
264	1422	I118f1	I118f1	014_1422.264		SOL 118, gap fill
264	1426					EOL 118
264	1429	I119f1	I119f1	014_1429.264		SOL 119, gap fill
264	1431					EOL 119
264	1446				cast25	SVP cast 25, x=721843 y=4576288, 6.76 meters
264	1453	I120f1	I120f1	034_1453.264		SOL 120
264	1455					EOL 120
264	1455	I121f1	I121f1	033_1455.264		SOL 121
264	1457					EOL 121
264	1458	I122f1	I122f1	032_1458.264		SOL 122
264	1500					passing under railroad bridge
264	1502					EOL 122, pulling gear to transit upriver to Essex
264	1519				cast26	SVP cast 26, x=719497 y=4580525, 5.4 meters
264	1527	I123f1	I123f1	096_1527.264		SOL 123
264	1541					EOL 123
264	1542	I124f1	I124f1	095_1542.264		SOL 124
264	1559					EOL 124
264	1559	I125f1	I125f1	094_1559.264		SOL 125
264	1612					EOL 125
264	1612	I126f1	I126f1	093_1612.264		SOL 126
264	1630					EOL 126
264	1630	I127f1	I127f1			SOL 127

<i>JD</i>	<i>Time UTC</i>	<i>Subx (*.sxr)</i>	<i>424 (*.sgy)</i>	<i>Hypack (*.JD)</i>	<i>SVP</i>	<i>Comments</i>
264	1630					stop line and circle back
264	1632	I127f2	I127f2	092_1632.264		restart line 127
264	1635					slowed down, 424 fish was stuck against the hull, 424 bad before this time
264	1640					EOL 127
264	1641	I128f1	I128f1	091_1641.264		SOL 128
264	1651					EOL 128
264	1652	I129f1	I129f1	090_1652.264		SOL 129
264	1658					EOL 129
264	1658	I130f1	I130f1	089_1658.264		SOL 130
264	1706					EOL 130
264	1706	I131f1	I131f1	088_1706.264		SOL 131
264	1711					EOL 131
264	1711	I132f1	I132f1	087_1711.264		SOL 132
264	1716					EOL 132
264	1717	I133f1	I133f1	088_1717.264		SOL 133
264	1719					EOL 133
264	1728				cast27	SVP cast 27, x=719420 y=4582839, 10.9 meters
264	1733	I134f1	I134f1	130_1733.264		SOL 134
264	1738					EOL 134
264	1738	I135f1	I135f1	129_1739.264		SOL 135
264	1745					EOL 135
264	1745		I136f1	128_1745.264		SOL 136, swath not recorded
264	1749					EOL 136
264	1753	I137f1	I137f1	129_1753.264		SOL 137
264	1756					EOL 137
264	1757	I138f1	I138f1	122_1757.264		SOL 138
264	1803					EOL 138
264	1803	I139f1	I139f1	123_1803.264		SOL 139
264	1810					EOL 139
264	1810	I140f1	I140f1	124_1810.264		SOL 140
264	1814					EOL 140
264	1815	I141f1	I141f1	098_1815.264		SOL 141
264	1816					424 fish was trapped against hull, fixed
264	1819					EOL 141
264	1819	I142f1	I142f1	098_1819.264		SOL 142
264	1820					EOL 142
264	1820	I143f1	I143f1	120_1820.264		SOL 143
264	1824					EOL 143
264	1824	I144f1	I144f1	119_1824.264		SOL 144
264	1826					EOL 144
264	1826	I145f1	I145f1	118_1826.264		SOL 145
264	1828					EOL 145
264	1828	I146f1	I146f1	117_1828.264		SOL 146
264	1830					EOL 146
264	1830	I147f1	I147f1	116_1830.264		SOL 147

<i>JD</i>	<i>Time UTC</i>	<i>Subx (*.sxr)</i>	<i>424 (*.sgy)</i>	<i>Hypack (*.JD)</i>	<i>SVP</i>	<i>Comments</i>
264	1832					EOL 147
264	1833	I148f1	I148f1	115_1833.264		SOL 148
264	1834					EOL 148
264	1840				cast28	SVP cast 28, x=719416 y=4584051, 11.7 meters
264	1844	I149f1	I149f1	127_1844.264		SOL 149
264	1847					passing bedrock ledge
264	1850					EOL 150
264	1850	I150f1	I150f1	126_1850.264		SOL 150
264	1856					EOL 150
264	1857	I151f1	I151f1	125_1857.264		SOL 151
264	1902			136_1902.264		new hypack file
264	1907					EOL 151
264	1907	I152f1	I152f1	143_1906.264		SOL 152
264	1917					EOL 152
264	1917	I153f1	I153f1	142_1917.264		SOL 153
264	1932					EOL 153
264	1933	I154f1	I154f1	141_1933.264		SOL 154
264	1945					EOL 154
264	1945	I155f1	I155f1	140_1945.264		SOL 155
264	1959					EOL 155
264	2001	I156f1	I156f1	144_2001.264		SOL 156
264	2012					EOL 156
264	2013	I157f1	I157f1	149_2013.264		SOL 157
264	2019			145_2019.264		
264	2025					EOL 157
264	2028				cast29	SVP cast 29, x=718071 y=4585076, 7.7 meters
264	2032	I158f1	I158f1	135_2032.264		SOL 158
264	2039					EOL 158, end of day
Friday September 21, 2012 JD265						
265	1200					leaving dock, deploying pole for gap fill line
265	1215					calibrating f180
265	1227				cast 30	SVP cast 30, x =722780 y= 4572322 6.6 meters
265	1230	I159f1		201_123x.265		SOL 159, gap fill line for bathy, no 424
265	1237					EOL 159
265	1240	I160f1		201_1240.265		SOL 160, marina line
265	1245	I160f2				
265	1250					EOL 160
	1257					pulling gear, heading to boat ramp

SEABOSS LOG

JD	Sta#	time.UTC	depth_ft	DVD time	DVD#	Tape#	sample	still_no	Tgt_sta	comment
		CT River								
										<i>Dann, Seth, Barry, Dave, Eric</i>
										<i>Nav: GPS Hemisphere DGPS running nav logged to Seth's dell computer via hyperterminal (v.5.1); same as HYPACK DEV 0</i>
										<i>Equipment: micro SEABOSS - akaSEABOSSpro/goproSEABOSS</i>
										<i>Video (1 down looking DVD; 1 down Dig8 tape; NO fwd camera)</i>
										depth from Furuno fathometer <i>(in this notes field/comment)</i>
		16:30:00								leaving the boat ramp
START JULIAN DAY 265									21-Sep-12	
265	001	17:15:57							520	VOB
265										cant see anything
265										
265	001	17:21:00								VOFFB
265										
265	002			DVD01	DV01					Switching over to Grab sampler only.
265	002	17:23:55					Y		520	Grab - sandy
265										
265	003									
265	003	17:30:39					Y		519	Grab - sandy
265										
265	004									
265	004	17:38:45					Y		516	Grab - sandy
265										
265	005									
265	005	17:34:17					Y		518	Grab - sandy
265										
265	006									
265	006	17:48:16							517	No grab - didn't trip
265	006	17:52:45					Y			Grab - finer sand with a thicker; dense muddy component below.
265										
265	007									
265	007	17:57:12					Y		515	Grab - sandy
265										
265	008									
265	008	18:04:38					Y		514	Grab - sandy w/ sand blob
265										
265	009									
265	009	18:08:58					Y		513	Grab
265										
265	010									
265	010	18:18:44					Y		511	Grab - finer sand
265										
265	011									
265	011	18:23:54					Y		512	Grab
265										
265	012									
265	012	18:31:30					Y		510	Grab - sandy

265										
265	013									
265	013	18:39:48				Y		509	Grab - finer sandy	
265										
265	014									
265	014	18:45:30				Y		507	Grab - sandy mud; ; in low backscatter	
265										
265	015									
265	015	18:52:21				Y		508	Grab - sandy (with flakes)	
265										
265	016									
265	016	18:58:37				Y		506	Grab - muddy!!	
265										
265	017									
265	017	19:05:43				Y		505	Grab - sandy	
265										
265	018									
265	018	19:11:22				Y		504	Grab - sand	
265										
265	019									
265	019	19:17:29				Y		503	Grab - fine sand (with flakes)	
265										
265	020									
265	020	19:23:28				Y		501	Grab - near break water & lighthouse; sand with shells	
265										
265	021									
265	021	19:28:35				Y		502	Grab - muddy sand with lots of leaves and shells	
265										
265									Going to try the SEABOSSpro again @ the mouth here	
	022	19:42:00							VOB - it works!! - kind of. Keeps getting pulled off the bottom.	
265	022	19:43:45						502	VOFFB	
265										
265	023	19:55:00							VOB - no hypertermilan; use hypack nav - DVD says 022 still	
265	023	19:56:00							hyperterm on	
265	023	19:59:42						507	VOFFB - last couple mins were great footage.	
265										
265	024	20:05:10							VOB	
265	024	20:09:40						509	VOFFB	
265										
265	025	20:18:51						275m NW of	VOB	
265	025	20:20:59						510	VOFFB	
265										
265	026	20:26:18							VOB	
265	026	20:27:47						511	VOFFB	
265										
265	027	20:33:17							VOB	
265	027	20:35:00						513	VOFFB	
265										
265	028	20:38:20							VOB - AHH no DVD	
265	028	20:40:06						514	VOFFB	
265										
265	029	20:44:58							VOB	
265	029	20:47:00	check time on video					517	VOFFB	

265										
265	030	20:50:36								VOB
265	030	20:52:45							516	VOFFB
										Done for the day; heading back to port
265										
START JULIAN DAY 266								22-Sep-12		
266		12:00:00								leaving dock at Saybrook Pt
										trying to tether the SEABOSSpro to the VanVeen
266	031	12:36:33								VOB - oh it's working nicely at this site - sand with small ripples
	031	12:37:54								grab didn't trip; going back down for a grab and a snap (no vid)
266	031	12:53:12				Y			542	VOFFB - grab
266										
266	032	13:00:50								VOB
266	032									big sand waves
	032	13:02:29								grab didn't trip; going back down for a grab and a snap (no vid)
266	032	13:05:20				Y			543	VOFFB - grab - medium sand with pebbles
266										
266	033	13:13:00								VOB
266	033									moving over to the deep spot - sand ripples
266	033	13:15:17				Y			544	VOFFB - grab - in the deeper spot (hopefully) - looks like muddy sand
266										
266	034	12:23:20								VOB - oops vid says 033 still
266	034	13:23:34								grab didn't trip; going back down for a grab and a snap and vid
266	034	13:25:11				Y			546	VOFFB - grab - sand
266										
266	035	13:36:04								VOB
266	035									
266	035	13:36:30				Y			545	VOFFB - grab - sand
266										
266	036	13:44:42								VOB
266	036	13:45:00								grab didn't trip; going back down for a grab and a snap (no vid) x2
266	036	13:51:28				Y			547	VOFFB - grab - sand
266										
266	037	13:58:50								VOB
266	037									sand; leaves; ripples
266	037	13:59:16				Y				VOFFB - grab - sand
266										
266	038	14:05:08								VOB
266	038									
266	038	14:05:24				Y				VOFFB - grab - sand
266										
266	039	14:11:04								VOB
266	039									
266	039	14:11:14				Y				VOFFB - grab - sand
266										
266	040	14:18:08								VOB
266	040									sand; leaves
266	040	14:18:17				Y				VOFFB - grab - sand
266										
266	041	14:24:18								VOB
266	041									
266	041	14:24:26				Y			551	VOFFB - grab - sand

266										
266	042	14:29:02								VOB - lots of fish (Dann says herring??)
266	042	14:29:20				Y				grab - in the deep hole
266	042	14:29:40							552	VOFFB -- They were catfish; Dann snagged 2 little ones in the grab
266										
266	043	14:45:00								VOB
266	043									ROCKS!!!!
266	043	14:45:28				N			554	VOFFB - NO grab
266										
266	044	14:50:54								VOB
266	044	14:51:04				Y			559	VOFFB - grab - sand
266										
266	045	14:56:44								VOB
266	045									lots of stuff floating near the bottom
266	045	14:56:59				Y			555	VOFFB - grab - sand
266										
266	046	15:03:06								VOB
266	046									coarser sand; shells
266	046	15:03:26				Y			556	VOFFB - grab - coarse sand; pebbles; wood
266										
266	047	15:08:36								VOB
266	047									ROCKS!!!! - Dann is getting very nervous.
266	047	15:09:04							557	VOFFB - NO grab
266										
266	048	15:12:23								VOB
266	048									
266	048	15:12:40				Y			558	VOFFB - grab - sand
266										
266	049	15:41:03								VOB
266	049									
266	049	15:41:16				Y			540	VOFFB - grab - sand
266										
266	050	15:48:06								VOB
266	050									
266	050	15:48:20				Y			541	VOFFB - grab - sand
266										
266	051	15:52:39								VOB
266	051									
266	051	15:52:50				Y			539	VOFFB - grab - sand
266										
266	052	15:58:58								VOB
266	052									
266	052	15:59:00				Y			536	VOFFB - grab - muddy!!
266										
266	053	16:07:30								VOB
266	053									
266	053	16:07:38				Y			537	VOFFB - grab - muddy!!
266										
266	054	16:18:44								VOB
266	054									
266	054	16:18:58				Y			538	VOFFB - grab - sand
266										
266	055	16:24:20								VOB

266	055	16:24:24							Grab didn't trip; can't see anything; going back down for a grab and pic(?)
266	055	16:25:13				Y		535	VOFFB - grab sandy mud
266									
266	056	16:30:50							VOB
266	056								sand waves; we're drifting over the bottom for a bit here
266	056	16:31:08				Y		534	VOFFB - grab - sand
266									
266	057	16:38:40							VOB
266	057								can't see anything
266	057	16:39:00				Y			VOFFB - grab - sand
266									
266	058	16:46:00							VOB
266	058								ROCKS!!!! -
266	058	16:46:29				N		531	VOFFB - NO grab
266									
266	059	16:50:48						\	VOB
266	059								
266	059	16:51:00				Y		532	VOFFB - grab - mud
266									
266	060	17:02:08							VOB
266	060								can't see anything
266	060	17:02:20				Y		529	VOFFB - mud pudding - yuck!
266									
266	061	17:08:40							VOB
266	061	17:08:50							grab didn't trip; going for another grab and pic (no vid)
266	061	17:14:00				Y		530	VOFFB - grab - sand (and maybe shot of bottom)
266									
266	062	17:22:30							VOB
266	062								
266	062	17:22:32				Y		528	VOFFB - grab - muddy
266									
266	063	17:29:27							VOB
266	063								brief glimps at bottom; but otherwise no visibility
266	063	17:29:41				Y		526	VOFFB - grab - sandy mud
266									
266	064	17:35:59							VOB
266	064								we can see the bottom again yeah!
266	064	17:36:14				Y		525	VOFFB - grab - coarse sand; pebbles;
266									
266	065	17:42:00							VOB
266	065	17:42:10							not sure if we got a good pic; grab didn't trip; trying again for a grab/pic/vid
266	065	17:44:15	check time			Y		521	VOFFB - grab - sand
266									
266	066	17:56:14							VOB
266	066								sand ripples
266	066	17:56:26				Y		524	VOFFB - grab - sand
266									
266	067	18:02:31							VOB
266	067								decent visabilty on landing, then nothing.
266	067	18:02:56				Y		523	VOFFB - grab - sand
266									

266	068	18:10:40							VOB
266	068								ROCK!!!!
266	068	18:10:41				N			VOFFB - NO grab
266									
266	069	18:15:27							VOB
266	069								fresh water rush
266	069	18:15:30				Y			VOFFB
266									
266	070	18:25:55							VOB
266	070								can't see anything and NO grab
266	070	18:25:58						520_2	VOFFB - NO grab
266									
266	071	18:38:50							VOB
266	071								too much current, we can't even land the grab
266	071	18:39:00				Y		519_2	VOFFB - grab - sand
266									
266	072	19:00:40							VOB
266	072								too much current, we can't even land the grab
266	072	19:00:42				Y		512_2	VOFFB - grab - sand
266									
266	073	19:19:14							VOB
266	073								still can't see anything
266	073	19:19:16						508_2	VOFFB
266									
START JULIAN DAY 267								23-Sep-12	
267	074	13:15:26							VOB
267	074								murky; grab didn't trip going back down
267	074	13:16:02				Y		602	VOFFB - grab - maybe a pic(?)
267									
267	075	13:27:40							VOB
267	075								coming up moving up wind
267	075	13:29:14				Y		601	VOFFB - grab - maybe a pic(?)
267									
267	076	13:37:46							VOB - vid still says 075; oops
267	076								
267	076	13:37:48				Y		603	VOFFB - grab - fine sand
267									
267	077	13:43:50							VOB
267	077								good pics
267	077	13:43:58				Y		604	VOFFB - grab - coarse sand
267									
267	078	13:53:50							VOB - vid still says 077; oops
267	078								
267	078	13:53:58				Y		605	VOFFB - grab - sandy mud
267									
267	079	14:01:26							VOB - video says 080; oops
267	079								oops video has been on since last site.
267	079	14:01:30				Y		608	VOFFB - grab - sand
267									
267	080	14:07:13				Y			VOB - grab
267	080								

267	080	14:07:16							607	VOFFB - sand
267										
267	081	14:12:54					Y			VOB - grab
267	081									
267	081	14:12:58							606	VOFFB - sand
267										
267	082	14:23:26					Y			VOB - grab
267	082									
267	082	14:23:38							609	VOFFB
267										
267	083	14:28:46					Y			VOB - grab
267	083									
267	083	14:28:42							611	VOFFB
267										
267	084	14:32:58					Y			VOB - grab
267	084									
267	084	14:33:06							610	VOFFB
267										
267	085	14:51:24					Y			VOB - grab
267	085									
267	085	14:51:32							612	VOFFB
267										
267	086	14:58:13					Y			VOB - grab
267	086									couldn't see anything in the video
267	086	14:58:22							613	VOFFB
267										
267	087	15:02:40					Y			VOB - grab
267	087									good shots of the bottom
267	087	15:02:48							614	VOFFB
267										
267	088	15:09:36					Y			VOB - grab
267	088									good vid/photos
267	088	15:09:48							615	VOFFB
267										
		15:20:44								End of survey; heading to the Saybrook boat ramp; then home
267										
267										VOB
267										
267										VOFFB
267										
267										VOB
267										
267										VOFFB
267										
267										VOB
267										
267										VOFFB

267									
267									VOB
267									
267									VOFFB
267									
267									VOB
267									
267									VOFFB
267									
267									VOB
267									
267									VOFFB
267									
267									VOB
267									
267									VOFFB