

LEADLINE SUMMARY CAPE ANN SURVEY [MARCH 2004]					
		PORT	PORT	STBD	STBD
		SIGNED	STD	SIGNED	STD
DAY	DATE	MEAN	DEV	MEAN	DEV
MEAN OF SETS =		0.011		-0.016	
48	2/17/2004	-0.041	0.016	-0.034	0.020
54	2/23/2004	0.038	0.013	-0.060	0.012
57	2/26/2004	0.008	0.027	-0.016	0.037
73	3/13/2004	0.041	0.019	0.045	0.032

LEADLINE COMPARISON

DAY
 DATE

DRAFT ENTERED IN COMPUTER =
 DRAFT ON HULL =
 SQUAT CORRECTOR LEFT IN =
 DRAFT CORRECTOR =
 DECK TO WATER SURFACE =

files
 port
 stbd

<= TIDE CORRECTOR LEFT IN

cast #	time taken port UTC	port deck to bottom meters	port cast depth meters	multibeam depth port	corrected multibeam depth port	time taken starboard UTC	stbd deck to bottom meters	stbd cast depth meters	multibeam starboard	corrected multibeam depth stbd	port difference meters	starboard difference meters	
1	17:53:00	5.1	3.43	3.50	3.50	17:55:45	4.89	3.22	3.27	3.27	-0.070	-0.050	
2	17:53:05	5.1	3.43	3.48	3.48	17:55:50	4.89	3.22	3.28	3.28	-0.050	-0.060	
3	17:53:10	5.11	3.44	3.47	3.47	17:55:55	4.88	3.21	3.25	3.25	-0.030	-0.040	
4	17:53:15	5.1	3.43	3.49	3.49	17:56:00	4.89	3.22	3.24	3.24	-0.060	-0.020	
5	17:53:20	5.11	3.44	3.48	3.48	17:56:05	4.89	3.22	3.24	3.24	-0.040	-0.020	
6	17:53:25	5.11	3.44	3.48	3.48	17:56:10	4.88	3.21	3.23	3.23	-0.040	-0.020	
7	17:53:30	5.11	3.44	3.46	3.46	17:56:15	4.89	3.22	3.23	3.23	-0.020	-0.010	
8	17:53:35	5.1	3.43	3.47	3.47	17:56:20	4.88	3.21	3.22	3.22	-0.040	-0.010	
9	17:53:40	5.1	3.43	3.45	3.45	17:56:25	4.84	3.17	3.22	3.22	-0.020	-0.050	
10	17:53:45	5.1	3.43	3.47	3.47	17:56:30	4.85	3.18	3.24	3.24	-0.040	-0.060	
											Mean	-0.041	-0.034
											StdDev	0.016	0.020

LEADLINE COMPARISON

DAY
 DATE

DRAFT ENTERED IN COMPUTER =
 DRAFT ON HULL =
 SQUAT CORRECTOR LEFT IN =
 DRAFT CORRECTOR =
 DECK TO WATER SURFACE =

files
 port
 stbd

<= TIDE CORRECTOR LEFT IN

cast #	time taken port UTC	port deck to	port cast	corrected		time taken	stbd deck to	stbd cast	multibeam	corrected	port	starboard	
		bottom meters	depth meters	multibeam depth port	multibeam depth port	starboard UTC	bottom meters	depth meters	depth	multibeam depth stbd	difference meters	difference meters	
1	13:19:10	5.11	3.45	3.43	3.43	13:22:40	5.2	3.54	3.60	3.60	0.020	-0.060	
2	13:19:15	5.11	3.45	3.43	3.43	13:22:45	5.2	3.54	3.62	3.62	0.020	-0.080	
3	13:19:20	5.12	3.46	3.43	3.43	13:22:50	5.2	3.54	3.60	3.60	0.030	-0.060	
4	13:19:25	5.12	3.46	3.43	3.43	13:22:55	5.2	3.54	3.58	3.58	0.030	-0.040	
5	13:19:30	5.12	3.46	3.42	3.42	13:23:00	5.2	3.54	3.61	3.61	0.040	-0.070	
6	13:19:35	5.12	3.46	3.41	3.41	13:23:05	5.2	3.54	3.59	3.59	0.050	-0.050	
7	13:19:40	5.12	3.46	3.42	3.42	13:23:10	5.21	3.55	3.62	3.62	0.040	-0.070	
8	13:19:45	5.12	3.46	3.42	3.42	13:23:15	5.21	3.55	3.60	3.60	0.040	-0.050	
9	13:19:50	5.13	3.47	3.42	3.42	13:23:20	5.21	3.55	3.61	3.61	0.050	-0.060	
10	13:19:55	5.13	3.47	3.41	3.41	13:23:25	5.21	3.55	3.61	3.61	0.060	-0.060	
											Mean	0.038	-0.060
											StdDev	0.013	0.012

LEADLINE COMPARISON

DAY
 DATE

DRAFT ENTERED IN COMPUTER =
 DRAFT ON HULL =
 SQUAT CORRECTOR LEFT IN =
 DRAFT CORRECTOR =
 DECK TO WATER SURFACE =

files
 port
 stbd

<= TIDE CORRECTOR LEFT IN

cast #	time taken port UTC	port deck to	port cast	corrected		time taken	stbd deck to	stbd cast	multibeam	corrected	port	starboard	
		bottom meters	depth meters	multibeam depth port	multibeam depth port	starboard UTC	bottom meters	depth meters	depth starboard	multibeam depth stbd	difference meters	difference meters	
1	19:25:30	9.19	7.55	7.54	7.54	19:28:30	6.7	5.06	5.14	5.14	0.010	-0.080	
2	19:25:35	9.17	7.53	7.56	7.56	19:28:35	6.69	5.05	5.09	5.09	-0.030	-0.040	
3	19:25:40	9.2	7.56	7.55	7.55	19:28:40	6.72	5.08	5.09	5.09	0.010	-0.010	
4	19:25:45	9.17	7.53	7.53	7.53	19:28:45	6.7	5.06	5.09	5.09	0.000	-0.030	
5	19:25:50	9.19	7.55	7.50	7.50	19:28:50	6.75	5.11	5.10	5.10	0.050	0.010	
6	19:25:55	9.18	7.54	7.52	7.52	19:28:55	6.72	5.08	5.11	5.11	0.020	-0.030	
7	19:26:00	9.18	7.54	7.53	7.53	19:29:00	6.74	5.10	5.06	5.06	0.010	0.040	
8	19:26:05	9.18	7.54	7.52	7.52	19:29:05	6.72	5.08	5.13	5.13	0.020	-0.050	
9	19:26:10	9.15	7.51	7.55	7.55	19:29:10	6.75	5.11	5.10	5.10	-0.040	0.010	
10	19:26:35	9.2	7.56	7.53	7.53	19:29:15	6.77	5.13	5.11	5.11	0.030	0.020	
											Mean	0.008	-0.016
											StdDev	0.027	0.037

LEADLINE COMPARISON

DAY
 DATE

DRAFT ENTERED IN COMPUTER =
 DRAFT ON HULL = 1.425
 SQUAT CORRECTOR LEFT IN =
 DRAFT CORRECTOR =
 DECK TO WATER SURFACE =

files
 port
 stbd

<= TIDE CORRECTOR LEFT IN

cast #	time taken port UTC	port deck to bottom meters	port cast depth meters	multibeam depth port	corrected multibeam depth port	time taken starboard UTC	stbd deck to bottom meters	stbd cast depth meters	multibeam depth starboard	corrected multibeam depth stbd	port difference meters	starboard difference meters
1	23:22:00	6.95	5.31	5.30	5.30	23:26:20	6.9	5.26	5.22	5.22	0.005	0.035
2	23:22:05	6.95	5.31	5.26	5.26	23:26:25	6.91	5.27	5.22	5.22	0.045	0.045
3	23:22:10	6.96	5.32	5.26	5.26	23:26:30	6.9	5.26	5.20	5.20	0.055	0.055
4	23:22:15	6.96	5.32	5.30	5.30	23:26:35	6.9	5.26	5.24	5.24	0.015	0.015
5	23:22:20	6.95	5.31	5.25	5.25	23:26:40	6.91	5.27	5.20	5.20	0.055	0.065
6	23:22:25	6.95	5.31	5.26	5.26	23:26:45	6.91	5.27	5.25	5.25	0.045	0.015
7	23:22:30	6.96	5.32	5.26	5.26	23:26:50	6.9	5.26	5.24	5.24	0.055	0.015
8	23:22:35	6.95	5.31	5.27	5.27	23:26:55	6.91	5.27	5.24	5.24	0.035	0.025
9	23:22:40	6.95	5.31	5.27	5.27	23:27:00	6.91	5.27	5.20	5.20	0.035	0.065
10	23:22:45	6.95	5.31	5.24	5.24	23:27:05	6.91	5.27	5.15	5.15	0.065	0.115
										Mean	0.041	0.045
										StdDev	0.019	0.032