APPENDIX F

GEOPHYSICAL DATA

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Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0002	**Approximate Acreage:**	0.0570

Grids: s0002

Processing Date: 3/3/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0002.map, Grid_S0002.pdf, Grid_S0002.tif, S0002.gdb, S0002.ply, S0002_Ch2_level_lg.grd, S0002_Processed.XYZ, S0002_Repeat.gdb, S0002_Repeat_L0.map, S0002_Repeat_L0.pdf, S0002_Repeat_L2.5.map, S0002_Repeat_L2.5.pdf, S0002_Repeat_Processed.XYZ, S0002_Targets.xls

Processing Comments:

No Selected Targets in this dataset. Low level of background response.

Daily Tests

IVS

Date:	3/2/2011 4:33:02 PM	**Team ID**	Geo1	**Location:**	IVS4	**QC Status:**	Pass
Test Strip ID:	0302ivs1	**Map ID:**	0302ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	46.5	33.4	19.16	9.76	46.50	33.40	19.16	9.76	8.3265	0.07	Pass
Item 2	100.91	74.62	45.58	24.89	100.91	74.62	45.58	24.89	5.9513	0.03	Pass
Item 3	47.52	33.92	19.11	9.42	47.52	33.93	19.11	9.42	1.6649	0.11	Pass
Item 4	97.32	72.29	43.71	23.86	97.32	72.29	43.71	23.86	2.8804	0.04	Pass
Item 5	54.92	36.81	22.42	11.06	54.92	39.81	22.42	11.06	8.1551	0.06	Pass

Field Comments:

IVS4 south beach

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/2/2011 8:09:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-1.26	-0.49	-0.22	-0.08
Pre-Background Std Dev:	0.14	0.08	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.19	21.48	9.95	3.82
Spike Std Dev:	0.15	0.08	0.06	0.05
Observed Post-Background (mV):	-3	0	0	0
Post-Background Mean (mV):	-3.06	-0.65	-0.3	-0.19
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.45**	**21.97**	**10.17**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID:	Static_0302qc1_Ch1_Ch2.map
	Static_0302qc1_Ch3_Ch4.map

Cable Shake Test Performed:	☑	**Personnel Test Performed:**	☑
Cable Shake Test Acceptable:	☑	**Personnel Test Acceptable:**	☑

Cable Shake and Personnel Map ID:	CableShakePersonnel_0302qc1_Ch1_Ch2.map, CableShakePersonnel_0302qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/2/2011 2:54:50 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.04	-0.45	-0.08	-0.05
Pre-Background Std Dev:	0.15	0.08	0.06	0.05
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	35.69	20.92	9.87	3.72
Spike Std Dev:	0.14	0.08	0.06	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-5.63	-1.28	-0.15	-0.07
Post-Background Std Dev:	0.15	0.08	0.06	0.06
Calculated Spike (mV):	**37.73**	**21.37**	**9.95**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc2_Ch1_Ch2.map

Static_0302qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

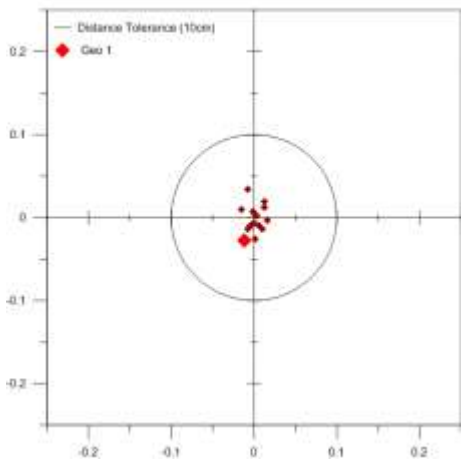
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/2/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.338
Measured Y:	4578718.008

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	s0002	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0002	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0004	**Approximate Acreage:**	0.0564

Grids: s0004

Processing Date: 3/3/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0004.map, Grid_S0004.pdf, Grid_S0004.tif, S0004.gdb, S0004.ply, S0004_Ch2_level_lg.grd, S0004_Processed.XYZ, S0004_Repeat.gdb, S0004_Repeat_L0.map, S0004_Repeat_L0.pdf, S0004_Repeat_L2.5.map, S0004_Repeat_L2.5.pdf, S0004_Repeat_Processed.XYZ, S0004_Targets.dbf, S0004_Targets.gdb, S0004_Targets.prj, S0004_Targets.sbn, S0004_Targets.sbx, S0004_Targets.shp, S0004_Targets.shx, S0004_Targets.xls

Processing Comments:

Low level of targets density. Linear culture feature (dune) present towards the northern boundary of the dataset.

Daily Tests

IVS

Date:	3/2/2011 4:33:02 PM	**Team ID**	Geo1	**Location:**	IVS4	**QC Status:**	Pass
Test Strip ID:	0302ivs1	**Map ID:**	0302ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	46.5	33.4	19.16	9.76	46.50	33.40	19.16	9.76	8.3265	0.07	Pass
Item 2	100.91	74.62	45.58	24.89	100.91	74.62	45.58	24.89	5.9513	0.03	Pass
Item 3	47.52	33.92	19.11	9.42	47.52	33.93	19.11	9.42	1.6649	0.11	Pass
Item 4	97.32	72.29	43.71	23.86	97.32	72.29	43.71	23.86	2.8804	0.04	Pass
Item 5	54.92	36.81	22.42	11.06	54.92	39.81	22.42	11.06	8.1551	0.06	Pass

Field Comments:

IVS4 south beach

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/2/2011 8:09:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-1.26	-0.49	-0.22	-0.08
Pre-Background Std Dev:	0.14	0.08	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.19	21.48	9.95	3.82
Spike Std Dev:	0.15	0.08	0.06	0.05
Observed Post-Background (mV):	-3	0	0	0
Post-Background Mean (mV):	-3.06	-0.65	-0.3	-0.19
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.45**	**21.97**	**10.17**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc1_Ch1_Ch2.map

Static_0302qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0302qc1_Ch1_Ch2.map, CableShakePersonnel_0302qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/2/2011 2:54:50 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.04	-0.45	-0.08	-0.05
Pre-Background Std Dev:	0.15	0.08	0.06	0.05
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	35.69	20.92	9.87	3.72
Spike Std Dev:	0.14	0.08	0.06	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-5.63	-1.28	-0.15	-0.07
Post-Background Std Dev:	0.15	0.08	0.06	0.06
Calculated Spike (mV):	**37.73**	**21.37**	**9.95**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc2_Ch1_Ch2.map

Static_0302qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

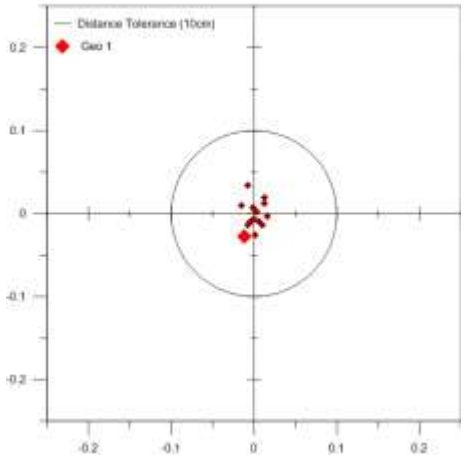
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/2/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.338
Measured Y:	4578718.008

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

Repeat lines have some drift from the original line.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02
Mean Separation:	0.1				

Comments:

Coverage

Dataset ID:	s0004	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0004	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0005	**Approximate Acreage:**	0.0683

Grids: s0005

Processing Date: 3/3/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=4

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0005.map, Grid_S0005.pdf, Grid_S0005.tif, S0005.gdb, S0005.ply, S0005_Ch2_level_lg.grd, S0005_Processed.XYZ, S0005_Repeat.gdb, S0005_Repeat_L0.map, S0005_Repeat_L0.pdf, S0005_Repeat_L2.5.map, S0005_Repeat_L2.5.pdf, S0005_Repeat_Processed.XYZ, S0005_Targets.dbf, S0005_Targets.gdb, S0005_Targets.prj, S0005_Targets.sbn, S0005_Targets.sbx, S0005_Targets.shp, S0005_Targets.shx, S0005_Targets.xls

Processing Comments:

Lower level of target density in the area.

Daily Tests

IVS

Date:	3/2/2011 4:33:02 PM	**Team ID**	Geo1	**Location:**	IVS4	**QC Status:**	Pass
Test Strip ID:	0302ivs1	**Map ID:**	0302ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	46.5	33.4	19.16	9.76	46.50	33.40	19.16	9.76	8.3265	0.07	Pass
Item 2	100.91	74.62	45.58	24.89	100.91	74.62	45.58	24.89	5.9513	0.03	Pass
Item 3	47.52	33.92	19.11	9.42	47.52	33.93	19.11	9.42	1.6649	0.11	Pass
Item 4	97.32	72.29	43.71	23.86	97.32	72.29	43.71	23.86	2.8804	0.04	Pass
Item 5	54.92	36.81	22.42	11.06	54.92	39.81	22.42	11.06	8.1551	0.06	Pass

Field Comments:

IVS4 south beach

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/2/2011 8:09:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-1.26	-0.49	-0.22	-0.08
Pre-Background Std Dev:	0.14	0.08	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.19	21.48	9.95	3.82
Spike Std Dev:	0.15	0.08	0.06	0.05
Observed Post-Background (mV):	-3	0	0	0
Post-Background Mean (mV):	-3.06	-0.65	-0.3	-0.19
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.45**	**21.97**	**10.17**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc1_Ch1_Ch2.map

Static_0302qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0302qc1_Ch1_Ch2.map, CableShakePersonnel_0302qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/2/2011 2:54:50 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.04	-0.45	-0.08	-0.05
Pre-Background Std Dev:	0.15	0.08	0.06	0.05
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	35.69	20.92	9.87	3.72
Spike Std Dev:	0.14	0.08	0.06	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-5.63	-1.28	-0.15	-0.07
Post-Background Std Dev:	0.15	0.08	0.06	0.06
Calculated Spike (mV):	**37.73**	**21.37**	**9.95**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc2_Ch1_Ch2.map

Static_0302qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

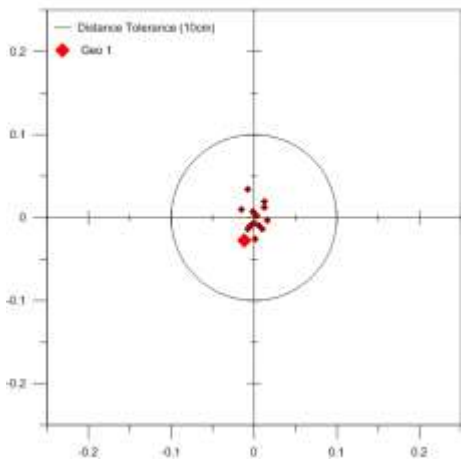
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/2/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.338
Measured Y:	4578718.008

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	s0005	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0005	GPS_Quality_Ind.map	**Percent RTK Fix:**	97.33	%

Comments:

Lower GPS quality towards the eastern boundary of line 2.5.

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0009	**Approximate Acreage:**	0.0564

Grids: s0009

Processing Date: 3/8/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/75-400

☑ **Latency Correction**

Latency Method: Lag=3.5

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☑ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

, Grid_S0009.map, Grid_S0009.pdf, Grid_S0009.tif, S0009.gdb, S0009.ply, S0009_Ch2_level_lg.grd, S0009_Processed.XYZ, S0009_Repeat.gdb, S0009_Repeat_L17.5.map, S0009_Repeat_L17.5.pdf, S0009_Repeat_L20.map, S0009_Repeat_L20.pdf, S0009_Repeat_Processed.XYZ, S0009_Targets.dbf, S0009_Targets.gdb, S0009_Targets.prj, S0009_Targets.sbn, S0009_Targets.sbx, S0009_Targets.shp, S0009_Targets.shx, S0009_Targets.xls, S0009_Targets_Polygon.dbf, S0009_Targets_Polygon.ply, S0009_Targets_Polygon.prj, S0009_Targets_Polygon.sbn, S0009_Targets_Polygon.sbx, S0009_Targets_Polygon.shp, S0009_Targets_Polygon.shx, S0009_Targets_Polygon.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/4/2011 11:07:19 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0304ivs1	**Map ID:**	0304ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.97	37.04	21.28	10.80	10.889	0.05	Pass
Item 2	186.31	133.38	82.06	42.25	111.13	81.76	50.36	27.15	9.5665	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	49.99	35.96	19.68	9.61	6.0271	0.03	Pass
Item 4	186.31	133.38	82.06	42.25	111.36	83.31	50.89	27.55	15.25	0.07	Pass
Item 5	103.91	72.32	42.6	20.03	63.49	45.69	25.86	12.56	24.126	0.05	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/4/2011 7:17:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	1	0	0	0
Pre-Background Mean (mV):	0.77	0.24	0.07	0.02
Pre-Background Std Dev:	0.15	0.09	0.06	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	39.05	21.27	9.9	4
Spike Std Dev:	0.14	0.07	0.06	0.05
Observed Post-Background (mV):	1	0	0	0
Post-Background Mean (mV):	1.26	0.46	0.14	0.06
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.28**	**21.03**	**9.83**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc1_Ch1_Ch2.map

Static_0304qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0304qc1_Ch1_Ch2.map, CableShakePersonnel_0304qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/4/2011 11:26:01 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-5	-1	0	0
Pre-Background Mean (mV):	-3.49	-1.11	-0.3	-0.13
Pre-Background Std Dev:	0.32	0.14	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.69	22.29	10.49	3.89
Spike Std Dev:	0.18	0.09	0.06	0.05
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-6.72	-1.61	-0.34	-0.21
Post-Background Std Dev:	0.23	0.1	0.06	0.05
Calculated Spike (mV):	**41.18**	**23.4**	**10.79**	**4.02**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc2_Ch1_Ch2.map

Static_0304qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

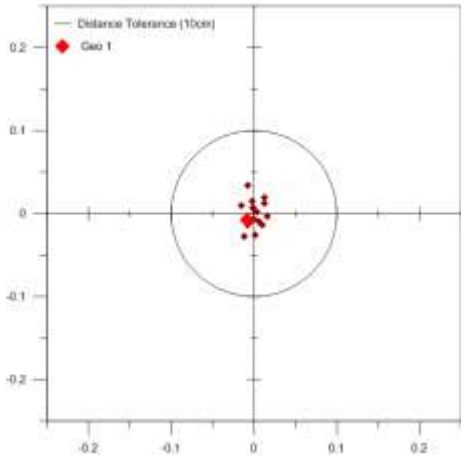
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/4/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.334
Measured Y:	4578717.988

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	17.5, 20	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

Crew veered slightly off course on both lines.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02
Mean Separation:	0.1				

Comments:

Coverage

Dataset ID:	s0009	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0009	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0011	**Approximate Acreage:**	0.0564

Grids: s0011

Processing Date: 3/3/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0011.map, Grid_S0011.pdf, Grid_S0011.tif, S0011.gdb, S0011.ply, S0011_Ch2_level_lg.grd, S0011_Processed.XYZ, S0011_Repeat.gdb, S0011_Repeat_L0.map, S0011_Repeat_L0.pdf, S0011_Repeat_L2.5.map, S0011_Repeat_L2.5.pdf, S0011_Repeat_Processed.XYZ, S0011_Targets.dbf, S0011_Targets.gdb, S0011_Targets.prj, S0011_Targets.sbn, S0011_Targets.sbx, S0011_Targets.shp, S0011_Targets.shx, S0011_Targets.xls

Processing Comments:

Lines L5 and L25.1 were edited for GPS issues, these edits did not affect coverage or targeting. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/2/2011 4:33:02 PM	**Team ID**	Geo1	**Location:**	IVS4	**QC Status:**	Pass
Test Strip ID:	0302ivs1	**Map ID:**	0302ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	46.5	33.4	19.16	9.76	46.50	33.40	19.16	9.76	8.3265	0.07	Pass
Item 2	100.91	74.62	45.58	24.89	100.91	74.62	45.58	24.89	5.9513	0.03	Pass
Item 3	47.52	33.92	19.11	9.42	47.52	33.93	19.11	9.42	1.6649	0.11	Pass
Item 4	97.32	72.29	43.71	23.86	97.32	72.29	43.71	23.86	2.8804	0.04	Pass
Item 5	54.92	36.81	22.42	11.06	54.92	39.81	22.42	11.06	8.1551	0.06	Pass

Field Comments:

IVS4 south beach

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/2/2011 8:09:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-1.26	-0.49	-0.22	-0.08
Pre-Background Std Dev:	0.14	0.08	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.19	21.48	9.95	3.82
Spike Std Dev:	0.15	0.08	0.06	0.05
Observed Post-Background (mV):	-3	0	0	0
Post-Background Mean (mV):	-3.06	-0.65	-0.3	-0.19
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.45**	**21.97**	**10.17**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID:	Static_0302qc1_Ch1_Ch2.map
	Static_0302qc1_Ch3_Ch4.map

Cable Shake Test Performed:	☑	**Personnel Test Performed:**	☑
Cable Shake Test Acceptable:	☑	**Personnel Test Acceptable:**	☑

Cable Shake and Personnel Map ID:	CableShakePersonnel_0302qc1_Ch1_Ch2.map, CableShakePersonnel_0302qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/2/2011 2:54:50 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.04	-0.45	-0.08	-0.05
Pre-Background Std Dev:	0.15	0.08	0.06	0.05
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	35.69	20.92	9.87	3.72
Spike Std Dev:	0.14	0.08	0.06	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-5.63	-1.28	-0.15	-0.07
Post-Background Std Dev:	0.15	0.08	0.06	0.06
Calculated Spike (mV):	**37.73**	**21.37**	**9.95**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc2_Ch1_Ch2.map

Static_0302qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

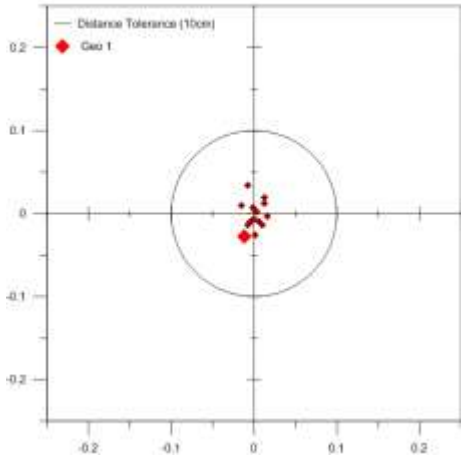
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/2/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.338
Measured Y:	4578718.008

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02
Mean Separation:	0.11				

Comments:

Coverage

Dataset ID:	s0011	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0011	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Processing and Data Quality Report

Dataset ID:	s0012	**Approximate Acreage:**	0.0564

Grids: s0012

Processing Date: 3/3/2011
Processor: Matt Parnell

☑ **Leveling Correction**
Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**
Latency Method: Lag=3

☐ **Additional Filtering**
Additional Filtering Description:

☑ **Gaps/Culture Noted**
☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**
Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**
Processed Files:
Grid_S0012.map, Grid_S0012.pdf, Grid_S0012.tif, S0012.gdb, S0012.ply, S0012_Ch2_level_lg.grd, S0012_Processed.XYZ, S0012_Repeat.gdb, S0012_Repeat_L0.map, S0012_Repeat_L0.pdf, S0012_Repeat_L2.5.map, S0012_Repeat_L2.5.pdf, S0012_Repeat_Processed.XYZ, S0012_Targets.dbf, S0012_Targets.gdb, S0012_Targets.prj, S0012_Targets.sbn, S0012_Targets.sbx, S0012_Targets.shp, S0012_Targets.shx, S0012_Targets.xls

Processing Comments:
L35.3 was split into 2 lines with L35.6 being the new line. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/2/2011 4:33:02 PM	**Team ID**	Geo1	**Location:**	IVS4	**QC Status:**	Pass
Test Strip ID:	0302ivs1	**Map ID:**	0302ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	46.5	33.4	19.16	9.76	46.50	33.40	19.16	9.76	8.3265	0.07	Pass
Item 2	100.91	74.62	45.58	24.89	100.91	74.62	45.58	24.89	5.9513	0.03	Pass
Item 3	47.52	33.92	19.11	9.42	47.52	33.93	19.11	9.42	1.6649	0.11	Pass
Item 4	97.32	72.29	43.71	23.86	97.32	72.29	43.71	23.86	2.8804	0.04	Pass
Item 5	54.92	36.81	22.42	11.06	54.92	39.81	22.42	11.06	8.1551	0.06	Pass

Field Comments:

IVS4 south beach

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/2/2011 8:09:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-1.26	-0.49	-0.22	-0.08
Pre-Background Std Dev:	0.14	0.08	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.19	21.48	9.95	3.82
Spike Std Dev:	0.15	0.08	0.06	0.05
Observed Post-Background (mV):	-3	0	0	0
Post-Background Mean (mV):	-3.06	-0.65	-0.3	-0.19
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.45**	**21.97**	**10.17**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID:	Static_0302qc1_Ch1_Ch2.map
	Static_0302qc1_Ch3_Ch4.map

Cable Shake Test Performed:	☑	**Personnel Test Performed:**	☑
Cable Shake Test Acceptable:	☑	**Personnel Test Acceptable:**	☑

Cable Shake and Personnel Map ID:	CableShakePersonnel_0302qc1_Ch1_Ch2.map, CableShakePersonnel_0302qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/2/2011 2:54:50 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0302qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.04	-0.45	-0.08	-0.05
Pre-Background Std Dev:	0.15	0.08	0.06	0.05
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	35.69	20.92	9.87	3.72
Spike Std Dev:	0.14	0.08	0.06	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-5.63	-1.28	-0.15	-0.07
Post-Background Std Dev:	0.15	0.08	0.06	0.06
Calculated Spike (mV):	**37.73**	**21.37**	**9.95**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0302qc2_Ch1_Ch2.map

Static_0302qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

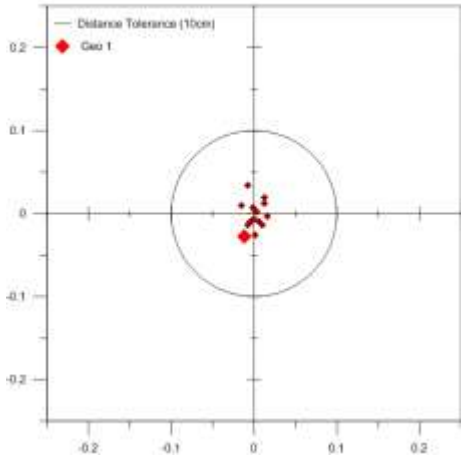
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/2/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.338
Measured Y:	4578718.008

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.16	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0012	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0012	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0013	**Approximate Acreage:**	0.0572

Grids: s0013

Processing Date: 3/4/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=4

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0013.map, Grid_S0013.pdf, Grid_S0013.tif, S0013.gdb, S0013.ply, S0013_Ch2_level_lg.grd, S0013_Processed.XYZ, S0013_Repeat.gdb, S0013_Repeat_L0.map, S0013_Repeat_L0.pdf, S0013_Repeat_L2.5.map, S0013_Repeat_L2.5.pdf, S0013_Repeat_Processed.XYZ, S0013_Targets.dbf, S0013_Targets.gdb, S0013_Targets.prj, S0013_Targets.sbn, S0013_Targets.sbx, S0013_Targets.shp, S0013_Targets.shx, S0013_Targets.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/3/2011 4:26:55 PM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0303ivs1	**Map ID:**	0303ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	46.37	33.62	19.02	9.67	0.6651	0.04	Pass
Item 2	186.31	133.38	82.06	42.25	103.58	76.89	46.98	25.42	3.0412	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	48.12	34.43	19.36	9.41	1.5143	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	108.28	80.36	47.90	26.09	11.166	0.10	Pass
Item 5	103.91	72.32	42.6	20.03	59.67	43.26	23.30	11.73	17.525	0.13	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/3/2011 8:00:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.78	-0.35	-0.12	-0.04
Pre-Background Std Dev:	0.12	0.07	0.05	0.05
Observed Spike (mV):	36	22	10	4
Spike Mean (mV):	36.54	22.61	10.43	3.87
Spike Std Dev:	0.14	0.07	0.05	0.05
Observed Post-Background (mV):	-5	0	0	0
Post-Background Mean (mV):	-7.02	-0.84	-0.36	-0.27
Post-Background Std Dev:	0.14	0.07	0.06	0.05
Calculated Spike (mV):	**39.32**	**22.96**	**10.55**	**3.91**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc1_Ch1_Ch2.map

Static_0303qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0303qc1_Ch1_Ch2.map, CableShakePersonnel_0303qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/3/2011 2:10:55 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.21	-0.5	-0.22	-0.06
Pre-Background Std Dev:	0.21	0.08	0.05	0.06
Observed Spike (mV):	37	22	10	4
Spike Mean (mV):	35.03	21.68	10.23	3.92
Spike Std Dev:	0.18	0.08	0.06	0.05
Observed Post-Background (mV):	-7	0	0	0
Post-Background Mean (mV):	-8.33	-1.31	-0.23	-0.1
Post-Background Std Dev:	0.36	0.11	0.08	0.06
Calculated Spike (mV):	**37.24**	**22.18**	**10.45**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc2_Ch1_Ch2.map

Static_0303qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

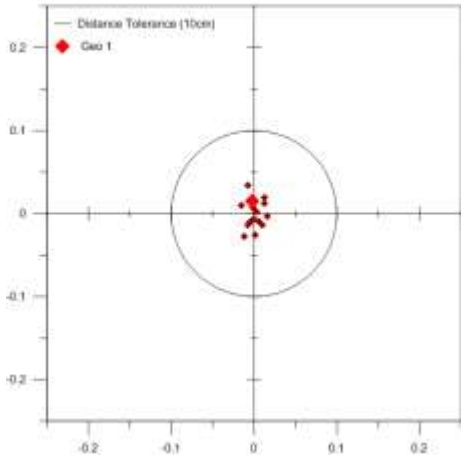
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/3/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.328
Measured Y:	4578717.965

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	99.98	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.37	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.08

Comments:

Coverage

Dataset ID:	s0013	**Percent Coverage:**	100.00 %	**QC Status:**	Fail

Explanation of Gaps:

GPS Quality

Dataset ID:	s0013	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0014	**Approximate Acreage:**	0.0572

Grids: s0014

Processing Date: 3/4/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0014.map, Grid_S0014.pdf, Grid_S0014.tif, S0014.gdb, S0014.ply, S0014_Ch2_level_lg.grd, S0014_Processed.XYZ, S0014_Repeat.gdb, S0014_Repeat_L0.map, S0014_Repeat_L0.pdf, S0014_Repeat_L2.5.map, S0014_Repeat_L2.5.pdf, S0014_Repeat_Processed.XYZ, S0014_Targets.dbf, S0014_Targets.gdb, S0014_Targets.prj, S0014_Targets.sbn, S0014_Targets.sbx, S0014_Targets.shp, S0014_Targets.shx, S0014_Targets.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/3/2011 4:26:55 PM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0303ivs1	**Map ID:**	0303ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	46.37	33.62	19.02	9.67	0.6651	0.04	Pass
Item 2	186.31	133.38	82.06	42.25	103.58	76.89	46.98	25.42	3.0412	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	48.12	34.43	19.36	9.41	1.5143	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	108.28	80.36	47.90	26.09	11.166	0.10	Pass
Item 5	103.91	72.32	42.6	20.03	59.67	43.26	23.30	11.73	17.525	0.13	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/3/2011 8:00:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.78	-0.35	-0.12	-0.04
Pre-Background Std Dev:	0.12	0.07	0.05	0.05
Observed Spike (mV):	36	22	10	4
Spike Mean (mV):	36.54	22.61	10.43	3.87
Spike Std Dev:	0.14	0.07	0.05	0.05
Observed Post-Background (mV):	-5	0	0	0
Post-Background Mean (mV):	-7.02	-0.84	-0.36	-0.27
Post-Background Std Dev:	0.14	0.07	0.06	0.05
Calculated Spike (mV):	**39.32**	**22.96**	**10.55**	**3.91**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc1_Ch1_Ch2.map

Static_0303qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0303qc1_Ch1_Ch2.map, CableShakePersonnel_0303qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/3/2011 2:10:55 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.21	-0.5	-0.22	-0.06
Pre-Background Std Dev:	0.21	0.08	0.05	0.06
Observed Spike (mV):	37	22	10	4
Spike Mean (mV):	35.03	21.68	10.23	3.92
Spike Std Dev:	0.18	0.08	0.06	0.05
Observed Post-Background (mV):	-7	0	0	0
Post-Background Mean (mV):	-8.33	-1.31	-0.23	-0.1
Post-Background Std Dev:	0.36	0.11	0.08	0.06
Calculated Spike (mV):	**37.24**	**22.18**	**10.45**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc2_Ch1_Ch2.map

Static_0303qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

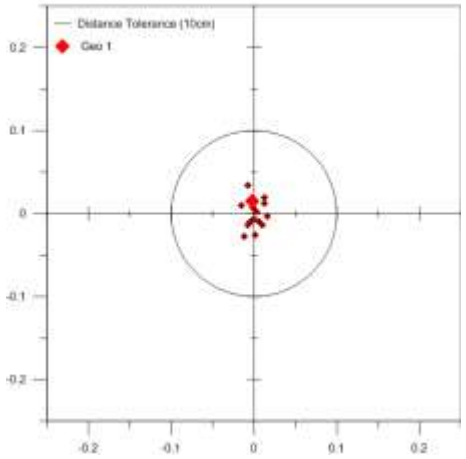
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/3/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.328
Measured Y:	4578717.965

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	s0014	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0014	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0015	**Approximate Acreage:**	0.0572

Grids: s0015

Processing Date: 3/4/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0015.map, Grid_S0015.pdf, Grid_S0015.tif, S0015.gdb, S0015.ply, S0015_Ch2_level_lg.grd, S0015_Processed.XYZ, S0015_Repeat.gdb, S0015_Repeat_L0.map, S0015_Repeat_L0.pdf, S0015_Repeat_L2.5.map, S0015_Repeat_L2.5.pdf, S0015_Repeat_Processed.XYZ, S0015_Targets.dbf, S0015_Targets.gdb, S0015_Targets.prj, S0015_Targets.sbn, S0015_Targets.sbx, S0015_Targets.shp, S0015_Targets.shx, S0015_Targets.xls

Processing Comments:

Low target density in this dataset. Road cuts in the southern side of the grid.

Daily Tests

IVS

Date:	3/3/2011 4:26:55 PM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0303ivs1	**Map ID:**	0303ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	46.37	33.62	19.02	9.67	0.6651	0.04	Pass
Item 2	186.31	133.38	82.06	42.25	103.58	76.89	46.98	25.42	3.0412	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	48.12	34.43	19.36	9.41	1.5143	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	108.28	80.36	47.90	26.09	11.166	0.10	Pass
Item 5	103.91	72.32	42.6	20.03	59.67	43.26	23.30	11.73	17.525	0.13	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/3/2011 8:00:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.78	-0.35	-0.12	-0.04
Pre-Background Std Dev:	0.12	0.07	0.05	0.05
Observed Spike (mV):	36	22	10	4
Spike Mean (mV):	36.54	22.61	10.43	3.87
Spike Std Dev:	0.14	0.07	0.05	0.05
Observed Post-Background (mV):	-5	0	0	0
Post-Background Mean (mV):	-7.02	-0.84	-0.36	-0.27
Post-Background Std Dev:	0.14	0.07	0.06	0.05
Calculated Spike (mV):	**39.32**	**22.96**	**10.55**	**3.91**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc1_Ch1_Ch2.map

Static_0303qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0303qc1_Ch1_Ch2.map, CableShakePersonnel_0303qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/3/2011 2:10:55 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.21	-0.5	-0.22	-0.06
Pre-Background Std Dev:	0.21	0.08	0.05	0.06
Observed Spike (mV):	37	22	10	4
Spike Mean (mV):	35.03	21.68	10.23	3.92
Spike Std Dev:	0.18	0.08	0.06	0.05
Observed Post-Background (mV):	-7	0	0	0
Post-Background Mean (mV):	-8.33	-1.31	-0.23	-0.1
Post-Background Std Dev:	0.36	0.11	0.08	0.06
Calculated Spike (mV):	**37.24**	**22.18**	**10.45**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc2_Ch1_Ch2.map

Static_0303qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

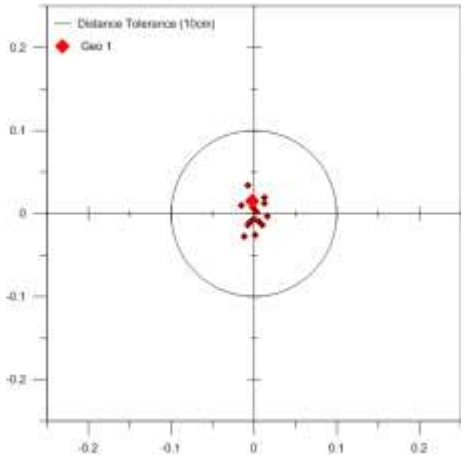
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/3/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.328
Measured Y:	4578717.965

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Fail

Comments:

Elevated background response in the repeat line 0. Line 2.5 repeats well.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0015	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0015	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0016	**Approximate Acreage:**	0.0572

Grids: s0016

Processing Date: 3/4/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0016.map, Grid_S0016.pdf, Grid_S0016.tif, S0016.gdb, S0016.ply, S0016_Ch2_level_lg.grd, S0016_Processed.XYZ, S0016_Repeat.gdb, S0016_Repeat_L0.map, S0016_Repeat_L0.pdf, S0016_Repeat_L2.5.map, S0016_Repeat_L2.5.pdf, S0016_Repeat_Processed.XYZ, S0016_Targets.dbf, S0016_Targets.gdb, S0016_Targets.prj, S0016_Targets.sbn, S0016_Targets.sbx, S0016_Targets.shp, S0016_Targets.shx, S0016_Targets.xls

Processing Comments:

Low target density in the area. Presence of water towards the northern boundary of the grid.

Daily Tests

IVS

Date:	3/3/2011 4:26:55 PM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0303ivs1	**Map ID:**	0303ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	46.37	33.62	19.02	9.67	0.6651	0.04	Pass
Item 2	186.31	133.38	82.06	42.25	103.58	76.89	46.98	25.42	3.0412	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	48.12	34.43	19.36	9.41	1.5143	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	108.28	80.36	47.90	26.09	11.166	0.10	Pass
Item 5	103.91	72.32	42.6	20.03	59.67	43.26	23.30	11.73	17.525	0.13	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/3/2011 8:00:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.78	-0.35	-0.12	-0.04
Pre-Background Std Dev:	0.12	0.07	0.05	0.05
Observed Spike (mV):	36	22	10	4
Spike Mean (mV):	36.54	22.61	10.43	3.87
Spike Std Dev:	0.14	0.07	0.05	0.05
Observed Post-Background (mV):	-5	0	0	0
Post-Background Mean (mV):	-7.02	-0.84	-0.36	-0.27
Post-Background Std Dev:	0.14	0.07	0.06	0.05
Calculated Spike (mV):	**39.32**	**22.96**	**10.55**	**3.91**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc1_Ch1_Ch2.map

Static_0303qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0303qc1_Ch1_Ch2.map, CableShakePersonnel_0303qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/3/2011 2:10:55 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.21	-0.5	-0.22	-0.06
Pre-Background Std Dev:	0.21	0.08	0.05	0.06
Observed Spike (mV):	37	22	10	4
Spike Mean (mV):	35.03	21.68	10.23	3.92
Spike Std Dev:	0.18	0.08	0.06	0.05
Observed Post-Background (mV):	-7	0	0	0
Post-Background Mean (mV):	-8.33	-1.31	-0.23	-0.1
Post-Background Std Dev:	0.36	0.11	0.08	0.06
Calculated Spike (mV):	**37.24**	**22.18**	**10.45**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc2_Ch1_Ch2.map

Static_0303qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

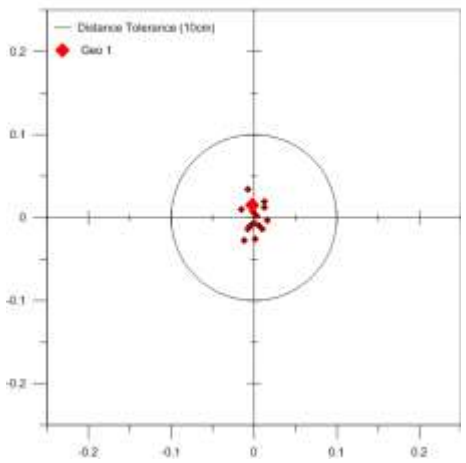
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/3/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.328
Measured Y:	4578717.965

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.19	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	s0016	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0016	GPS_Quality_Ind.map	**Percent RTK Fix:**	96.97	%

Comments:

Lower GPS quality towards the eastern end of line 22.5.

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0017	**Approximate Acreage:**	0.0572

Grids: s0017

Processing Date: 3/4/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0017.map, Grid_S0017.pdf, Grid_S0017.tif, S0017.gdb, S0017.ply, S0017_Ch2_level_lg.grd, S0017_Processed.XYZ, S0017_Repeat.gdb, S0017_Repeat_L0.map, S0017_Repeat_L0.pdf, S0017_Repeat_L2.5.map, S0017_Repeat_L2.5.pdf, S0017_Repeat_Processed.XYZ, S0017_Targets.dbf, S0017_Targets.gdb, S0017_Targets.prj, S0017_Targets.sbn, S0017_Targets.sbx, S0017_Targets.shp, S0017_Targets.shx, S0017_Targets.xls

Processing Comments:

Low target density in the area.

Daily Tests

IVS

Date:	3/3/2011 4:26:55 PM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0303ivs1	**Map ID:**	0303ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	46.37	33.62	19.02	9.67	0.6651	0.04	Pass
Item 2	186.31	133.38	82.06	42.25	103.58	76.89	46.98	25.42	3.0412	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	48.12	34.43	19.36	9.41	1.5143	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	108.28	80.36	47.90	26.09	11.166	0.10	Pass
Item 5	103.91	72.32	42.6	20.03	59.67	43.26	23.30	11.73	17.525	0.13	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/3/2011 8:00:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.78	-0.35	-0.12	-0.04
Pre-Background Std Dev:	0.12	0.07	0.05	0.05
Observed Spike (mV):	36	22	10	4
Spike Mean (mV):	36.54	22.61	10.43	3.87
Spike Std Dev:	0.14	0.07	0.05	0.05
Observed Post-Background (mV):	-5	0	0	0
Post-Background Mean (mV):	-7.02	-0.84	-0.36	-0.27
Post-Background Std Dev:	0.14	0.07	0.06	0.05
Calculated Spike (mV):	**39.32**	**22.96**	**10.55**	**3.91**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc1_Ch1_Ch2.map

Static_0303qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0303qc1_Ch1_Ch2.map, CableShakePersonnel_0303qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/3/2011 2:10:55 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0303qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.21	-0.5	-0.22	-0.06
Pre-Background Std Dev:	0.21	0.08	0.05	0.06
Observed Spike (mV):	37	22	10	4
Spike Mean (mV):	35.03	21.68	10.23	3.92
Spike Std Dev:	0.18	0.08	0.06	0.05
Observed Post-Background (mV):	-7	0	0	0
Post-Background Mean (mV):	-8.33	-1.31	-0.23	-0.1
Post-Background Std Dev:	0.36	0.11	0.08	0.06
Calculated Spike (mV):	**37.24**	**22.18**	**10.45**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0303qc2_Ch1_Ch2.map

Static_0303qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

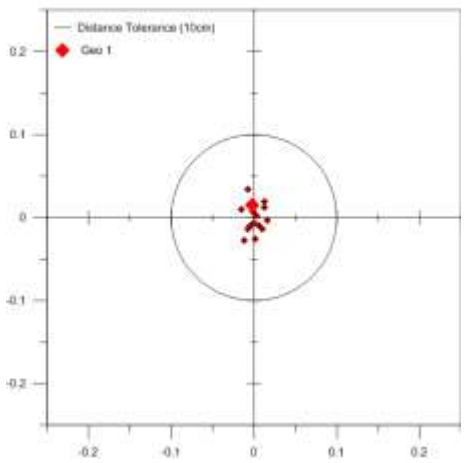
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/3/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.328
Measured Y:	4578717.965

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	99.98	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	1.93	**Std Dev of Separation:**	0.03
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	s0017	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0017	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0018	**Approximate Acreage:**	0.0621

Grids: s0018

Processing Date: 3/7/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0018.map, Grid_S0018.pdf, Grid_S0018.tif, S0018.gdb, S0018.ply, S0018_Ch2_level_lg.grd, S0018_Processed.XYZ, S0018_Repeat.gdb, S0018_Repeat_L0.map, S0018_Repeat_L0.pdf, S0018_Repeat_L2.5.map, S0018_Repeat_L2.5.pdf, S0018_Repeat_Processed.XYZ, S0018_Targets.dbf, S0018_Targets.gdb, S0018_Targets.prj, S0018_Targets.sbn, S0018_Targets.sbx, S0018_Targets.shp, S0018_Targets.shx, S0018_Targets.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/4/2011 11:07:19 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0304ivs1	**Map ID:**	0304ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.97	37.04	21.28	10.80	10.889	0.05	Pass
Item 2	186.31	133.38	82.06	42.25	111.13	81.76	50.36	27.15	9.5665	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	49.99	35.96	19.68	9.61	6.0271	0.03	Pass
Item 4	186.31	133.38	82.06	42.25	111.36	83.31	50.89	27.55	15.25	0.07	Pass
Item 5	103.91	72.32	42.6	20.03	63.49	45.69	25.86	12.56	24.126	0.05	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/4/2011 7:17:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	1	0	0	0
Pre-Background Mean (mV):	0.77	0.24	0.07	0.02
Pre-Background Std Dev:	0.15	0.09	0.06	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	39.05	21.27	9.9	4
Spike Std Dev:	0.14	0.07	0.06	0.05
Observed Post-Background (mV):	1	0	0	0
Post-Background Mean (mV):	1.26	0.46	0.14	0.06
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.28**	**21.03**	**9.83**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc1_Ch1_Ch2.map

Static_0304qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0304qc1_Ch1_Ch2.map, CableShakePersonnel_0304qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/4/2011 11:26:01 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-5	-1	0	0
Pre-Background Mean (mV):	-3.49	-1.11	-0.3	-0.13
Pre-Background Std Dev:	0.32	0.14	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.69	22.29	10.49	3.89
Spike Std Dev:	0.18	0.09	0.06	0.05
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-6.72	-1.61	-0.34	-0.21
Post-Background Std Dev:	0.23	0.1	0.06	0.05
Calculated Spike (mV):	**41.18**	**23.4**	**10.79**	**4.02**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc2_Ch1_Ch2.map

Static_0304qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

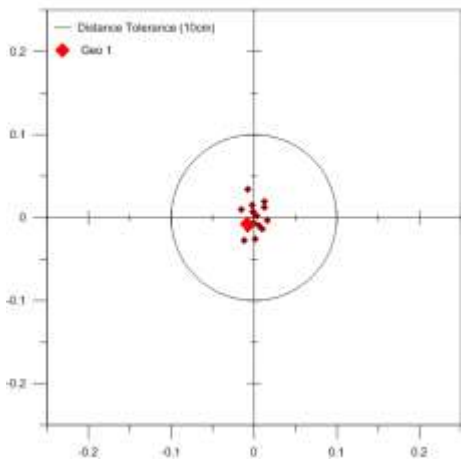
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/4/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.334
Measured Y:	4578717.988

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0018	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0018	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0019	**Approximate Acreage:**	0.0620

Grids: s0019

Processing Date: 3/7/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0019.map, Grid_S0019.pdf, Grid_S0019.tif, S0019.gdb, S0019.ply, S0019_Ch2_level_lg.grd, S0019_Processed.XYZ, S0019_Repeat.gdb, S0019_Repeat_L2.5.map, S0019_Repeat_L2.5.pdf, S0019_Repeat_L5.map, S0019_Repeat_L5.pdf, S0019_Repeat_Processed.XYZ, S0019_Targets.dbf, S0019_Targets.gdb, S0019_Targets.prj, S0019_Targets.sbn, S0019_Targets.sbx, S0019_Targets.shp, S0019_Targets.shx, S0019_Targets.xls

Processing Comments:

Ledge along the Southern edge of the dataset. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/4/2011 11:07:19 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0304ivs1	**Map ID:**	0304ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.97	37.04	21.28	10.80	10.889	0.05	Pass
Item 2	186.31	133.38	82.06	42.25	111.13	81.76	50.36	27.15	9.5665	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	49.99	35.96	19.68	9.61	6.0271	0.03	Pass
Item 4	186.31	133.38	82.06	42.25	111.36	83.31	50.89	27.55	15.25	0.07	Pass
Item 5	103.91	72.32	42.6	20.03	63.49	45.69	25.86	12.56	24.126	0.05	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/4/2011 7:17:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	1	0	0	0
Pre-Background Mean (mV):	0.77	0.24	0.07	0.02
Pre-Background Std Dev:	0.15	0.09	0.06	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	39.05	21.27	9.9	4
Spike Std Dev:	0.14	0.07	0.06	0.05
Observed Post-Background (mV):	1	0	0	0
Post-Background Mean (mV):	1.26	0.46	0.14	0.06
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.28**	**21.03**	**9.83**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc1_Ch1_Ch2.map

Static_0304qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0304qc1_Ch1_Ch2.map, CableShakePersonnel_0304qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/4/2011 11:26:01 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-5	-1	0	0
Pre-Background Mean (mV):	-3.49	-1.11	-0.3	-0.13
Pre-Background Std Dev:	0.32	0.14	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.69	22.29	10.49	3.89
Spike Std Dev:	0.18	0.09	0.06	0.05
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-6.72	-1.61	-0.34	-0.21
Post-Background Std Dev:	0.23	0.1	0.06	0.05
Calculated Spike (mV):	**41.18**	**23.4**	**10.79**	**4.02**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc2_Ch1_Ch2.map

Static_0304qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

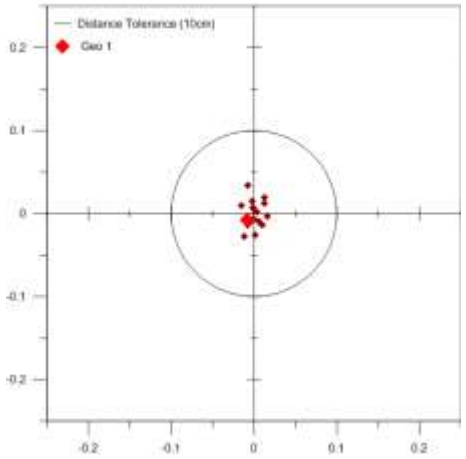
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/4/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.334
Measured Y:	4578717.988

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	2.5, 5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0019	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0019	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0020	**Approximate Acreage:**	0.0572

Grids: s0020

Processing Date: 3/7/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0020.map, Grid_S0020.pdf, Grid_S0020.tif, S0020.gdb, S0020.ply, S0020_Ch2_level_lg.grd, S0020_Processed.XYZ, S0020_Repeat.gdb, S0020_Repeat_L0.map, S0020_Repeat_L0.pdf, S0020_Repeat_L2.5.map, S0020_Repeat_L2.5.pdf, S0020_Repeat_Processed.XYZ, S0020_Targets.dbf, S0020_Targets.gdb, S0020_Targets.prj, S0020_Targets.sbn, S0020_Targets.sbx, S0020_Targets.shp, S0020_Targets.shx, S0020_Targets.xls

Processing Comments:

Low target density in the area. Targets associated with the culture in the eastern side of the grid.

Daily Tests

IVS

Date:	3/4/2011 11:07:19 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0304ivs1	**Map ID:**	0304ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.97	37.04	21.28	10.80	10.889	0.05	Pass
Item 2	186.31	133.38	82.06	42.25	111.13	81.76	50.36	27.15	9.5665	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	49.99	35.96	19.68	9.61	6.0271	0.03	Pass
Item 4	186.31	133.38	82.06	42.25	111.36	83.31	50.89	27.55	15.25	0.07	Pass
Item 5	103.91	72.32	42.6	20.03	63.49	45.69	25.86	12.56	24.126	0.05	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/4/2011 7:17:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	1	0	0	0
Pre-Background Mean (mV):	0.77	0.24	0.07	0.02
Pre-Background Std Dev:	0.15	0.09	0.06	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	39.05	21.27	9.9	4
Spike Std Dev:	0.14	0.07	0.06	0.05
Observed Post-Background (mV):	1	0	0	0
Post-Background Mean (mV):	1.26	0.46	0.14	0.06
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.28**	**21.03**	**9.83**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc1_Ch1_Ch2.map

Static_0304qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0304qc1_Ch1_Ch2.map, CableShakePersonnel_0304qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/4/2011 11:26:01 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-5	-1	0	0
Pre-Background Mean (mV):	-3.49	-1.11	-0.3	-0.13
Pre-Background Std Dev:	0.32	0.14	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.69	22.29	10.49	3.89
Spike Std Dev:	0.18	0.09	0.06	0.05
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-6.72	-1.61	-0.34	-0.21
Post-Background Std Dev:	0.23	0.1	0.06	0.05
Calculated Spike (mV):	**41.18**	**23.4**	**10.79**	**4.02**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc2_Ch1_Ch2.map

Static_0304qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

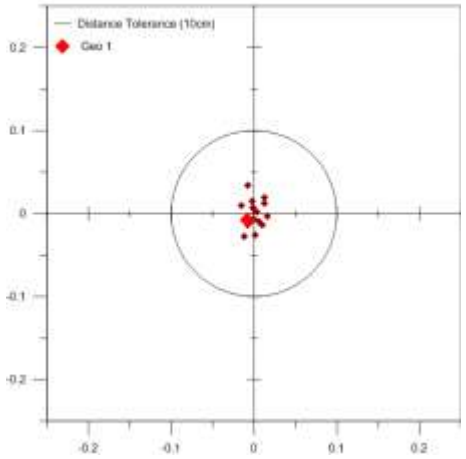
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/4/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.334
Measured Y:	4578717.988

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

Repeat lines have some drift from the original line.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	s0020	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0020	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Processing and Data Quality Report

Dataset ID:	s0021	**Approximate Acreage:**	0.0572

Grids: s0021

Processing Date: 3/7/2011
Processor: Param Sahu

☑ **Leveling Correction**
Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**
Latency Method: Lag=3

☐ **Additional Filtering**
Additional Filtering Description:

☐ **Gaps/Culture Noted**
☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**
Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**
Processed Files:
Grid_S0021.map, Grid_S0021.pdf, Grid_S0021.tif, S0021.gdb, S0021.ply, S0021_Ch2_level_lg.grd, S0021_Processed.XYZ, S0021_Repeat.gdb, S0021_Repeat_L0.map, S0021_Repeat_L0.pdf, S0021_Repeat_L2.5.map, S0021_Repeat_L2.5.pdf, S0021_Repeat_Processed.XYZ, S0021_Targets.xls

Processing Comments:
No selected targets in this dataset.

Daily Tests

IVS

Date:	3/4/2011 11:07:19 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0304ivs1	**Map ID:**	0304ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.97	37.04	21.28	10.80	10.889	0.05	Pass
Item 2	186.31	133.38	82.06	42.25	111.13	81.76	50.36	27.15	9.5665	0.05	Pass
Item 3	103.91	72.32	42.6	20.03	49.99	35.96	19.68	9.61	6.0271	0.03	Pass
Item 4	186.31	133.38	82.06	42.25	111.36	83.31	50.89	27.55	15.25	0.07	Pass
Item 5	103.91	72.32	42.6	20.03	63.49	45.69	25.86	12.56	24.126	0.05	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/4/2011 7:17:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	1	0	0	0
Pre-Background Mean (mV):	0.77	0.24	0.07	0.02
Pre-Background Std Dev:	0.15	0.09	0.06	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	39.05	21.27	9.9	4
Spike Std Dev:	0.14	0.07	0.06	0.05
Observed Post-Background (mV):	1	0	0	0
Post-Background Mean (mV):	1.26	0.46	0.14	0.06
Post-Background Std Dev:	0.12	0.07	0.06	0.05
Calculated Spike (mV):	**38.28**	**21.03**	**9.83**	**3.98**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc1_Ch1_Ch2.map

Static_0304qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0304qc1_Ch1_Ch2.map, CableShakePersonnel_0304qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/4/2011 11:26:01 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0304qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-5	-1	0	0
Pre-Background Mean (mV):	-3.49	-1.11	-0.3	-0.13
Pre-Background Std Dev:	0.32	0.14	0.06	0.06
Observed Spike (mV):	39	22	10	4
Spike Mean (mV):	37.69	22.29	10.49	3.89
Spike Std Dev:	0.18	0.09	0.06	0.05
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-6.72	-1.61	-0.34	-0.21
Post-Background Std Dev:	0.23	0.1	0.06	0.05
Calculated Spike (mV):	**41.18**	**23.4**	**10.79**	**4.02**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0304qc2_Ch1_Ch2.map

Static_0304qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

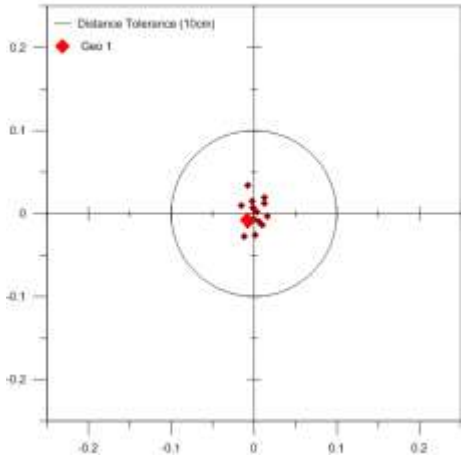
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/4/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.334
Measured Y:	4578717.988

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0021	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0021	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0022	**Approximate Acreage:**	0.0570

Grids: s0022

Processing Date: 3/9/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0022.map, Grid_S0022.pdf, Grid_S0022.tif, S0022.gdb, S0022.ply, S0022_Ch2_level_lg.grd, S0022_Processed.XYZ, S0022_Repeat.gdb, S0022_Repeat_L0.map, S0022_Repeat_L0.pdf, S0022_Repeat_L2.5.map, S0022_Repeat_L2.5.pdf, S0022_Repeat_Processed.XYZ, S0022_Targets.dbf, S0022_Targets.gdb, S0022_Targets.prj, S0022_Targets.sbn, S0022_Targets.sbx, S0022_Targets.shp, S0022_Targets.shx, S0022_Targets.xls

Processing Comments:

Low level of target density in the area. Target associated with culture.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	**Channel2**	**Channel 3**	**Channel 4**
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID: Static_0308qc1_Ch1_Ch2.map

Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

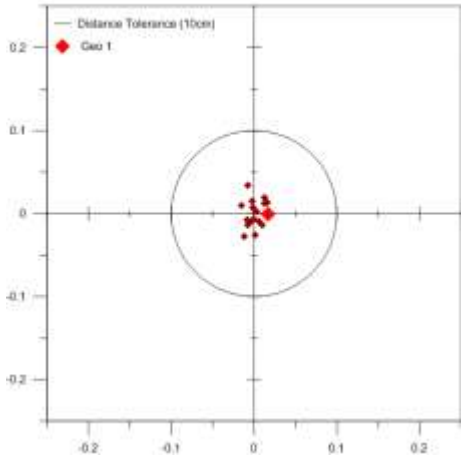
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Repeat linepath drifetd from the original linepath.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.16	**Std Dev of Separation:**	0.02
Mean Separation:	0.11				

Comments:

Coverage

Dataset ID:	s0022	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0022	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0023	**Approximate Acreage:**	0.0594

Grids: s0023

Processing Date: 3/9/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0023.map, Grid_S0023.pdf, Grid_S0023.tif, S0023.gdb, S0023.ply, S0023_Ch2_level_lg.grd, S0023_Processed.XYZ, S0023_Repeat.gdb, S0023_Repeat_L0.map, S0023_Repeat_L0.pdf, S0023_Repeat_L2.5.map, S0023_Repeat_L2.5.pdf, S0023_Repeat_Processed.XYZ, S0023_Targets.dbf, S0023_Targets.gdb, S0023_Targets.prj, S0023_Targets.sbn, S0023_Targets.sbx, S0023_Targets.shp, S0023_Targets.shx, S0023_Targets.xls

Processing Comments:

Low level of target density in the area.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	**Channel2**	**Channel 3**	**Channel 4**
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc1_Ch1_Ch2.map

Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

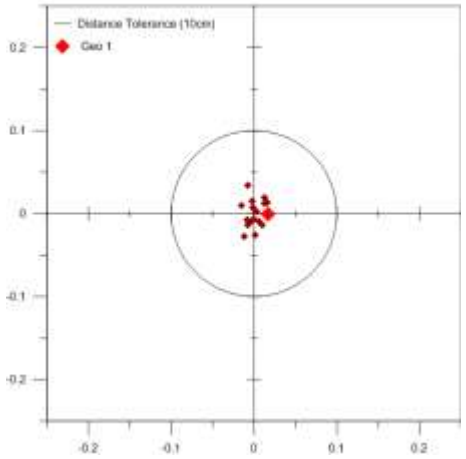
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.16	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Coverage

Dataset ID:	s0023	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0023	GPS_Quality_Ind.map	**Percent RTK Fix:**	99.48	%

Comments:

Low GPS quality in one place line 40.1.

Processing and Data Quality Report

Dataset ID:	s0024	**Approximate Acreage:**	0.0567

Grids: s0024

Processing Date:	3/9/2011
Processor:	Param Sahu

☑ **Leveling Correction**

Leveling Method:	Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method:	Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0024.map, Grid_S0024.pdf, Grid_S0024.tif, S0024.gdb, S0024.ply, S0024_Ch2_level_lg.grd, S0024_Processed.XYZ, S0024_Repeat.gdb, S0024_Repeat_L0.map, S0024_Repeat_L0.pdf, S0024_Repeat_L2.5.map, S0024_Repeat_L2.5.pdf, S0024_Repeat_Processed.XYZ, S0024_Targets.dbf, S0024_Targets.gdb, S0024_Targets.prj, S0024_Targets.sbn, S0024_Targets.sbx, S0024_Targets.shp, S0024_Targets.shx, S0024_Targets.xls

Processing Comments:

Low level of target density in the area.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	**Channel2**	**Channel 3**	**Channel 4**
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID:	Static_0308qc1_Ch1_Ch2.map
	Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed:	☑	**Personnel Test Performed:**	☑
Cable Shake Test Acceptable:	☑	**Personnel Test Acceptable:**	☑

Cable Shake and Personnel Map ID:	CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

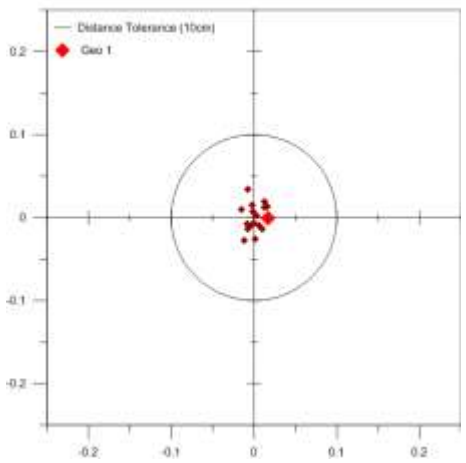
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02
Mean Separation:	0.11				

Comments:

Coverage

Dataset ID:	s0024	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0024	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	s0026	**Approximate Acreage:**	0.2212

Grids: s0026

Processing Date:	3/22/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag = 4 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	S0026_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0026.map, Grid_S0026.pdf, Grid_S0026.tif, S0026.gdb, S0026.ply, S0026_Ch2_level_lg.grd, S0026_Culture.ply, S0026_Processed.XYZ, S0026_Repeat.gdb, S0026_Repeat_L0.map, S0026_Repeat_L0.pdf, S0026_Repeat_L2.5.map, S0026_Repeat_L2.5.pdf, S0026_Repeat_Processed.XYZ, S0026_Targets.dbf, S0026_Targets.gdb, S0026_Targets.prj, S0026_Targets.shp, S0026_Targets.shx, S0026_Targets.xls

Processing Comments:

Low noise throughout dataset. Linear responses parallel to boardwalk noted on grid map. All responses believed to be caused by culture are noted as such in the comments.

Daily Tests

IVS

Date:	3/21/2011 7:30:56 AM	**Team ID:**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0321IVS	**Map ID:**	0321IVS.map			**Processor:**	James Hayslett

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	166.74	120.07	69.01	34.59	17.429	0.08	Pass
Item 2	127.94	88.71	52.26	24.57	87.75	63.46	36.51	18.46	28.463	0.07	Pass
Item 3	175.7	125.8	77.4	39.8	136.97	101.98	61.92	33.37	18.936	0.11	Pass
Item 4	136.59	95.06	56	26.32	98.17	71.78	39.96	20.25	24.491	0.11	Pass
Item 5	32.04	23.58	13.34	5.25	34.14	24.93	14.10	5.64	5.7295	0.23	Pass

Field Comments:

IVS1

Processing Comments:

Lag = 3.5

Exception Notes:

Static Repeatability

Date:	3/21/2011 7:48:17 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0321qc1	**Location:**	south beach	**Processor:**	James Hayslett

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.09	-0.4	0.07	0.14
Pre-Background Std Dev:	0.32	0.09	0.06	0.06
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.55	21.97	10.12	3.65
Spike Std Dev:	0.44	0.14	0.07	0.06
Observed Post-Background (mV):	-5	-1	0	0
Post-Background Mean (mV):	-4.47	-1.21	-0.55	-0.47
Post-Background Std Dev:	0.5	0.13	0.07	0.06
Calculated Spike (mV):	**39.64**	**22.37**	**10.05**	**3.51**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0321qc1_Ch1_Ch2.map

Static_0321qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0321qc1_Ch1_Ch2.map, CableShakePersonnel_0321qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

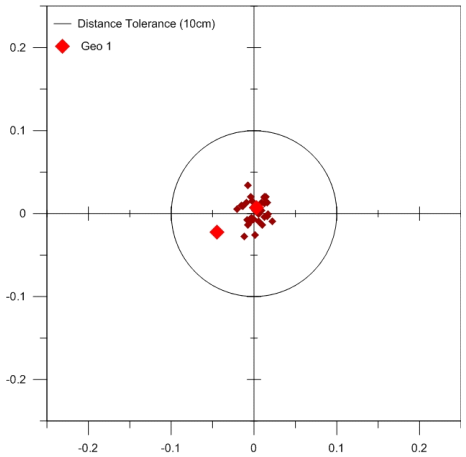
Response on Channel 4 was slightly lower than anticipated. Responses on all other channels were reasonable.

Geodetic Equipment Functionality (GPS Check)

Date:	3/21/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.505
Measured Y:	4585747.011

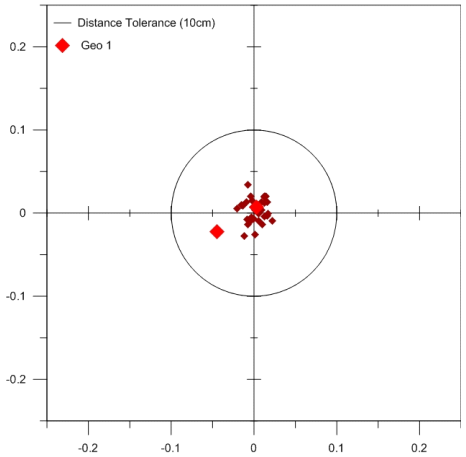
Field Comments:



Date:	3/21/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.459
Measured Y:	4578878.517

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Sample Speed

Percent Passing Points:	100					**QC Status:**	Pass
Min Speed:	-0.13	**Max Speed:**	1.31	**Std Dev of Speed:**	0.21	**Mean Speed:**	0.86

Comments:

Coverage

Dataset ID:	s0026	**Percent Coverage:**	88.76 %	**QC Status:**	Pass

Explanation of Gaps:

A large portion of the grid area was not collectable due to the boardwalk noted on the grid map.

GPS Quality

Dataset ID:	s0026	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0027	**Approximate Acreage:**	0.0572

Grids: s0027

Processing Date: 3/9/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/75-100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0027.map, Grid_S0027.pdf, Grid_S0027.tif, S0027.gdb, S0027.ply, S0027_Ch2_level_lg.grd, S0027_Processed.XYZ, S0027_Repeat.gdb, S0027_Repeat_L0.map, S0027_Repeat_L0.pdf, S0027_Repeat_L2.5.map, S0027_Repeat_L2.5.pdf, S0027_Repeat_Processed.XYZ, S0027_Targets.dbf, S0027_Targets.gdb, S0027_Targets.prj, S0027_Targets.sbn, S0027_Targets.sbx, S0027_Targets.shp, S0027_Targets.shx, S0027_Targets.xls

Processing Comments:

Line 27.5 split into 27.51 and 27.52, L42.5 split into 42.51 and L20 split into L20.1. Line 2.5 shortened and Line 0.1 deleted. None of these changes affected coverage. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	**Channel2**	**Channel 3**	**Channel 4**
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc1_Ch1_Ch2.map

Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

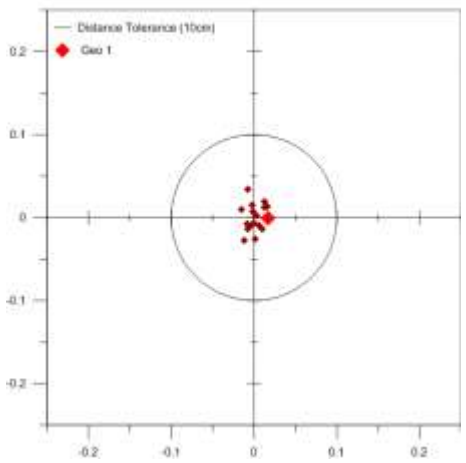
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

crew veered slightly off course on both lines.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.03
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	s0027	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0027	GPS_Quality_Ind.map	**Percent RTK Fix:**	93.86	%

Comments:

Roughly 6.2% DGPS in grid but no noticable line deviation and all targets are unaffected.

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0028	**Approximate Acreage:**	0.0562

Grids: s0028

Processing Date: 3/9/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/50-100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0028.map, Grid_S0028.pdf, Grid_S0028.tif, S0028.gdb, S0028.ply, S0028_Ch2_level_lg.grd, S0028_Processed.XYZ, S0028_Repeat.gdb, S0028_Repeat_L47.5.map, S0028_Repeat_L47.5.pdf, S0028_Repeat_L50.map, S0028_Repeat_L50.pdf, S0028_Repeat_Processed.XYZ, S0028_Targets.dbf, S0028_Targets.gdb, S0028_Targets.prj, S0028_Targets.sbn, S0028_Targets.sbx, S0028_Targets.shp, S0028_Targets.shx, S0028_Targets.xls

Processing Comments:

Line 47.5 deleted and Line 47.50 renamed to 47.5. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc1_Ch1_Ch2.map

Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

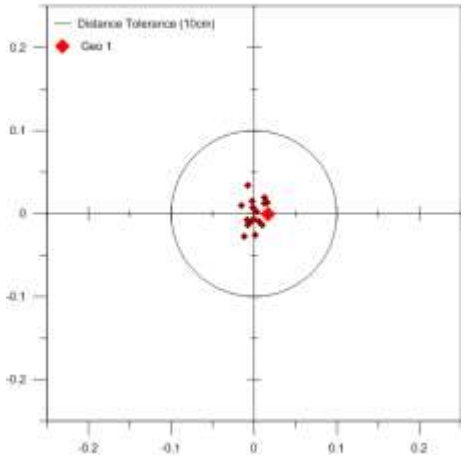
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	47.5, 50	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Line 47.5 is a combination of lines 47.5 and 47.6.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0028	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0028	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0029	**Approximate Acreage:**	0.0581

Grids: s0029

Processing Date: 3/9/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/75-100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0029.map, Grid_S0029.pdf, Grid_S0029.tif, P0029.ply, S0029.gdb, S0029_Ch2_level_lg.grd, S0029_Processed.XYZ, S0029_Repeat.gdb, S0029_Repeat_L0.map, S0029_Repeat_L0.pdf, S0029_Repeat_L2.5.map, S0029_Repeat_L2.5.pdf, S0029_Repeat_Processed.XYZ, S0029_Targets.dbf, S0029_Targets.gdb, S0029_Targets.prj, S0029_Targets.sbn, S0029_Targets.sbx, S0029_Targets.shp, S0029_Targets.shx, S0029_Targets.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/8/2011 3:40:00 PM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0308ivs1	**Map ID:**	0308ivs1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	69.23	48.41	27.64	13.84	2.0172	0.47	Fail
Item 2	127.94	88.71	52.26	24.57	50.78	35.88	20.66	10.38	1.2927	0.41	Fail
Item 3	175.7	125.8	77.4	39.8	138.34	101.92	62.02	33.12	2.4688	0.18	Pass
Item 4	136.59	95.06	56	26.32	78.70	57.15	32.69	16.38	8.3404	0.24	Pass
Item 5	32.04	23.58	13.34	5.25	28.84	21.33	11.89	4.98	9.8982	0.24	Pass

Field Comments:

IVS5

Processing Comments:

Crew veered slighty of course. Items 1 and 2 positioning failed due to crew deviating from line path.

Exception Notes:

Item 1 Possitional Offset: 0.4698. Item 2 Possitional Offset: 0.4148.

Static Repeatability

Date:	3/8/2011 7:10:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	-1	0	0
Pre-Background Mean (mV):	-2.85	-0.98	-0.4	-0.23
Pre-Background Std Dev:	0.19	0.11	0.09	0.07
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	36.62	20.99	9.7	3.66
Spike Std Dev:	0.18	0.11	0.08	0.07
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.45	-1.79	-0.73	-0.28
Post-Background Std Dev:	0.17	0.1	0.08	0.07
Calculated Spike (mV):	**39.47**	**21.97**	**10.1**	**3.89**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc1_Ch1_Ch2.map

Static_0308qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0308qc1_Ch1_Ch2.map, CableShakePersonnel_0308qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/8/2011 3:42:10 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0308qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.17	0.23	-0.06
Pre-Background Std Dev:	0.27	0.18	0.16	0.15
Observed Spike (mV):	37	21	10	4
Spike Mean (mV):	37.22	21.06	10.09	3.82
Spike Std Dev:	0.25	0.12	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-0.68	0.06	0.27	-0.15
Post-Background Std Dev:	0.22	0.12	0.09	0.07
Calculated Spike (mV):	**37.31**	**20.89**	**9.86**	**3.88**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0308qc2_Ch1_Ch2.map

Static_0308qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

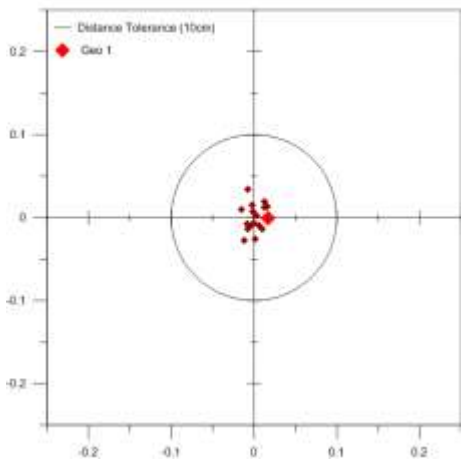
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date	3/8/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.397
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

Line 0 is a Combination of Line 0 and 0.1. Crew veered slightly off course on L0

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.18	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	s0029	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0029	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0030	**Approximate Acreage:**	0.0576

Grids: s0030

Processing Date: 3/10/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=2

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0030.map, Grid_S0030.pdf, Grid_S0030.tif, S0030.gdb, S0030.ply, S0030_Ch2_level_lg.grd, S0030_Processed.XYZ, S0030_Repeat.gdb, S0030_Repeat_L0.map, S0030_Repeat_L0.pdf, S0030_Repeat_L2.5.map, S0030_Repeat_L2.5.pdf, S0030_Repeat_Processed.XYZ, S0030_Targets.dbf, S0030_Targets.gdb, S0030_Targets.prj, S0030_Targets.sbn, S0030_Targets.sbx, S0030_Targets.shp, S0030_Targets.shx, S0030_Targets.xls

Processing Comments:

Low target density in the area.

Daily Tests

IVS

Date:	3/9/2011 10:00:00 AM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0309IVS1	**Map ID:**	0309IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	168.51	121.94	69.57	34.98	16.14	0.11	Pass
Item 2	127.94	88.71	52.26	24.57	87.69	63.11	36.45	18.26	28.855	0.06	Pass
Item 3	175.7	125.8	77.4	39.8	134.97	99.84	60.65	32.55	20.639	0.18	Pass
Item 4	136.59	95.06	56	26.32	100.05	72.52	41.65	20.76	23.708	0.12	Pass
Item 5	32.04	23.58	13.34	5.25	34.54	25.37	14.69	5.94	7.6058	0.16	Pass

Field Comments:

IVS1

Processing Comments:

Lag=4.5

Exception Notes:

Static Repeatability

Date:	3/9/2011 7:05:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.5	-0.74	-0.31	0.04
Pre-Background Std Dev:	0.18	0.1	0.07	0.06
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.08	21.87	10.04	3.78
Spike Std Dev:	0.25	0.13	0.07	0.07
Observed Post-Background (mV):	-4	0	0	0
Post-Background Mean (mV):	-4.77	-0.94	-0.44	-0.13
Post-Background Std Dev:	0.22	0.11	0.08	0.07
Calculated Spike (mV):	**39.58**	**22.61**	**10.35**	**3.74**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc1_Ch1_Ch2.map

Static_0309qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0309qc1_Ch1_Ch2.map, CableShakePersonnel_0309qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/9/2011 2:28:08 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc2	**Location:**	poge	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-1.76	-0.28	0.02	-0.08
Pre-Background Std Dev:	0.15	0.11	0.07	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.5	21.62	9.92	3.58
Spike Std Dev:	0.22	0.14	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-1.55	0.42	0.13	-0.19
Post-Background Std Dev:	0.18	0.12	0.07	0.06
Calculated Spike (mV):	**38.26**	**21.9**	**9.9**	**3.66**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc2_Ch1_Ch2.map

Static_0309qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

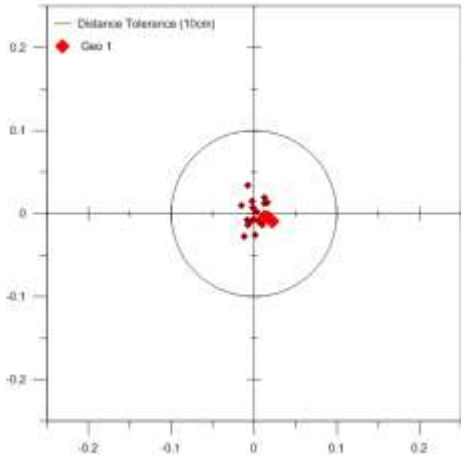
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/9/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.401
Measured Y:	4578878.499

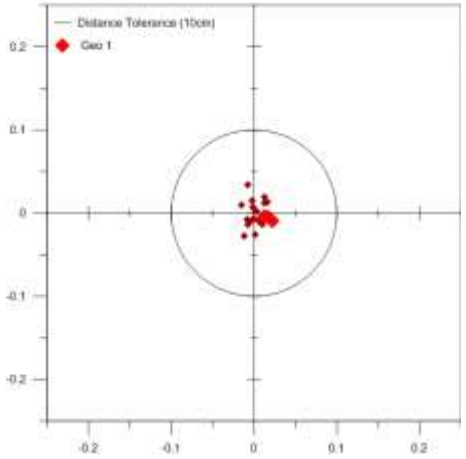
Field Comments:



Date	3/9/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.486
Measured Y:	4585747.027

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Position of the peak matches, but have different responses in the original and repeat line.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	S0030	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	S0030	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0031	**Approximate Acreage:**	0.0556

Grids: s0031

Processing Date: 3/10/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0031.map, Grid_S0031.pdf, Grid_S0031.tif, S0031.gdb, S0031.ply, S0031_Ch2_level_lg.grd, S0031_Processed.XYZ, S0031_Repeat.gdb, S0031_Repeat_L0.map, S0031_Repeat_L0.pdf, S0031_Repeat_L2.5.map, S0031_Repeat_L2.5.pdf, S0031_Repeat_Processed.XYZ, S0031_Targets.dbf, S0031_Targets.gdb, S0031_Targets.prj, S0031_Targets.sbn, S0031_Targets.sbx, S0031_Targets.shp, S0031_Targets.shx, S0031_Targets.xls

Processing Comments:

Ocean towards the eastren boundary of the grid. SE grid corner falls in water, it has been interpolated to make a square grid.

Daily Tests

IVS

Date:	3/9/2011 10:00:00 AM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0309IVS1	**Map ID:**	0309IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	168.51	121.94	69.57	34.98	16.14	0.11	Pass
Item 2	127.94	88.71	52.26	24.57	87.69	63.11	36.45	18.26	28.855	0.06	Pass
Item 3	175.7	125.8	77.4	39.8	134.97	99.84	60.65	32.55	20.639	0.18	Pass
Item 4	136.59	95.06	56	26.32	100.05	72.52	41.65	20.76	23.708	0.12	Pass
Item 5	32.04	23.58	13.34	5.25	34.54	25.37	14.69	5.94	7.6058	0.16	Pass

Field Comments:

IVS1

Processing Comments:

Lag=4.5

Exception Notes:

Static Repeatability

Date:	3/9/2011 7:05:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.5	-0.74	-0.31	0.04
Pre-Background Std Dev:	0.18	0.1	0.07	0.06
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.08	21.87	10.04	3.78
Spike Std Dev:	0.25	0.13	0.07	0.07
Observed Post-Background (mV):	-4	0	0	0
Post-Background Mean (mV):	-4.77	-0.94	-0.44	-0.13
Post-Background Std Dev:	0.22	0.11	0.08	0.07
Calculated Spike (mV):	**39.58**	**22.61**	**10.35**	**3.74**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc1_Ch1_Ch2.map

Static_0309qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0309qc1_Ch1_Ch2.map, CableShakePersonnel_0309qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/9/2011 2:28:08 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc2	**Location:**	poge	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-1.76	-0.28	0.02	-0.08
Pre-Background Std Dev:	0.15	0.11	0.07	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.5	21.62	9.92	3.58
Spike Std Dev:	0.22	0.14	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-1.55	0.42	0.13	-0.19
Post-Background Std Dev:	0.18	0.12	0.07	0.06
Calculated Spike (mV):	**38.26**	**21.9**	**9.9**	**3.66**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc2_Ch1_Ch2.map

Static_0309qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

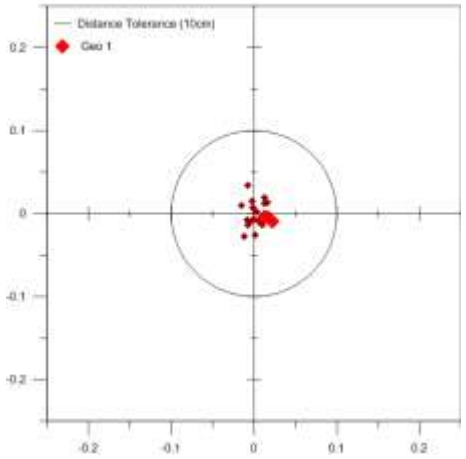
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/9/2011	Team ID:	Geo1	QC Status:	Pass

Point ID:	ControlPoint6
Measured X:	377597.401
Measured Y:	4578878.499

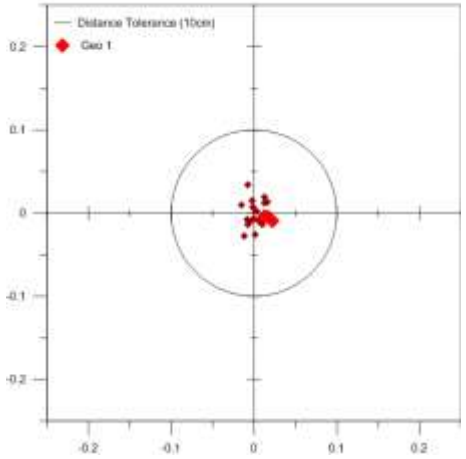
Field Comments:



Date	3/9/2011	Team ID:	Geo1	QC Status:	Pass

Point ID:	ControlPoint1
Measured X:	378860.486
Measured Y:	4585747.027

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Repeat linepath drifted slightly from the original one.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.02	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Coverage

Dataset ID:	S0031	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	S0031	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0032	**Approximate Acreage:**	0.0565

Grids: s0032

Processing Date: 3/10/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method: Statistical Leveling Ch1 - 0/80/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60
Other Parameters:	

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0032.map, Grid_S0032.pdf, Grid_S0032.tif, S0032.gdb, S0032.ply, S0032_Ch2_level_lg.grd, S0032_Processed.XYZ, S0032_Repeat.gdb, S0032_Repeat_L5.map, S0032_Repeat_L5.pdf, S0032_Repeat_L7.5.map, S0032_Repeat_L7.5.pdf, S0032_Repeat_Processed.XYZ, S0032_Targets.dbf, S0032_Targets.gdb, S0032_Targets.prj, S0032_Targets.sbn, S0032_Targets.sbx, S0032_Targets.shp, S0032_Targets.shx, S0032_Targets.xls

Processing Comments:

Low target density in the area. Cliff running NE-SW of the grid.

Daily Tests

IVS

Date:	3/9/2011 10:00:00 AM	**Team ID**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0309IVS1	**Map ID:**	0309IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	168.51	121.94	69.57	34.98	16.14	0.11	Pass
Item 2	127.94	88.71	52.26	24.57	87.69	63.11	36.45	18.26	28.855	0.06	Pass
Item 3	175.7	125.8	77.4	39.8	134.97	99.84	60.65	32.55	20.639	0.18	Pass
Item 4	136.59	95.06	56	26.32	100.05	72.52	41.65	20.76	23.708	0.12	Pass
Item 5	32.04	23.58	13.34	5.25	34.54	25.37	14.69	5.94	7.6058	0.16	Pass

Field Comments:

IVS1

Processing Comments:

Lag=4.5

Exception Notes:

Static Repeatability

Date:	3/9/2011 7:05:57 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.5	-0.74	-0.31	0.04
Pre-Background Std Dev:	0.18	0.1	0.07	0.06
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.08	21.87	10.04	3.78
Spike Std Dev:	0.25	0.13	0.07	0.07
Observed Post-Background (mV):	-4	0	0	0
Post-Background Mean (mV):	-4.77	-0.94	-0.44	-0.13
Post-Background Std Dev:	0.22	0.11	0.08	0.07
Calculated Spike (mV):	**39.58**	**22.61**	**10.35**	**3.74**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc1_Ch1_Ch2.map

Static_0309qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0309qc1_Ch1_Ch2.map, CableShakePersonnel_0309qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/9/2011 2:28:08 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0309qc2	**Location:**	poge	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-1.76	-0.28	0.02	-0.08
Pre-Background Std Dev:	0.15	0.11	0.07	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.5	21.62	9.92	3.58
Spike Std Dev:	0.22	0.14	0.08	0.07
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-1.55	0.42	0.13	-0.19
Post-Background Std Dev:	0.18	0.12	0.07	0.06
Calculated Spike (mV):	**38.26**	**21.9**	**9.9**	**3.66**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0309qc2_Ch1_Ch2.map

Static_0309qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

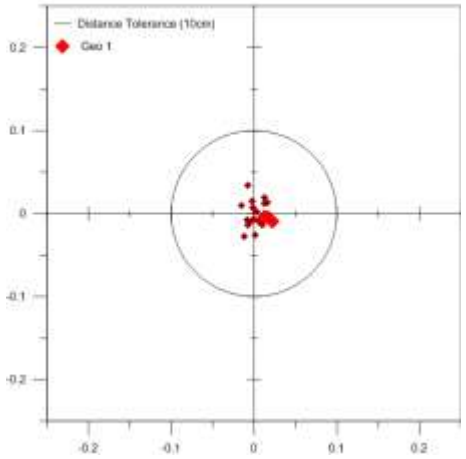
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/9/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.401
Measured Y:	4578878.499

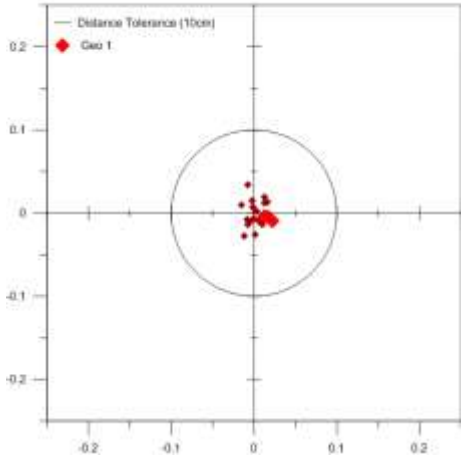
Field Comments:



Date	3/9/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.486
Measured Y:	4585747.027

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	5, 7.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.13	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.08

Comments:

Coverage

Dataset ID:	S0032	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	S0032	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0033	**Approximate Acreage:**	0.0601

Grids: s0033

Processing Date: 3/18/2011

Processor: Param Sahu

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0033.map, Grid_S0033.pdf, Grid_S0033.tif, S0033.gdb, S0033.ply, S0033_Ch2_level_lg.grd, S0033_Processed.XYZ, S0033_Repeat.gdb, S0033_Repeat_L0.map, S0033_Repeat_L0.pdf, S0033_Repeat_L2.5.map, S0033_Repeat_L2.5.pdf, S0033_Repeat_Processed.XYZ, S0033_Targets.dbf, S0033_Targets.gdb, S0033_Targets.prj, S0033_Targets.sbn, S0033_Targets.sbx, S0033_Targets.shp, S0033_Targets.shx, S0033_Targets.xls

Processing Comments:

Low target density in the area.

Daily Tests

IVS

Date:	3/17/2011 7:58:40 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0317IVS1	**Map ID:**	0317IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.49	36.67	21.32	10.89	9.786	0.10	Pass
Item 2	186.31	133.38	82.06	42.25	106.91	79.94	49.03	26.54	7.1311	0.04	Pass
Item 3	103.91	72.32	42.6	20.03	50.41	36.36	19.77	9.71	7.1822	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	111.65	82.75	51.81	28.01	14.466	0.14	Pass
Item 5	103.91	72.32	42.6	20.03	66.09	47.80	27.15	13.05	29.845	0.12	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/17/2011 7:44:32 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.3	-0.71	-0.26	-0.06
Pre-Background Std Dev:	0.32	0.15	0.08	0.06
Observed Spike (mV):	38	21	10	4
Spike Mean (mV):	36.38	20.64	9.56	3.65
Spike Std Dev:	0.16	0.09	0.06	0.06
Observed Post-Background (mV):	-5	-2	-1	0
Post-Background Mean (mV):	-5.78	-3.12	-1.43	-0.56
Post-Background Std Dev:	0.16	0.09	0.06	0.06
Calculated Spike (mV):	**38.68**	**21.35**	**9.82**	**3.71**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc1_Ch1_Ch2.map

Static_0317qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0317qc1_Ch1_Ch2.map, CableShakePersonnel_0317qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/17/2011 2:26:40 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	**Channel2**	**Channel 3**	**Channel 4**
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-0.36	-0.49	-0.19	-0.04
Pre-Background Std Dev:	0.39	0.12	0.07	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	40.28	20.84	9.67	3.73
Spike Std Dev:	0.37	0.12	0.07	0.06
Observed Post-Background (mV):	0	-1	0	0
Post-Background Mean (mV):	-0.22	-0.94	-0.39	-0.21
Post-Background Std Dev:	0.47	0.15	0.07	0.06
Calculated Spike (mV):	**40.64**	**21.33**	**9.86**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc2_Ch1_Ch2.map

Static_0317qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

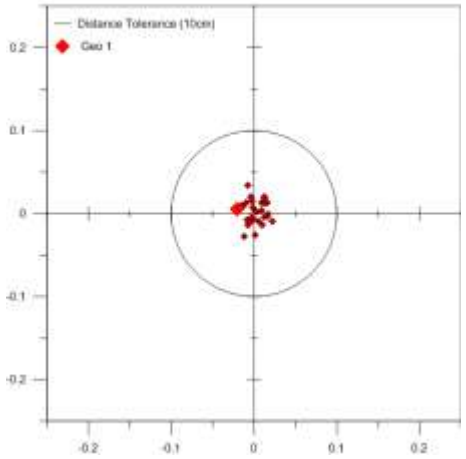
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/17/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.346
Measured Y:	4578717.975

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Data spike at the end of line 0.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	s0033	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0033	GPS_Quality_Ind.map	**Percent RTK Fix:**	99.58	%

Comments:

Low GPS quality in the middle of line 17.5.

Processing and Data Quality Report

Dataset ID:	s0034	**Approximate Acreage:**	0.0686

Grids: s0034

Processing Date:	3/18/2011
Processor:	Param Sahu

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Processed Submittal Package**

Processed Files:

Grid_S0034.map, Grid_S0034.pdf, Grid_S0034.tif, S0034.gdb, S0034.ply, S0034_Ch2_level_lg.grd, S0034_Processed.XYZ, S0034_Repeat.gdb, S0034_Repeat_L27.5.map, S0034_Repeat_L27.5.pdf, S0034_Repeat_L30.map, S0034_Repeat_L30.pdf, S0034_Repeat_Processed.XYZ, S0034_Targets.dbf, S0034_Targets.gdb, S0034_Targets.prj, S0034_Targets.sbn, S0034_Targets.sbx, S0034_Targets.shp, S0034_Targets.shx, S0034_Targets.xls

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

Processing Comments:
Low target density in the area.

Daily Tests

IVS

Date:	3/17/2011 7:58:40 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0317IVS1	**Map ID:**	0317IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.49	36.67	21.32	10.89	9.786	0.10	Pass
Item 2	186.31	133.38	82.06	42.25	106.91	79.94	49.03	26.54	7.1311	0.04	Pass
Item 3	103.91	72.32	42.6	20.03	50.41	36.36	19.77	9.71	7.1822	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	111.65	82.75	51.81	28.01	14.466	0.14	Pass
Item 5	103.91	72.32	42.6	20.03	66.09	47.80	27.15	13.05	29.845	0.12	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/17/2011 7:44:32 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.3	-0.71	-0.26	-0.06
Pre-Background Std Dev:	0.32	0.15	0.08	0.06
Observed Spike (mV):	38	21	10	4
Spike Mean (mV):	36.38	20.64	9.56	3.65
Spike Std Dev:	0.16	0.09	0.06	0.06
Observed Post-Background (mV):	-5	-2	-1	0
Post-Background Mean (mV):	-5.78	-3.12	-1.43	-0.56
Post-Background Std Dev:	0.16	0.09	0.06	0.06
Calculated Spike (mV):	**38.68**	**21.35**	**9.82**	**3.71**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc1_Ch1_Ch2.map

Static_0317qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0317qc1_Ch1_Ch2.map, CableShakePersonnel_0317qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/17/2011 2:26:40 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-0.36	-0.49	-0.19	-0.04
Pre-Background Std Dev:	0.39	0.12	0.07	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	40.28	20.84	9.67	3.73
Spike Std Dev:	0.37	0.12	0.07	0.06
Observed Post-Background (mV):	0	-1	0	0
Post-Background Mean (mV):	-0.22	-0.94	-0.39	-0.21
Post-Background Std Dev:	0.47	0.15	0.07	0.06
Calculated Spike (mV):	**40.64**	**21.33**	**9.86**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc2_Ch1_Ch2.map

Static_0317qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

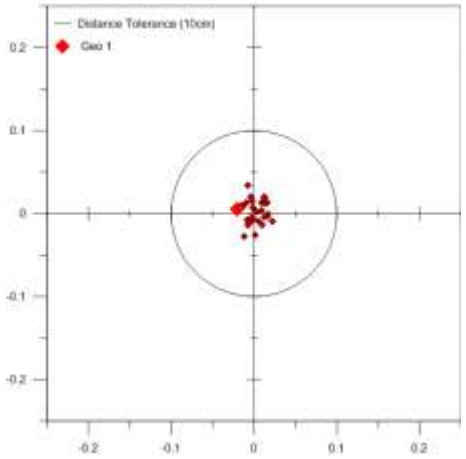
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/17/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.346
Measured Y:	4578717.975

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	27.5, 30	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	99.98	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.58	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Coverage

Dataset ID:	s0034	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0034	GPS_Quality_Ind.map	**Percent RTK Fix:**	98.08	%

Comments:

Lower GPS quality in the middle of line 10.

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0036	**Approximate Acreage:**	0.0665

Grids: s0036

Processing Date: 3/18/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:
Grid_S0036.map, Grid_S0036.pdf, Grid_S0036.tif, S0036.gdb, S0036.ply, S0036_Ch2_level_lg.grd, S0036_Processed.XYZ, S0036_Repeat.gdb, S0036_Repeat_L0.map, S0036_Repeat_L0.pdf, S0036_Repeat_L2.5.map, S0036_Repeat_L2.5.pdf, S0036_Repeat_Processed.XYZ, S0036_Targets.xls

Processing Comments:
No Targets Selected. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/17/2011 7:58:40 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0317IVS1	**Map ID:**	0317IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.49	36.67	21.32	10.89	9.786	0.10	Pass
Item 2	186.31	133.38	82.06	42.25	106.91	79.94	49.03	26.54	7.1311	0.04	Pass
Item 3	103.91	72.32	42.6	20.03	50.41	36.36	19.77	9.71	7.1822	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	111.65	82.75	51.81	28.01	14.466	0.14	Pass
Item 5	103.91	72.32	42.6	20.03	66.09	47.80	27.15	13.05	29.845	0.12	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/17/2011 7:44:32 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.3	-0.71	-0.26	-0.06
Pre-Background Std Dev:	0.32	0.15	0.08	0.06
Observed Spike (mV):	38	21	10	4
Spike Mean (mV):	36.38	20.64	9.56	3.65
Spike Std Dev:	0.16	0.09	0.06	0.06
Observed Post-Background (mV):	-5	-2	-1	0
Post-Background Mean (mV):	-5.78	-3.12	-1.43	-0.56
Post-Background Std Dev:	0.16	0.09	0.06	0.06
Calculated Spike (mV):	**38.68**	**21.35**	**9.82**	**3.71**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc1_Ch1_Ch2.map

Static_0317qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0317qc1_Ch1_Ch2.map, CableShakePersonnel_0317qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/17/2011 2:26:40 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-0.36	-0.49	-0.19	-0.04
Pre-Background Std Dev:	0.39	0.12	0.07	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	40.28	20.84	9.67	3.73
Spike Std Dev:	0.37	0.12	0.07	0.06
Observed Post-Background (mV):	0	-1	0	0
Post-Background Mean (mV):	-0.22	-0.94	-0.39	-0.21
Post-Background Std Dev:	0.47	0.15	0.07	0.06
Calculated Spike (mV):	**40.64**	**21.33**	**9.86**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc2_Ch1_Ch2.map

Static_0317qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

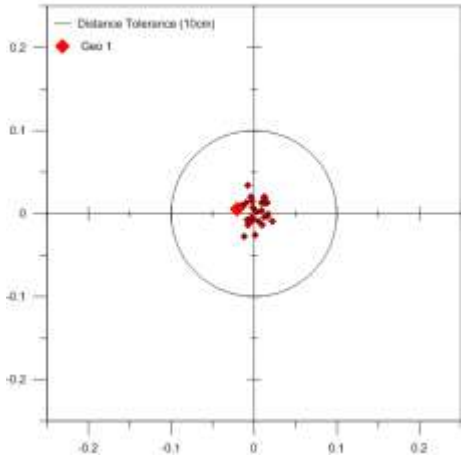
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/17/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.346
Measured Y:	4578717.975

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.02	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Coverage

Dataset ID:	s0036	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0036	GPS_Quality_Ind.map	**Percent RTK Fix:**	98.45	%

Comments:

Processing and Data Quality Report

Dataset ID:	s0037	**Approximate Acreage:**	0.0661

Grids: s0037

Processing Date:	3/18/2011
Processor:	Matt Parnell

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Processed Submittal Package**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

Processed Files:
Grid_S0037.map, Grid_S0037.pdf, Grid_S0037.tif, S0037.gdb, S0037.ply, S0037_Ch2_level_lg.grd, S0037_Processed.XYZ, S0037_Repeat.gdb, S0037_Repeat_L0.map, S0037_Repeat_L0.pdf, S0037_Repeat_L2.5.map, S0037_Repeat_L2.5.pdf, S0037_Repeat_Processed.XYZ, S0037_Targets.xls

Processing Comments:
No Targets Selected. Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/17/2011 7:58:40 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0317IVS1	**Map ID:**	0317IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.49	36.67	21.32	10.89	9.786	0.10	Pass
Item 2	186.31	133.38	82.06	42.25	106.91	79.94	49.03	26.54	7.1311	0.04	Pass
Item 3	103.91	72.32	42.6	20.03	50.41	36.36	19.77	9.71	7.1822	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	111.65	82.75	51.81	28.01	14.466	0.14	Pass
Item 5	103.91	72.32	42.6	20.03	66.09	47.80	27.15	13.05	29.845	0.12	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/17/2011 7:44:32 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.3	-0.71	-0.26	-0.06
Pre-Background Std Dev:	0.32	0.15	0.08	0.06
Observed Spike (mV):	38	21	10	4
Spike Mean (mV):	36.38	20.64	9.56	3.65
Spike Std Dev:	0.16	0.09	0.06	0.06
Observed Post-Background (mV):	-5	-2	-1	0
Post-Background Mean (mV):	-5.78	-3.12	-1.43	-0.56
Post-Background Std Dev:	0.16	0.09	0.06	0.06
Calculated Spike (mV):	**38.68**	**21.35**	**9.82**	**3.71**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc1_Ch1_Ch2.map

Static_0317qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0317qc1_Ch1_Ch2.map, CableShakePersonnel_0317qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/17/2011 2:26:40 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-0.36	-0.49	-0.19	-0.04
Pre-Background Std Dev:	0.39	0.12	0.07	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	40.28	20.84	9.67	3.73
Spike Std Dev:	0.37	0.12	0.07	0.06
Observed Post-Background (mV):	0	-1	0	0
Post-Background Mean (mV):	-0.22	-0.94	-0.39	-0.21
Post-Background Std Dev:	0.47	0.15	0.07	0.06
Calculated Spike (mV):	**40.64**	**21.33**	**9.86**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc2_Ch1_Ch2.map

Static_0317qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

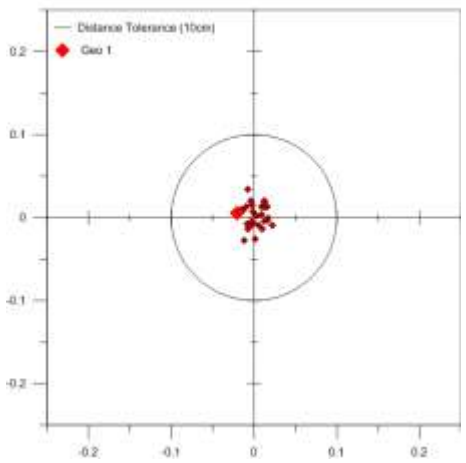
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/17/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.346
Measured Y:	4578717.975

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0,2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.2	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Coverage

Dataset ID:	s0037	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0037	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

Processing and Data Quality Report

Dataset ID:	s0038	**Approximate Acreage:**	0.0657

Grids: s0038

Processing Date: 3/18/2011

Processor: Matt Parnell

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag=3

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0038.map, Grid_S0038.pdf, Grid_S0038.tif, S0038.gdb, S0038.ply, S0038_Ch2_level_lg.grd, S0038_Processed.XYZ, S0038_Repeat.gdb, S0038_Repeat_L47.5.map, S0038_Repeat_L47.5.pdf, S0038_Repeat_L50.map, S0038_Repeat_L50.pdf, S0038_Repeat_Processed.XYZ, S0038_Targets.dbf, S0038_Targets.gdb, S0038_Targets.prj, S0038_Targets.sbn, S0038_Targets.sbx, S0038_Targets.shp, S0038_Targets.shx, S0038_Targets.xls

Processing Comments:

Grid corners were manually edited for this dataset.

Daily Tests

IVS

Date:	3/17/2011 7:58:40 AM	**Team ID**	Geo1	**Location:**	IVS2	**QC Status:**	Pass
Test Strip ID:	0317IVS1	**Map ID:**	0317IVS1.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	103.91	72.32	42.6	20.03	50.49	36.67	21.32	10.89	9.786	0.10	Pass
Item 2	186.31	133.38	82.06	42.25	106.91	79.94	49.03	26.54	7.1311	0.04	Pass
Item 3	103.91	72.32	42.6	20.03	50.41	36.36	19.77	9.71	7.1822	0.09	Pass
Item 4	186.31	133.38	82.06	42.25	111.65	82.75	51.81	28.01	14.466	0.14	Pass
Item 5	103.91	72.32	42.6	20.03	66.09	47.80	27.15	13.05	29.845	0.12	Pass

Field Comments:

IVS4

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/17/2011 7:44:32 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc1	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-2.3	-0.71	-0.26	-0.06
Pre-Background Std Dev:	0.32	0.15	0.08	0.06
Observed Spike (mV):	38	21	10	4
Spike Mean (mV):	36.38	20.64	9.56	3.65
Spike Std Dev:	0.16	0.09	0.06	0.06
Observed Post-Background (mV):	-5	-2	-1	0
Post-Background Mean (mV):	-5.78	-3.12	-1.43	-0.56
Post-Background Std Dev:	0.16	0.09	0.06	0.06
Calculated Spike (mV):	**38.68**	**21.35**	**9.82**	**3.71**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc1_Ch1_Ch2.map

Static_0317qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0317qc1_Ch1_Ch2.map, CableShakePersonnel_0317qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Ch4 Spike is within .75 mV

Static Repeatability

Date:	3/17/2011 2:26:40 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0317qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-1	0	0	0
Pre-Background Mean (mV):	-0.36	-0.49	-0.19	-0.04
Pre-Background Std Dev:	0.39	0.12	0.07	0.05
Observed Spike (mV):	40	21	10	4
Spike Mean (mV):	40.28	20.84	9.67	3.73
Spike Std Dev:	0.37	0.12	0.07	0.06
Observed Post-Background (mV):	0	-1	0	0
Post-Background Mean (mV):	-0.22	-0.94	-0.39	-0.21
Post-Background Std Dev:	0.47	0.15	0.07	0.06
Calculated Spike (mV):	**40.64**	**21.33**	**9.86**	**3.77**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0317qc2_Ch1_Ch2.map

Static_0317qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

Processing Comments:

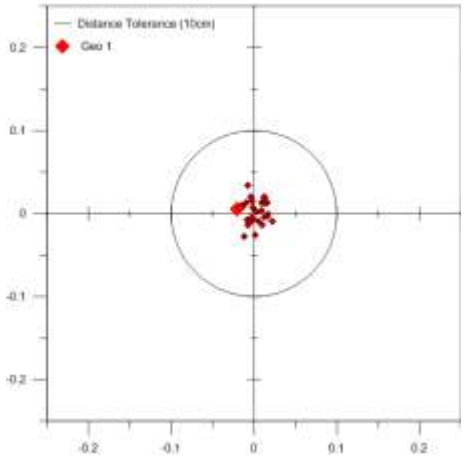
Ch4 Spike is within .75 mV

Geodetic Equipment Functionality (GPS Check)

Date	3/17/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.346
Measured Y:	4578717.975

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	47.5, 50	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.07

Comments:

Coverage

Dataset ID:	s0038	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0038	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	s0039	**Approximate Acreage:**	5.4771

Grids: s0039

Processing Date:	3/21/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:	Statistical Leveling Ch1 - 0/80/100 Ch2 - 0/75/100 Ch3 - 0/70/100 Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method:	Lag = 4 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	S0039_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0039.map, Grid_S0039.pdf, Grid_S0039.tif, S0039.gdb, S0039.ply, S0039_Ch2_level_lg.grd, S0039_Processed.XYZ, S0039_Repeat.gdb, S0039_Repeat_L0.map, S0039_Repeat_L0.pdf, S0039_Repeat_L2.5.map, S0039_Repeat_L2.5.pdf, S0039_Repeat_Processed.XYZ, S0039_Targets.dbf, S0039_Targets.gdb, S0039_Targets.prj, S0039_Targets.shp, S0039_Targets.shx, S0039_Targets.xls

Processing Comments:

Moderate noise throughout dataset. Low target density. The binary file for S0039 was corrupted and had to be converted using a different program which resulted in 3 less channels of data (Elevation, HDOP,Sat). The missing data does not affect the integrity or quality of the data since the GPS quality channel was unaffected.

Daily Tests

IVS

Date:	3/18/2011 7:49:08 AM	**Team ID:**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0318IVS	**Map ID:**	0318IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	165.66	119.60	68.83	34.61	17.751	0.12	Pass
Item 2	127.94	88.71	52.26	24.57	94.87	68.58	39.68	19.99	22.688	0.05	Pass
Item 3	175.7	125.8	77.4	39.8	140.89	104.68	61.52	33.33	16.789	0.22	Pass
Item 4	136.59	95.06	56	26.32	97.83	72.03	40.90	20.67	24.228	0.23	Pass
Item 5	32.04	23.58	13.34	5.25	36.43	26.71	15.46	6.26	13.282	0.17	Pass

Field Comments:

IVS1

Processing Comments:

Lag=4

Exception Notes:

Static Repeatability

Date:	3/18/2011 9:41:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0318qc1	**Location:**	poge	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	-1	0	0
Pre-Background Mean (mV):	-2.47	-0.73	-0.42	-0.24
Pre-Background Std Dev:	0.31	0.11	0.07	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.71	22.23	10.3	3.9
Spike Std Dev:	0.35	0.11	0.07	0.05
Observed Post-Background (mV):	-4	-1	0	0
Post-Background Mean (mV):	-4.03	-0.84	-0.44	-0.29
Post-Background Std Dev:	0.3	0.11	0.07	0.06
Calculated Spike (mV):	**40.18**	**22.96**	**10.72**	**4.14**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0318qc1_Ch1_Ch2.map

Static_0318qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0318qc1_Ch1_Ch2.map, CableShakePersonnel_0318qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/18/2011 2:35:06 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0318qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-0.77	-0.31	-0.17	0.02
Pre-Background Std Dev:	0.33	0.12	0.08	0.07
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.41	21.47	9.97	3.92
Spike Std Dev:	0.53	0.16	0.09	0.06
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-2	-0.61	-0.25	-0.06
Post-Background Std Dev:	0.26	0.1	0.06	0.06
Calculated Spike (mV):	**38.18**	**21.78**	**10.14**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0318qc2_Ch1_Ch2.map

Static_0318qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

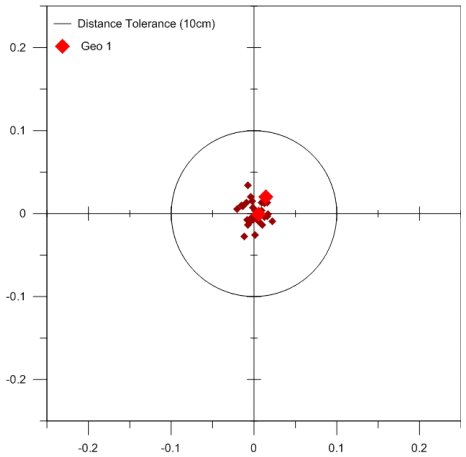
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/18/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.494
Measured Y:	4585746.998

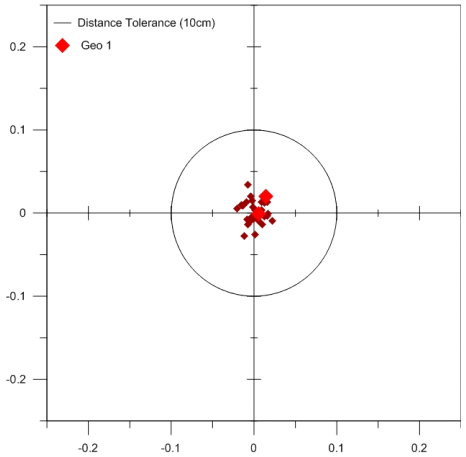
Field Comments:



Date:	3/18/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.408
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

One anomaly occurs on L2.51 that is not present on original line L2.5. Target was selected from repeat data with comment indicating its source.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass		
Min Separation:	0.01	**Max Separation:**	0.16	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Sample Speed

Percent Passing Points:	97.95					**QC Status:**	Pass
Min Speed:	0.14	**Max Speed:**	1.6	**Std Dev of Speed:**	0.22	**Mean Speed:**	1.05

Comments:

36% of failing points occur on repeat line L2.51.

Coverage

Dataset ID:	s0039	**Percent Coverage:**	99.94 %	**QC Status:**	Pass

Explanation of Gaps:

Small gap due to tree noted on grid map.

GPS Quality

Dataset ID:	s0039	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	s0041	**Approximate Acreage:**	6.9338

Grids: s0041

Processing Date: 3/21/2011

Processor: Cora Blits

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag = 3 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Minimum Curvature
Input Channel:	Ch2_level_lg
Output Grid:	S0041_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☐ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:
Grid_S0041.map, Grid_S0041.pdf, Grid_S0041.tif, S0041.gdb, S0041.ply, S0041_Ch2_level_lg.grd, S0041_Culture.ply, S0041_Processed.XYZ, S0041_Repeat.gdb, S0041_Repeat_L5.map, S0041_Repeat_L5.pdf, S0041_Repeat_L7.5.map, S0041_Repeat_L7.5.pdf, S0041_Repeat_Processed.XYZ, S0041_Targets.xls

Processing Comments:
No selected targets within the gridded area. Low noise throughout dataset. Moderately high drift, most pronounced in Channel 1, on L0, L2.5, L55 and L70.

Daily Tests

IVS

Date:	3/18/2011 7:49:08 AM	**Team ID:**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0318IVS	**Map ID:**	0318IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	165.66	119.60	68.83	34.61	17.751	0.12	Pass
Item 2	127.94	88.71	52.26	24.57	94.87	68.58	39.68	19.99	22.688	0.05	Pass
Item 3	175.7	125.8	77.4	39.8	140.89	104.68	61.52	33.33	16.789	0.22	Pass
Item 4	136.59	95.06	56	26.32	97.83	72.03	40.90	20.67	24.228	0.23	Pass
Item 5	32.04	23.58	13.34	5.25	36.43	26.71	15.46	6.26	13.282	0.17	Pass

Field Comments:

IVS1

Processing Comments:

Lag=4

Exception Notes:

Static Repeatability

Date:	3/18/2011 9:41:21 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0318qc1	**Location:**	poge	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	-1	0	0
Pre-Background Mean (mV):	-2.47	-0.73	-0.42	-0.24
Pre-Background Std Dev:	0.31	0.11	0.07	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.71	22.23	10.3	3.9
Spike Std Dev:	0.35	0.11	0.07	0.05
Observed Post-Background (mV):	-4	-1	0	0
Post-Background Mean (mV):	-4.03	-0.84	-0.44	-0.29
Post-Background Std Dev:	0.3	0.11	0.07	0.06
Calculated Spike (mV):	**40.18**	**22.96**	**10.72**	**4.14**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0318qc1_Ch1_Ch2.map

Static_0318qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0318qc1_Ch1_Ch2.map, CableShakePersonnel_0318qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/18/2011 2:35:06 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0318qc2	**Location:**	south beach	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-2	0	0	0
Pre-Background Mean (mV):	-0.77	-0.31	-0.17	0.02
Pre-Background Std Dev:	0.33	0.12	0.08	0.07
Observed Spike (mV):	40	22	10	4
Spike Mean (mV):	37.41	21.47	9.97	3.92
Spike Std Dev:	0.53	0.16	0.09	0.06
Observed Post-Background (mV):	-1	0	0	0
Post-Background Mean (mV):	-2	-0.61	-0.25	-0.06
Post-Background Std Dev:	0.26	0.1	0.06	0.06
Calculated Spike (mV):	**38.18**	**21.78**	**10.14**	**3.9**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0318qc2_Ch1_Ch2.map

Static_0318qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

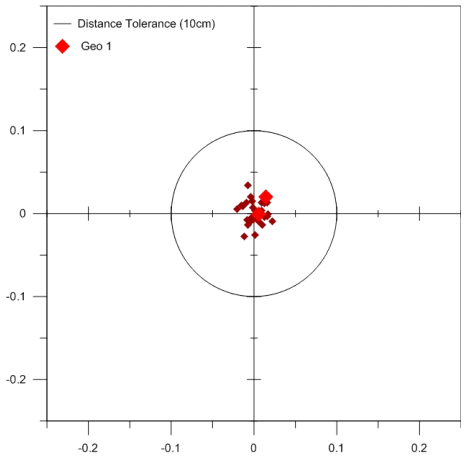
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/18/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.494
Measured Y:	4585746.998

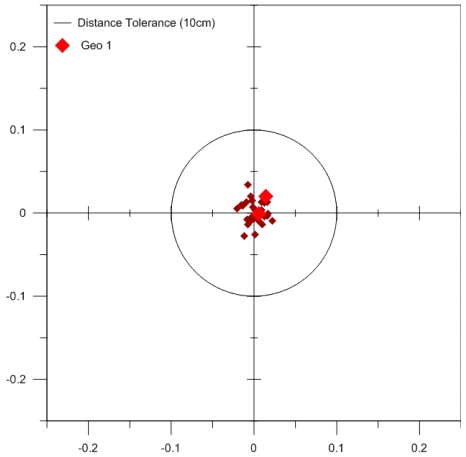
Field Comments:



Date:	3/18/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint6
Measured X:	377597.408
Measured Y:	4578878.496

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	5, 7.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.16	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.09

Comments:

Sample Speed

Percent Passing Points:	100					**QC Status:**	Pass
Min Speed:	0.02	**Max Speed:**	1.31	**Std Dev of Speed:**	0.2	**Mean Speed:**	0.89

Comments:

Coverage

Dataset ID:	s0041	**Percent Coverage:**	97.26 %	**QC Status:**	Pass

Explanation of Gaps:

Coverage was limited by dunes in the southeastern corner of the gridded area.

GPS Quality

Dataset ID:	s0041	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00	%

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	s0042	**Approximate Acreage:**	0.0556

Grids: s0042

Processing Date:	3/24/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:	Statistical Leveling Ch1 - 0/80/100 Ch2 - 0/75/100 Ch3 - 0/70/100 Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method:	Lag = 3 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	S0042_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0042.map, Grid_S0042.pdf, Grid_S0042.tif, S0042.gdb, S0042.ply, S0042_Ch2_level_lg.grd, S0042_Processed.XYZ, S0042_Repeat.gdb, S0042_Repeat_L2.5.map, S0042_Repeat_L2.5.pdf, S0042_Repeat_L5.map, S0042_Repeat_L5.pdf, S0042_Repeat_Processed.XYZ, S0042_Targets.dbf, S0042_Targets.gdb, S0042_Targets.prj, S0042_Targets.shp, S0042_Targets.shx, S0042_Targets.xls

Processing Comments:

Relatively low noise and target density throughout the dataset. Broad, relatively low amplitude area of elevated response between approximate eastings 373509-373526 and northings 4578566-4578570. This is a suspected geologic response and was leveld out through the use of a smaller window size and manual leveling. No culture noted within gridded area.

Daily Tests

IVS

Date:	3/23/2011 8:05:47 AM	**Team ID:**	Geo1	**Location:**	IVS1	**QC Status:**	Pass
Test Strip ID:	0323IVS	**Map ID:**	0323IVS.map			**Processor:**	James Hayslett

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	208.94	145.41	86.66	40.27	162.02	117.21	66.05	33.18	19.395	0.06	Pass
Item 2	127.94	88.71	52.26	24.57	94.03	66.94	39.15	19.45	24.543	0.14	Pass
Item 3	175.7	125.8	77.4	39.8	146.81	108.42	65.33	35.32	13.818	0.08	Pass
Item 4	136.59	95.06	56	26.32	102.13	72.83	42.18	21.25	23.386	0.03	Pass
Item 5	32.04	23.58	13.34	5.25	34.20	24.96	14.20	5.79	5.8712	0.24	Pass

Field Comments:

IVS1

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/23/2011 8:02:38 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0323qc1	**Location:**	poge	**Processor:**	James Hayslett

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	0.3	-0.03	0.02	-0.01
Pre-Background Std Dev:	0.36	0.11	0.06	0.06
Observed Spike (mV):	40	23	10	4
Spike Mean (mV):	37.27	21.27	9.91	3.83
Spike Std Dev:	0.4	0.13	0.08	0.06
Observed Post-Background (mV):	-2	0	0	0
Post-Background Mean (mV):	-1.83	-0.36	-0.08	0
Post-Background Std Dev:	0.39	0.12	0.06	0.06
Calculated Spike (mV):	**36.97**	**21.3**	**9.89**	**3.84**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Fail**

Test Item ID:

Item1

Static Rep Map ID: Static_0323qc1_Ch1_Ch2.map

Static_0323qc1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0323qc1_Ch1_Ch2.map, CableShakePersonnel_0323qc1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Channel 4 response within .75mV amplitudinal tolerance.

Static Repeatability

Date:	3/23/2011 3:03:07 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0323qc2	**Location:**	south beach	**Processor:**	James Hayslett

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	0	0	0	0
Pre-Background Mean (mV):	-0.09	0.23	-0.01	0.02
Pre-Background Std Dev:	0.46	0.14	0.07	0.06
Observed Spike (mV):	39	21	10	4
Spike Mean (mV):	38.5	22.5	10.24	3.89
Spike Std Dev:	0.56	0.16	0.08	0.05
Observed Post-Background (mV):	-2	0	0	0
Post-Background Mean (mV):	-1.98	0.48	0.22	0.21
Post-Background Std Dev:	0.36	0.12	0.06	0.05
Calculated Spike (mV):	**38.59**	**22.27**	**10.25**	**3.87**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0323qc2_Ch1_Ch2.map

Static_0323qc2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID: CableShakePersonnel_0323qc2_Ch1_Ch2.map, CableShakePersonnel_0323qc2_Ch3_Ch4.map

Field Comments:

Processing Comments:

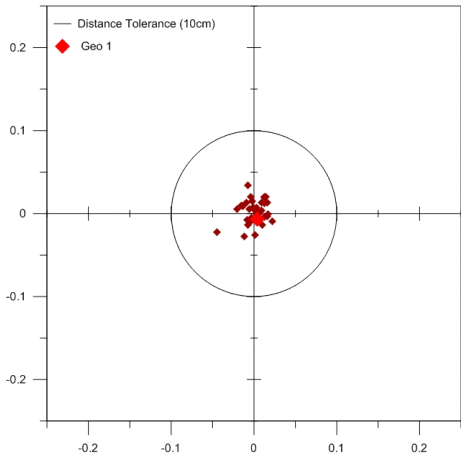
Channel 4 response within .75mV amplitudinal tolerance.

Geodetic Equipment Functionality (GPS Check)

Date:	3/23/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint1
Measured X:	378860.504
Measured Y:	4585747.025

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	2.5, 5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	s0042	**Percent Coverage:**	99.99 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	s0042	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	S0043	**Approximate Acreage:**	0.0560

Grids: S0043

Processing Date:	3/31/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:
Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag = 3 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	S0043_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☐ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:
Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0043.map, Grid_S0043.pdf, Grid_S0043.tif, S0043.gdb, S0043.ply, S0043_Ch2_level_lg.grd, S0043_Processed.XYZ, S0043_Repeat.gdb, S0043_Repeat_L0.map, S0043_Repeat_L0.pdf, S0043_Repeat_L2.5.map, S0043_Repeat_L2.5.pdf, S0043_Repeat_Processed.XYZ, S0043_Targets.xls

Processing Comments:

Low noise throughout gridded area. No culture noted within grid boundary. No selected targets.

Daily Tests

IVS

Date:	3/30/2011 10:10:07 AM	**Team ID:**	Geo1	**Location:**	IVS3	**QC Status:**	Pass
Test Strip ID:	0330IVS	**Map ID:**	0330IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	194.41	135.3	79.71	34.47	179.61	130.74	73.55	37.88	3.3724	0.08	Pass
Item 2	579.7	415	255.3	131.4	504.78	375.21	221.89	119.69	9.5868	0.08	Pass
Item 3	97.16	67.62	39.84	18.73	75.31	54.34	29.82	15.36	19.632	0.04	Pass
Item 4	186.3	133.4	82.1	42.3	154.24	114.30	69.46	37.36	14.317	0.05	Pass
Item 5	180.98	125.95	74.2	34.88	132.38	94.51	52.72	25.21	24.965	0.16	Pass

Field Comments:

IVS3

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/30/2011 10:00:41 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC1	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.6	-0.77	-0.24	-0.04
Pre-Background Std Dev:	0.28	0.09	0.06	0.05
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.67	21.89	10.28	3.97
Spike Std Dev:	0.38	0.11	0.07	0.06
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.21	-1.17	-0.35	-0.08
Post-Background Std Dev:	0.32	0.11	0.06	0.06
Calculated Spike (mV):	**40.27**	**22.66**	**10.52**	**4.01**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC1_Ch1_Ch2.map

Static_0330QC1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0330QC1_Ch1_Ch2.map, CableShakePersonnel_0330QC1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/30/2011 5:20:51 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC2	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.64	-0.39	0.02	0.16
Pre-Background Std Dev:	0.23	0.08	0.06	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.39	22.52	10.63	4.16
Spike Std Dev:	0.3	0.12	0.07	0.06
Observed Post-Background (mV):	-6	-1	0	0
Post-Background Mean (mV):	-6.35	-0.87	-0.17	-0.05
Post-Background Std Dev:	0.27	0.1	0.07	0.06
Calculated Spike (mV):	**39.03**	**22.91**	**10.61**	**4**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID: Static_0330QC2_Ch1_Ch2.map

Static_0330QC2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

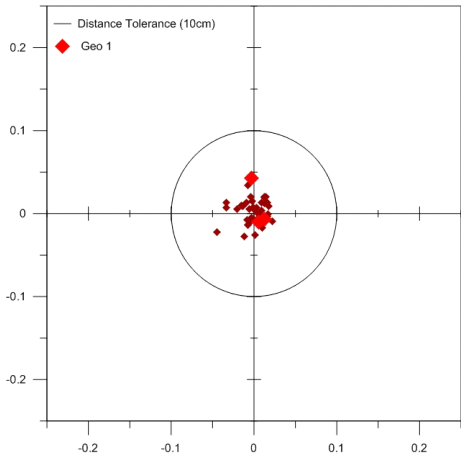
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint5
Measured X:	362775.703
Measured Y:	4578862.771

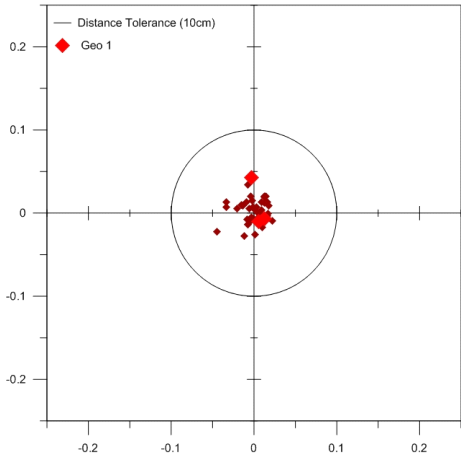
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.32
Measured Y:	4578717.99

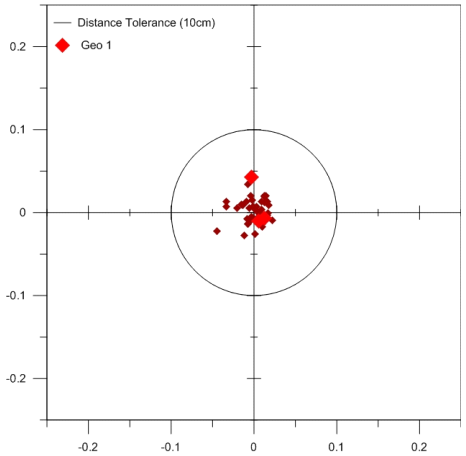
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint4
Measured X:	361191.965
Measured Y:	4578818.594

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.11

Comments:

Coverage

Dataset ID:	S0043	**Percent Coverage:**	99.99 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	S0043	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	S0044	**Approximate Acreage:**	0.0567

Grids: S0044

Processing Date:	3/31/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:	Statistical Leveling Ch1 - 0/80/100 Ch2 - 0/75/100 Ch3 - 0/70/100 Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method:	Lag = 3 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	S0044_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☐ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0044.map, Grid_S0044.pdf, Grid_S0044.tif, S0044.gdb, S0044.ply, S0044_Ch2_level_lg.grd, S0044_Processed.XYZ, S0044_Repeat.gdb, S0044_Repeat_L0.map, S0044_Repeat_L0.pdf, S0044_Repeat_L2.5.map, S0044_Repeat_L2.5.pdf, S0044_Repeat_Processed.XYZ, S0044_Targets.xls

Processing Comments:

Relatively low noise. No culture noted witihn grid boundary. No selected targets.

Daily Tests

IVS

Date:	3/30/2011 10:10:07 AM	**Team ID:**	Geo1	**Location:**	IVS3	**QC Status:**	Pass
Test Strip ID:	0330IVS	**Map ID:**	0330IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	194.41	135.3	79.71	34.47	179.61	130.74	73.55	37.88	3.3724	0.08	Pass
Item 2	579.7	415	255.3	131.4	504.78	375.21	221.89	119.69	9.5868	0.08	Pass
Item 3	97.16	67.62	39.84	18.73	75.31	54.34	29.82	15.36	19.632	0.04	Pass
Item 4	186.3	133.4	82.1	42.3	154.24	114.30	69.46	37.36	14.317	0.05	Pass
Item 5	180.98	125.95	74.2	34.88	132.38	94.51	52.72	25.21	24.965	0.16	Pass

Field Comments:

IVS3

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/30/2011 10:00:41 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC1	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.6	-0.77	-0.24	-0.04
Pre-Background Std Dev:	0.28	0.09	0.06	0.05
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.67	21.89	10.28	3.97
Spike Std Dev:	0.38	0.11	0.07	0.06
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.21	-1.17	-0.35	-0.08
Post-Background Std Dev:	0.32	0.11	0.06	0.06
Calculated Spike (mV):	**40.27**	**22.66**	**10.52**	**4.01**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC1_Ch1_Ch2.map

Static_0330QC1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0330QC1_Ch1_Ch2.map, CableShakePersonnel_0330QC1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/30/2011 5:20:51 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC2	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.64	-0.39	0.02	0.16
Pre-Background Std Dev:	0.23	0.08	0.06	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.39	22.52	10.63	4.16
Spike Std Dev:	0.3	0.12	0.07	0.06
Observed Post-Background (mV):	-6	-1	0	0
Post-Background Mean (mV):	-6.35	-0.87	-0.17	-0.05
Post-Background Std Dev:	0.27	0.1	0.07	0.06
Calculated Spike (mV):	**39.03**	**22.91**	**10.61**	**4**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC2_Ch1_Ch2.map

Static_0330QC2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

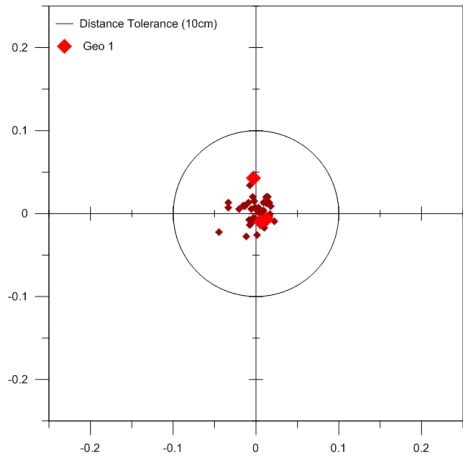
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint5
Measured X:	362775.703
Measured Y:	4578862.771

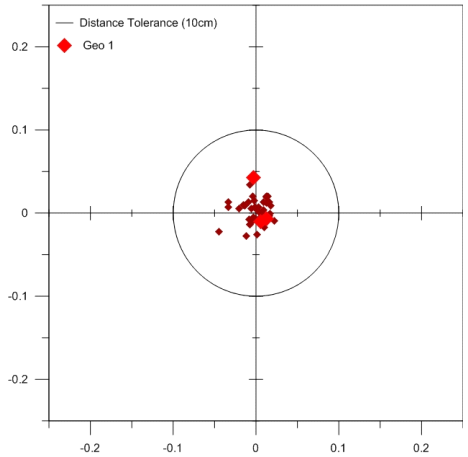
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.32
Measured Y:	4578717.99

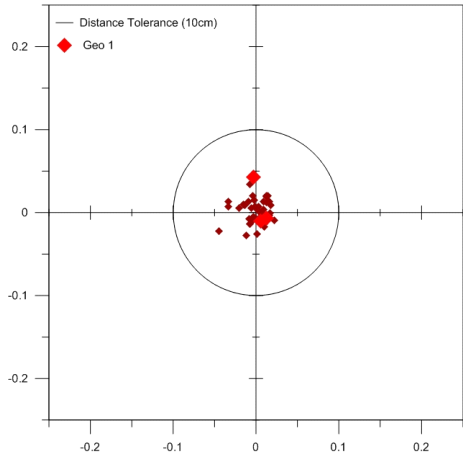
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint4
Measured X:	361191.965
Measured Y:	4578818.594

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0.01	**Max Separation:**	0.14	**Std Dev of Separation:**	0.02
Mean Separation:	0.1				

Comments:

Coverage

Dataset ID:	S0044	**Percent Coverage:**	100.00 %	**QC Status:**	Pass

Explanation of Gaps:

GPS Quality

Dataset ID:	S0044	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	S0045	**Approximate Acreage:**	0.0577

Grids: S0045

Processing Date:	3/31/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method:

Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag = 3 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☑ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	S0045_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

☑ **Processed Submittal Package**

Processed Files:

Grid_S0045.map, Grid_S0045.pdf, Grid_S0045.tif, S0045.gdb, S0045.ply, S0045_Ch2_level_lg.grd, S0045_Culture.ply, S0045_Processed.XYZ, S0045_Repeat.gdb, S0045_Repeat_L0.map, S0045_Repeat_L0.pdf, S0045_Repeat_L2.5.map, S0045_Repeat_L2.5.pdf, S0045_Repeat_Processed.XYZ, S0045_Targets.dbf, S0045_Targets.gdb, S0045_Targets.prj, S0045_Targets.shp, S0045_Targets.shx, S0045_Targets.xls

Processing Comments:

Relatively low noise. Moderate target density with the majority of anomalies forming three distinct clusters.

Daily Tests

IVS

Date:	3/30/2011 10:10:07 AM	**Team ID:**	Geo1	**Location:**	IVS3	**QC Status:**	Pass
Test Strip ID:	0330IVS	**Map ID:**	0330IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	194.41	135.3	79.71	34.47	179.61	130.74	73.55	37.88	3.3724	0.08	Pass
Item 2	579.7	415	255.3	131.4	504.78	375.21	221.89	119.69	9.5868	0.08	Pass
Item 3	97.16	67.62	39.84	18.73	75.31	54.34	29.82	15.36	19.632	0.04	Pass
Item 4	186.3	133.4	82.1	42.3	154.24	114.30	69.46	37.36	14.317	0.05	Pass
Item 5	180.98	125.95	74.2	34.88	132.38	94.51	52.72	25.21	24.965	0.16	Pass

Field Comments:

IVS3

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/30/2011 10:00:41 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC1	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.6	-0.77	-0.24	-0.04
Pre-Background Std Dev:	0.28	0.09	0.06	0.05
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.67	21.89	10.28	3.97
Spike Std Dev:	0.38	0.11	0.07	0.06
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.21	-1.17	-0.35	-0.08
Post-Background Std Dev:	0.32	0.11	0.06	0.06
Calculated Spike (mV):	**40.27**	**22.66**	**10.52**	**4.01**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC1_Ch1_Ch2.map

Static_0330QC1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0330QC1_Ch1_Ch2.map, CableShakePersonnel_0330QC1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/30/2011 5:20:51 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC2	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.64	-0.39	0.02	0.16
Pre-Background Std Dev:	0.23	0.08	0.06	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.39	22.52	10.63	4.16
Spike Std Dev:	0.3	0.12	0.07	0.06
Observed Post-Background (mV):	-6	-1	0	0
Post-Background Mean (mV):	-6.35	-0.87	-0.17	-0.05
Post-Background Std Dev:	0.27	0.1	0.07	0.06
Calculated Spike (mV):	**39.03**	**22.91**	**10.61**	**4**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:
Item1

Static Rep Map ID: Static_0330QC2_Ch1_Ch2.map

Static_0330QC2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

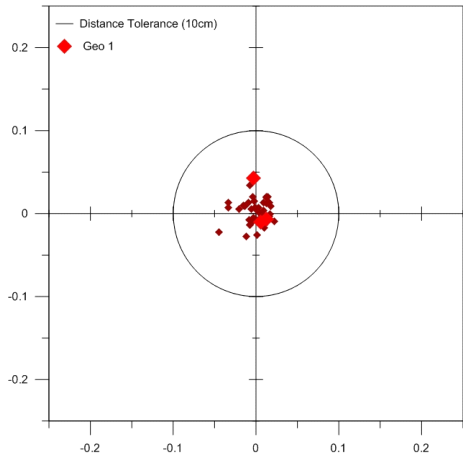
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint5
Measured X:	362775.703
Measured Y:	4578862.771

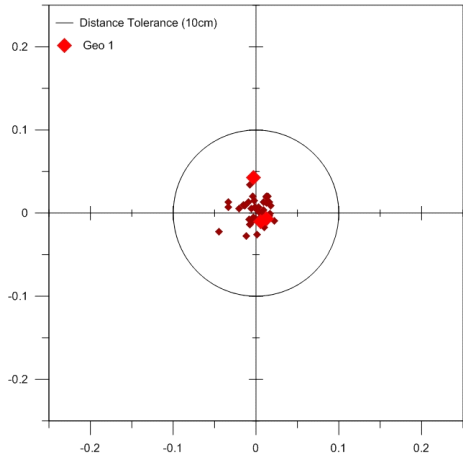
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.32
Measured Y:	4578717.99

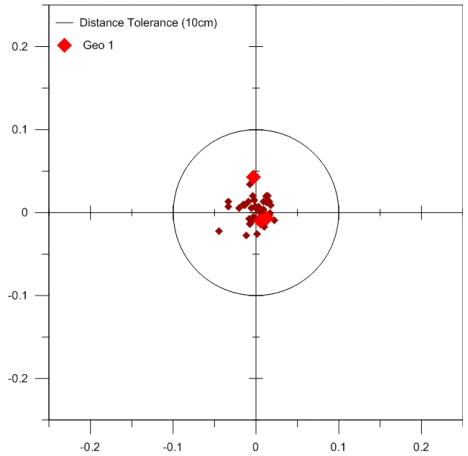
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint4
Measured X:	361191.965
Measured Y:	4578818.594

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Repeatable	**QC Status:**	Pass

Comments:

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.15	**Std Dev of Separation:**	0.02	**Mean Separation:**	0.1

Comments:

Coverage

Dataset ID:	S0045	**Percent Coverage:**	98.78 %	**QC Status:**	Pass

Explanation of Gaps:

Gap caused by bush near northern grid boundary.

GPS Quality

Dataset ID:	S0045	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %

Comments:

Project ID: N10UXB001

Martha's Vineyard

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Processing and Data Quality Report

Dataset ID:	S0046	**Approximate Acreage:**	0.0625

Grids: S0046

Processing Date:	3/31/2011
Processor:	Cora Blits

☑ **Leveling Correction**

Leveling Method: Statistical Leveling
Ch1 - 0/80/100
Ch2 - 0/75/100
Ch3 - 0/70/100
Ch4 - 0/65/100

☑ **Latency Correction**

Latency Method: Lag = 4 fiducials

☐ **Additional Filtering**

Additional Filtering Description:

☐ **Gaps/Culture Noted**

☐ **Base Station Correction**

☑ **Processed Submittal Package**

Processed Files:

Grid_S0046.map, Grid_S0046.pdf, Grid_S0046.tif, S0046.gdb, S0046.ply, S0046_Ch2_level_lg.grd, S0046_Processed.XYZ, S0046_Repeat.gdb, S0046_Repeat_L0.map, S0046_Repeat_L0.pdf, S0046_Repeat_L2.5.map, S0046_Repeat_L2.5.pdf, S0046_Repeat_Processed.XYZ, S0046_Targets.dbf, S0046_Targets.gdb, S0046_Targets.prj, S0046_Targets.shp, S0046_Targets.shx, S0046_Targets.xls

☑ **Data Gridded**

Gridding Process:	Kriging
Input Channel:	Ch2_level_lg
Output Grid:	S0046_Ch2_level_lg.grd
Grid Cellsize:	0.15
Blanking Distance:	0.60

Other Parameters:

☑ **Targets Selected** ☐ **Polygon Targets**

Target Selection Criteria:

Channel 2 at 3 mV

Processing Comments:

Low noise and relatively low target density. No culture noted within the grid area. Target S00460003 was selected from a peak on a repeat line that was not duplicated on the original line. Target list comments indicate this along with the possibility that the targeted anomaly may be a data spike.

Daily Tests

IVS

Date:	3/30/2011 10:10:07 AM	**Team ID:**	Geo1	**Location:**	IVS3	**QC Status:**	Pass
Test Strip ID:	0330IVS	**Map ID:**	0330IVS.map			**Processor:**	Matt Parnell

	Ideal Response				Measured Response				% Amp Difference	Positioning Offset	QC Status
	Ch 1	Ch 2	Ch 3	Ch 4	Ch 1	Ch 2	Ch 3	Ch 4			
Item 1	194.41	135.3	79.71	34.47	179.61	130.74	73.55	37.88	3.3724	0.08	Pass
Item 2	579.7	415	255.3	131.4	504.78	375.21	221.89	119.69	9.5868	0.08	Pass
Item 3	97.16	67.62	39.84	18.73	75.31	54.34	29.82	15.36	19.632	0.04	Pass
Item 4	186.3	133.4	82.1	42.3	154.24	114.30	69.46	37.36	14.317	0.05	Pass
Item 5	180.98	125.95	74.2	34.88	132.38	94.51	52.72	25.21	24.965	0.16	Pass

Field Comments:

IVS3

Processing Comments:

Exception Notes:

Static Repeatability

Date:	3/30/2011 10:00:41 AM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC1	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.6	-0.77	-0.24	-0.04
Pre-Background Std Dev:	0.28	0.09	0.06	0.05
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	37.67	21.89	10.28	3.97
Spike Std Dev:	0.38	0.11	0.07	0.06
Observed Post-Background (mV):	-3	-1	0	0
Post-Background Mean (mV):	-4.21	-1.17	-0.35	-0.08
Post-Background Std Dev:	0.32	0.11	0.06	0.06
Calculated Spike (mV):	**40.27**	**22.66**	**10.52**	**4.01**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC1_Ch1_Ch2.map

Static_0330QC1_Ch3_Ch4.map

Cable Shake Test Performed: ☑ **Personnel Test Performed:** ☑

Cable Shake Test Acceptable: ☑ **Personnel Test Acceptable:** ☑

Cable Shake and Personnel Map ID: CableShakePersonnel_0330QC1_Ch1_Ch2.map, CableShakePersonnel_0330QC1_Ch3_Ch4.map

Field Comments:

Processing Comments:

Static Repeatability

Date:	3/30/2011 5:20:51 PM	**Team ID:**	Geo1	**QC Status:**	Pass
Static ID:	0330QC2	**Location:**	Tisbury	**Processor:**	Matt Parnell

	Channel 1	Channel2	Channel 3	Channel 4
Observed Pre-Background (mV):	-3	0	0	0
Pre-Background Mean (mV):	-2.64	-0.39	0.02	0.16
Pre-Background Std Dev:	0.23	0.08	0.06	0.06
Observed Spike (mV):	38	22	10	4
Spike Mean (mV):	36.39	22.52	10.63	4.16
Spike Std Dev:	0.3	0.12	0.07	0.06
Observed Post-Background (mV):	-6	-1	0	0
Post-Background Mean (mV):	-6.35	-0.87	-0.17	-0.05
Post-Background Std Dev:	0.27	0.1	0.07	0.06
Calculated Spike (mV):	**39.03**	**22.91**	**10.61**	**4**
Expected Value (mV):	**40.42**	**22.4**	**10.83**	**4.28**
QC Status:	**Pass**	**Pass**	**Pass**	**Pass**

Test Item ID:

Item1

Static Rep Map ID: Static_0330QC2_Ch1_Ch2.map

Static_0330QC2_Ch3_Ch4.map

Cable Shake Test Performed: ☐ **Personnel Test Performed:** ☐

Cable Shake Test Acceptable: ☐ **Personnel Test Acceptable:** ☐

Cable Shake and Personnel Map ID:

Field Comments:

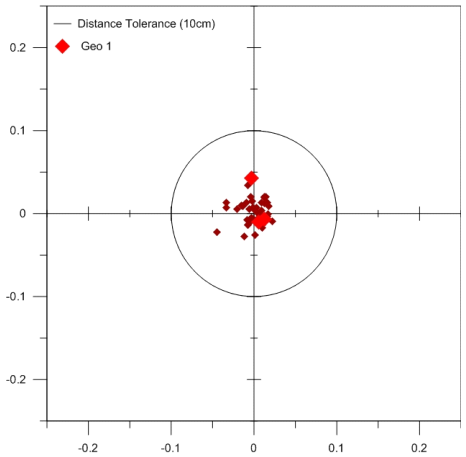
Processing Comments:

Geodetic Equipment Functionality (GPS Check)

Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint5
Measured X:	362775.703
Measured Y:	4578862.771

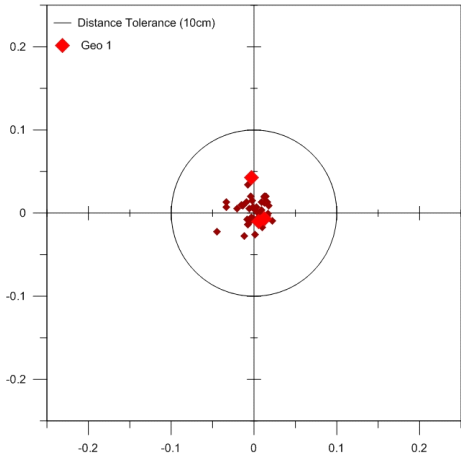
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint3
Measured X:	372094.32
Measured Y:	4578717.99

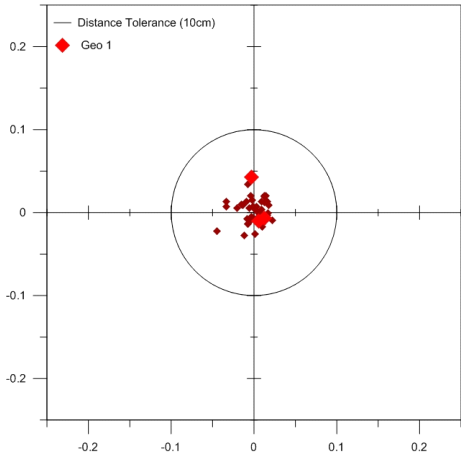
Field Comments:



Date:	3/30/2011	**Team ID:**	Geo1	**QC Status:**	Pass

Point ID:	ControlPoint4
Measured X:	361191.965
Measured Y:	4578818.594

Field Comments:



Dataset Performance Requirements Tests

Repeat Lines

Repeat Lines:	0, 2.5	**Repeatability:**	Moderately Repeatable	**QC Status:**	Pass

Comments:

Peak on repeat line L0.1 that does not occur on original L0. This peak was targeted with a comment in the target list that it was selected from the repeat line.

Sample Separation

Percent Passing Points:	100	**Percent Pass 2ft:**	100	**QC Status:**	Pass
Min Separation:	0	**Max Separation:**	0.12	**Std Dev of Separation:**	0.01
Mean Separation:	0.09				

Comments:

Coverage

Dataset ID:	S0046	**Percent Coverage:**	99.99 %	**QC Status:**	Pass

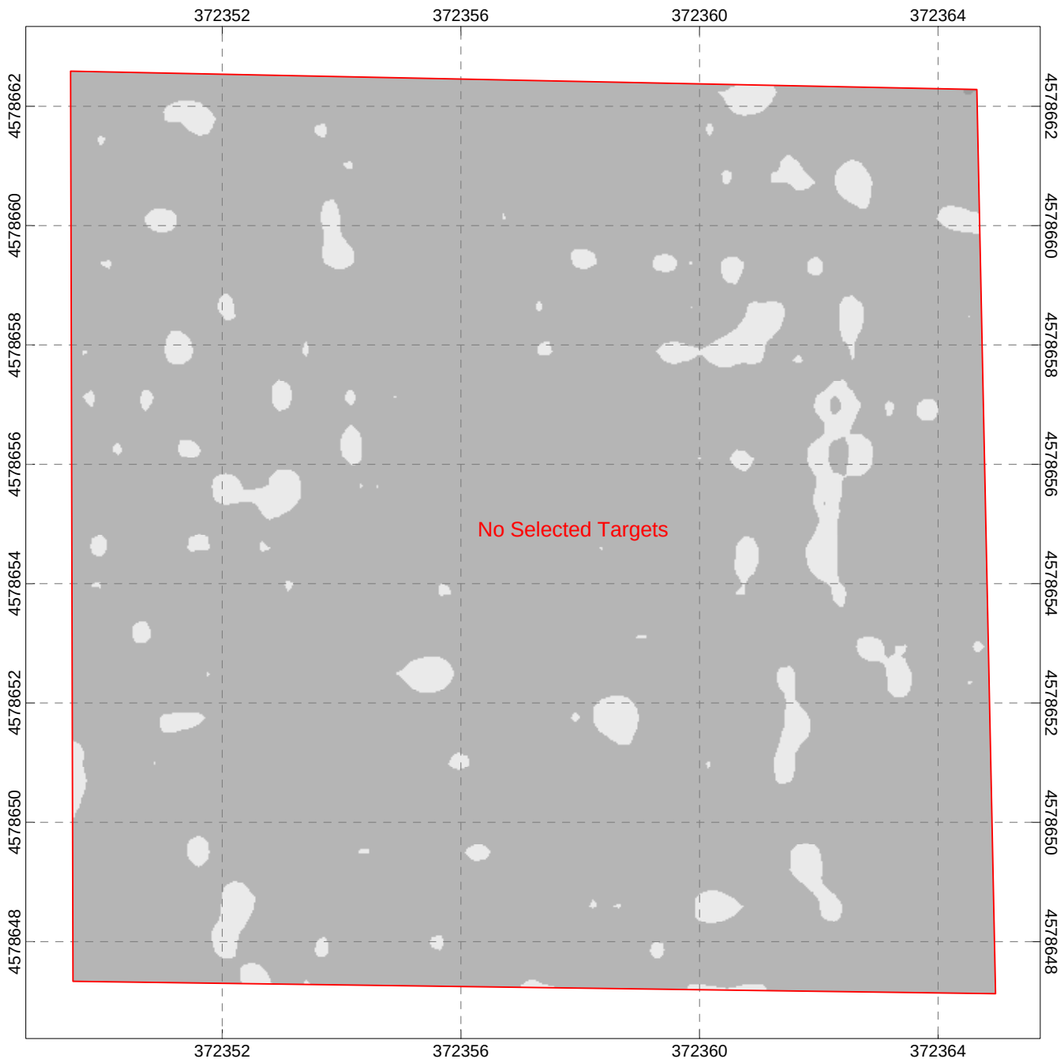
Explanation of Gaps:

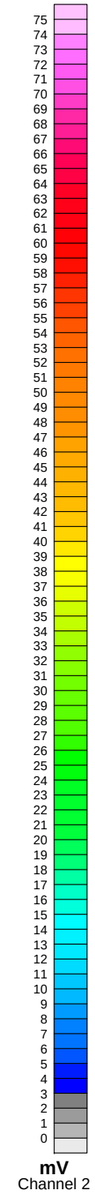
GPS Quality

Dataset ID:	S0046	GPS_Quality_Ind.map	**Percent RTK Fix:**	100.00 %	

Comments:

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0002XXXX, eg. S00020002)

Scale 1:100

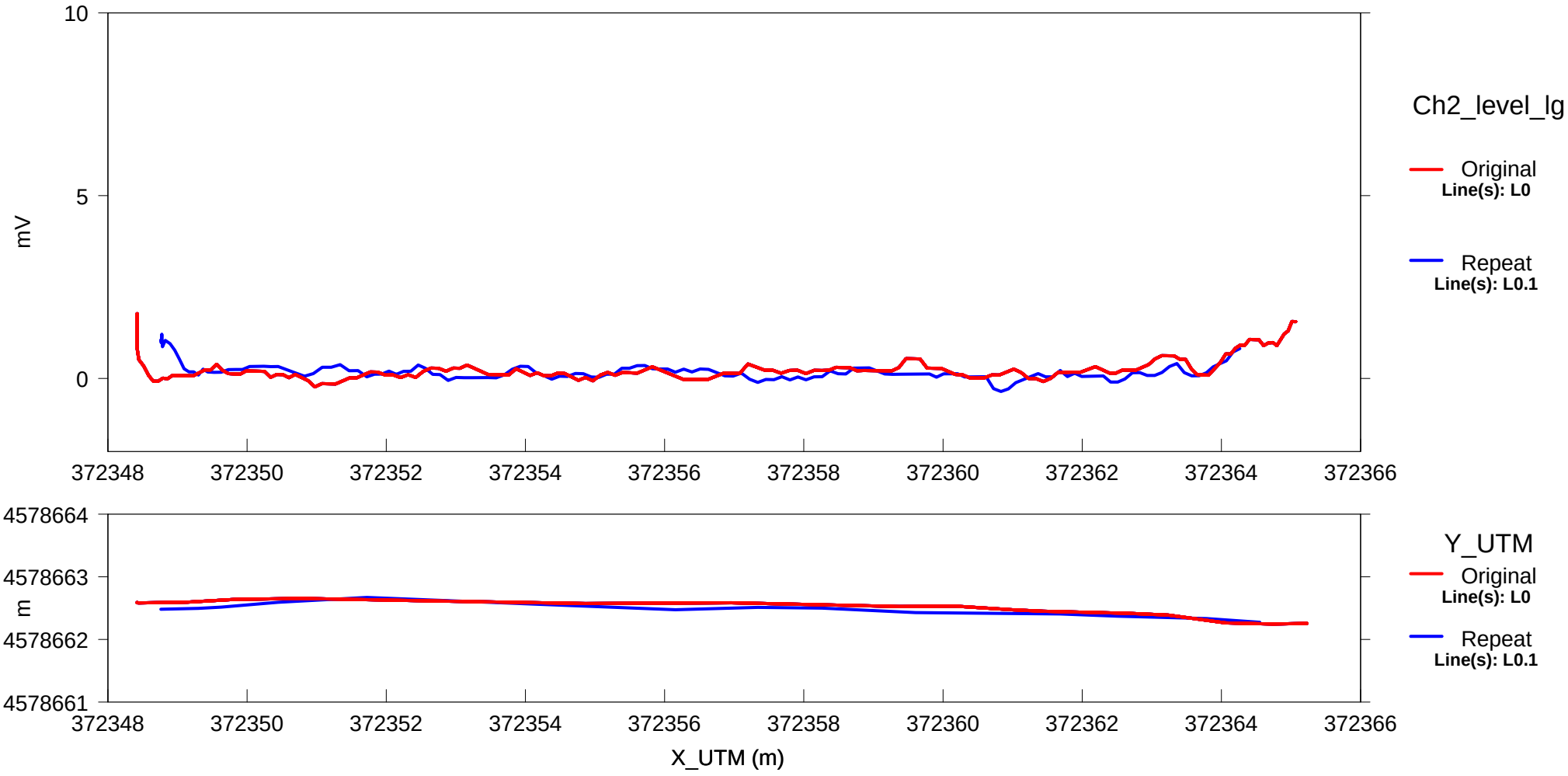
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0002
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

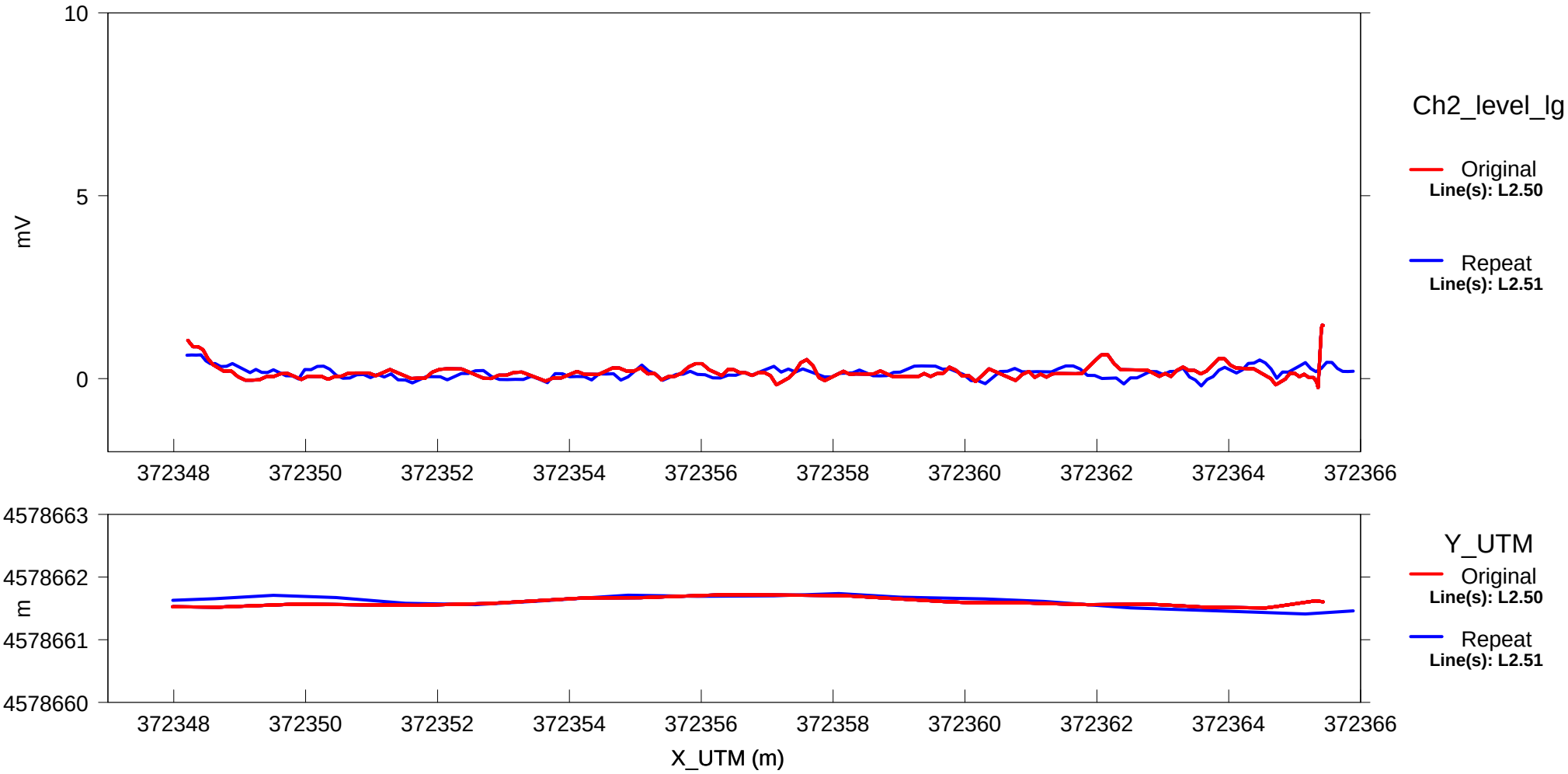
Date of Map Creation: 03/03/2011
Date of Survey: 03/02/2011

S0002 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0002_Repeat.gdb

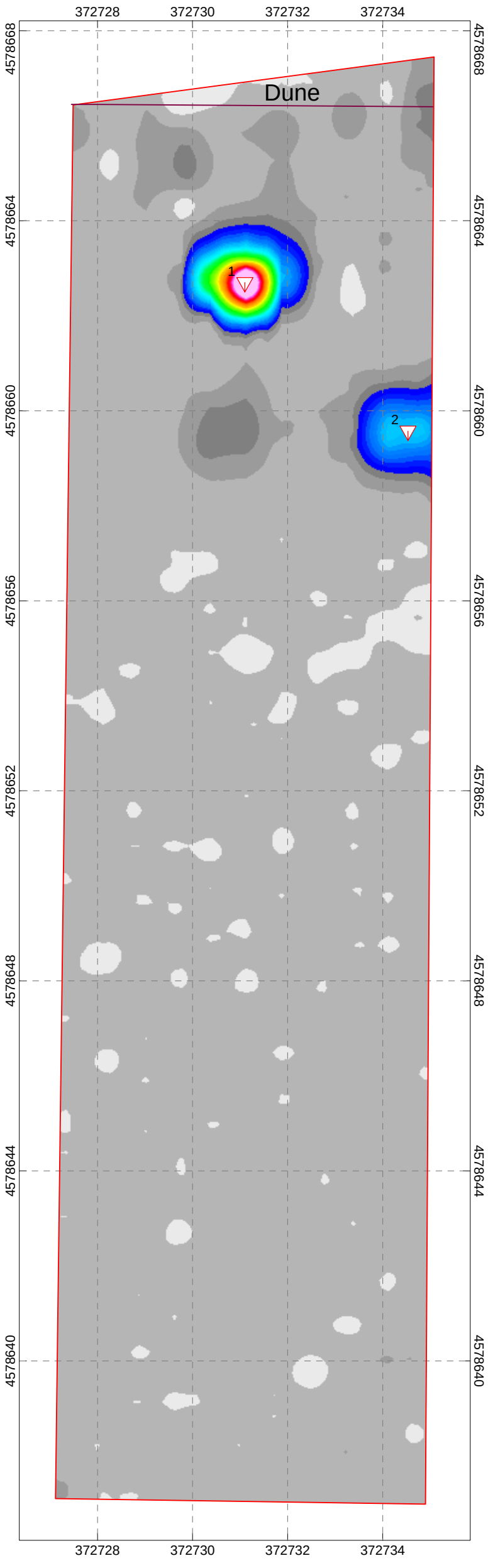
S0002 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

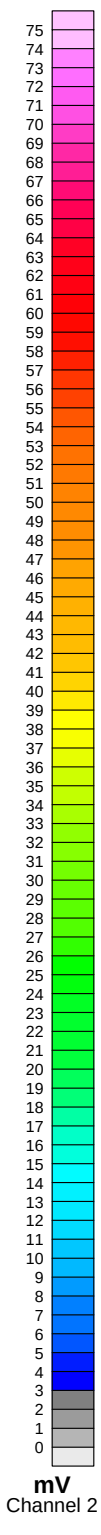


Database: S0002_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0002	S0002	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target
  (See Target List For Response and Location)
  (Unique Target ID is S0004XXXX, eg. S00040002)

N

Scale 1:100

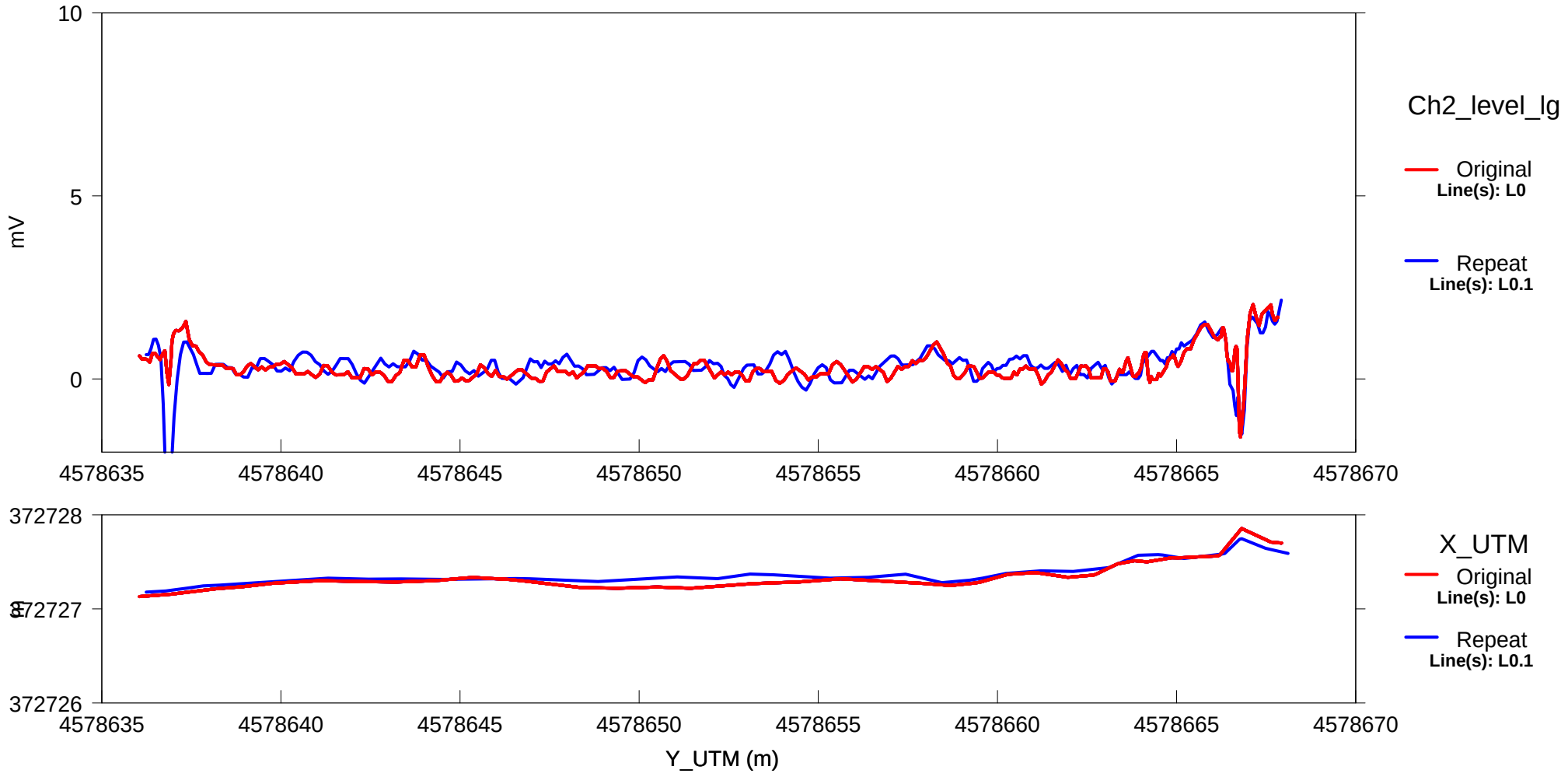
1 0 1 2 3 4
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0004
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

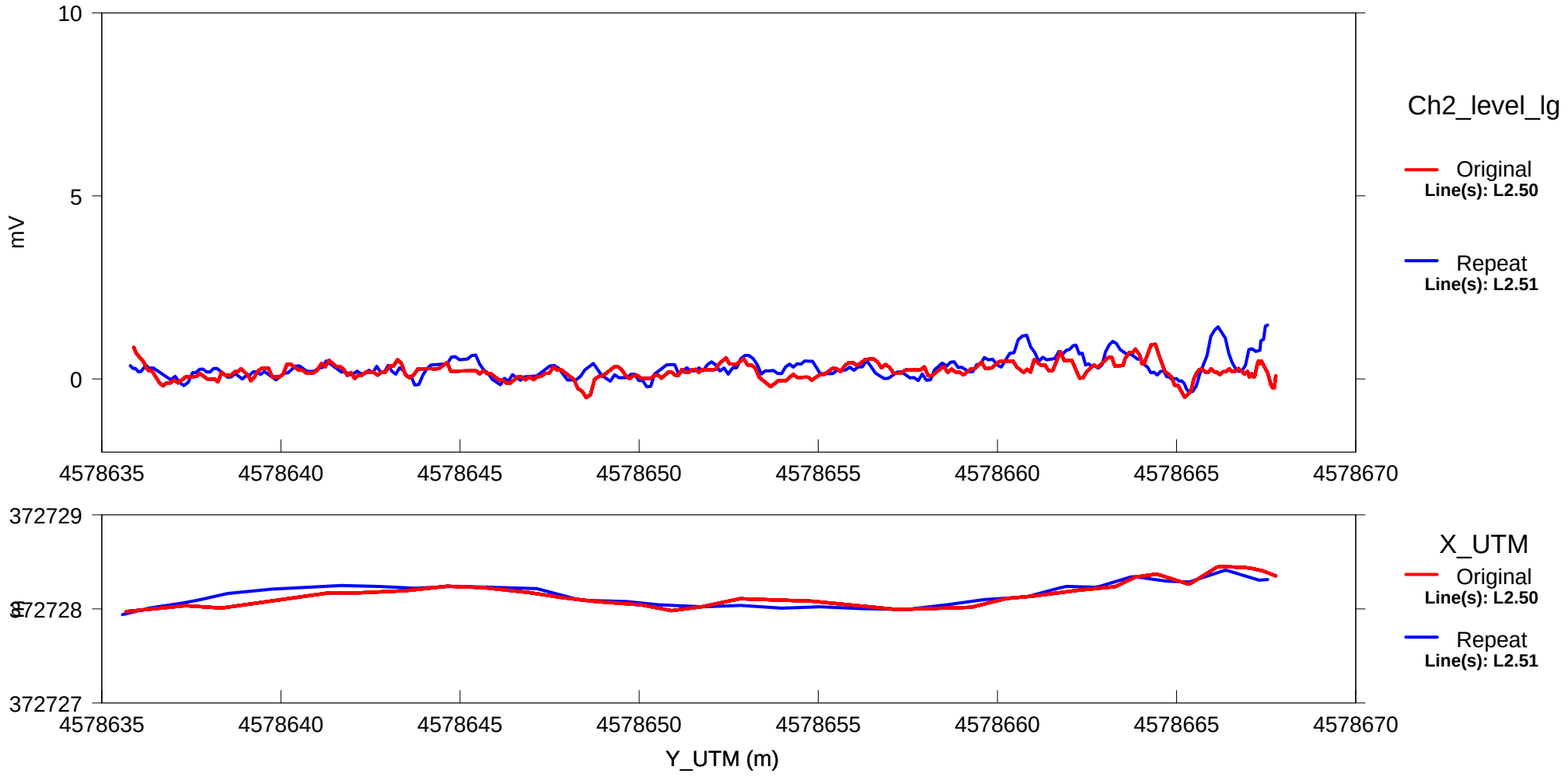
Date of Map Creation: 03/03/2011
Date of Survey: 03/02/2011

S0004 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0004_Repeat.gdb

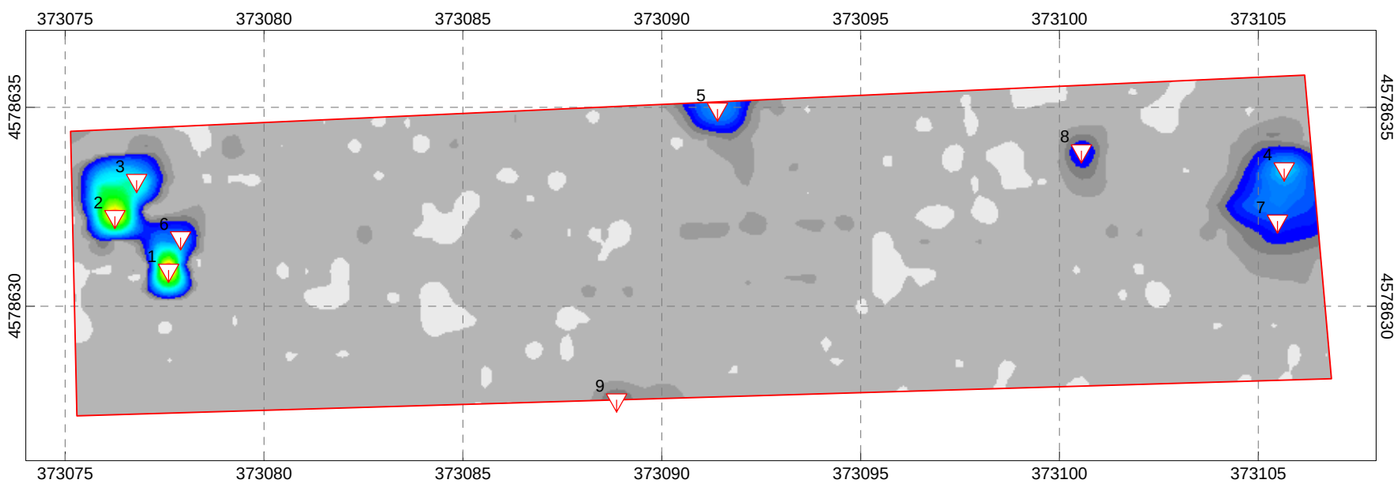
S0004 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

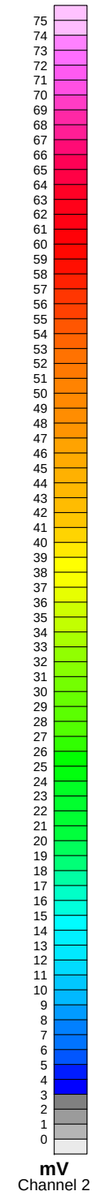


Database: S0004_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0004	S0004	S00040001	372731.1	4578663	154.7004	113.6119	69.99406	36.16392	0	0	
N10UXB0001	S0004	S0004	S00040002	372734.5	4578660	21.37403	10.20048	2.643474	0.396726	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target (See Target List For Response and Location) (Unique Target ID is S0005XXXX, eg. S00050002)

Scale 1:150

2.5 0 2.5 5 7.5

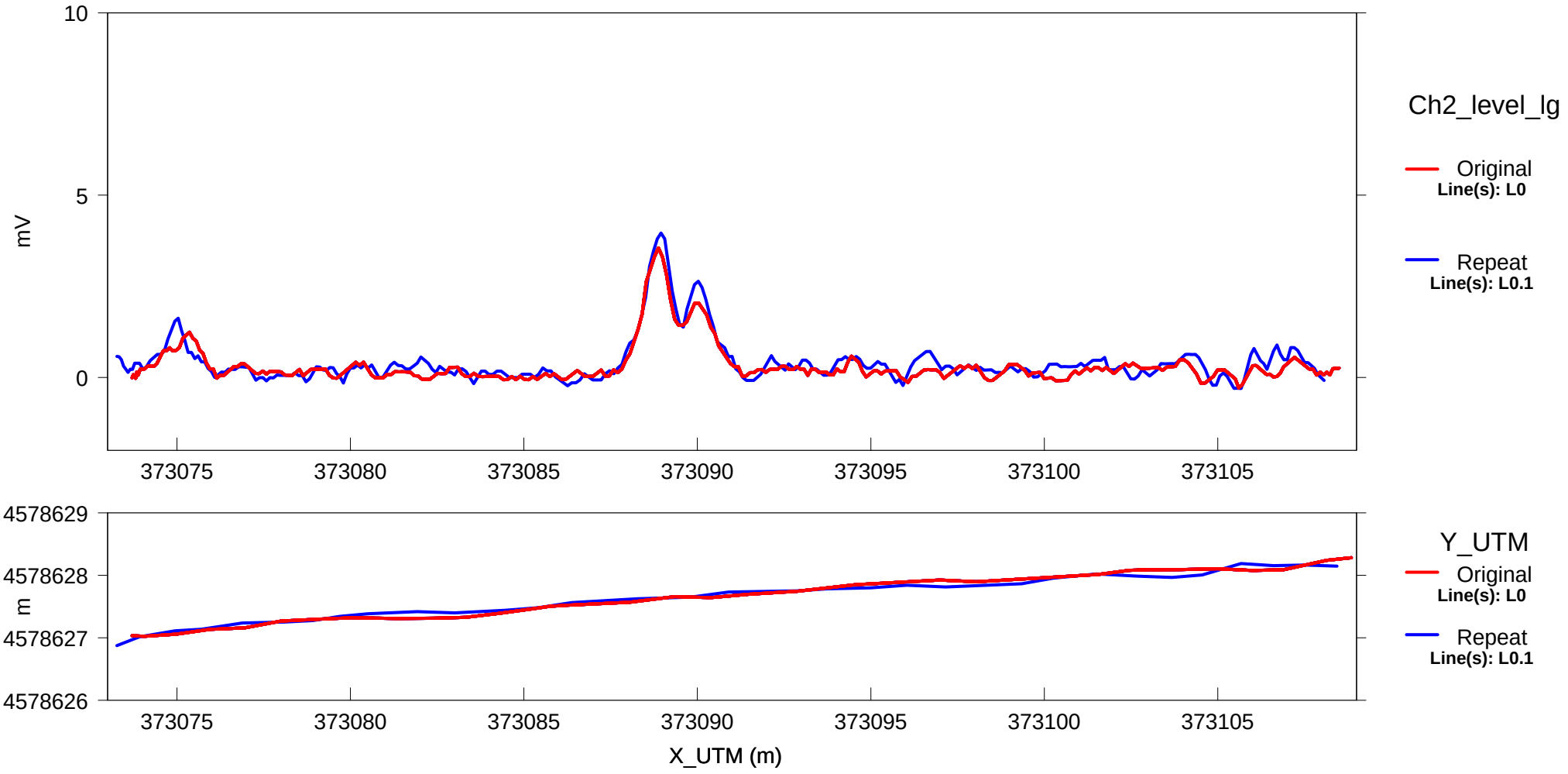
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0005
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

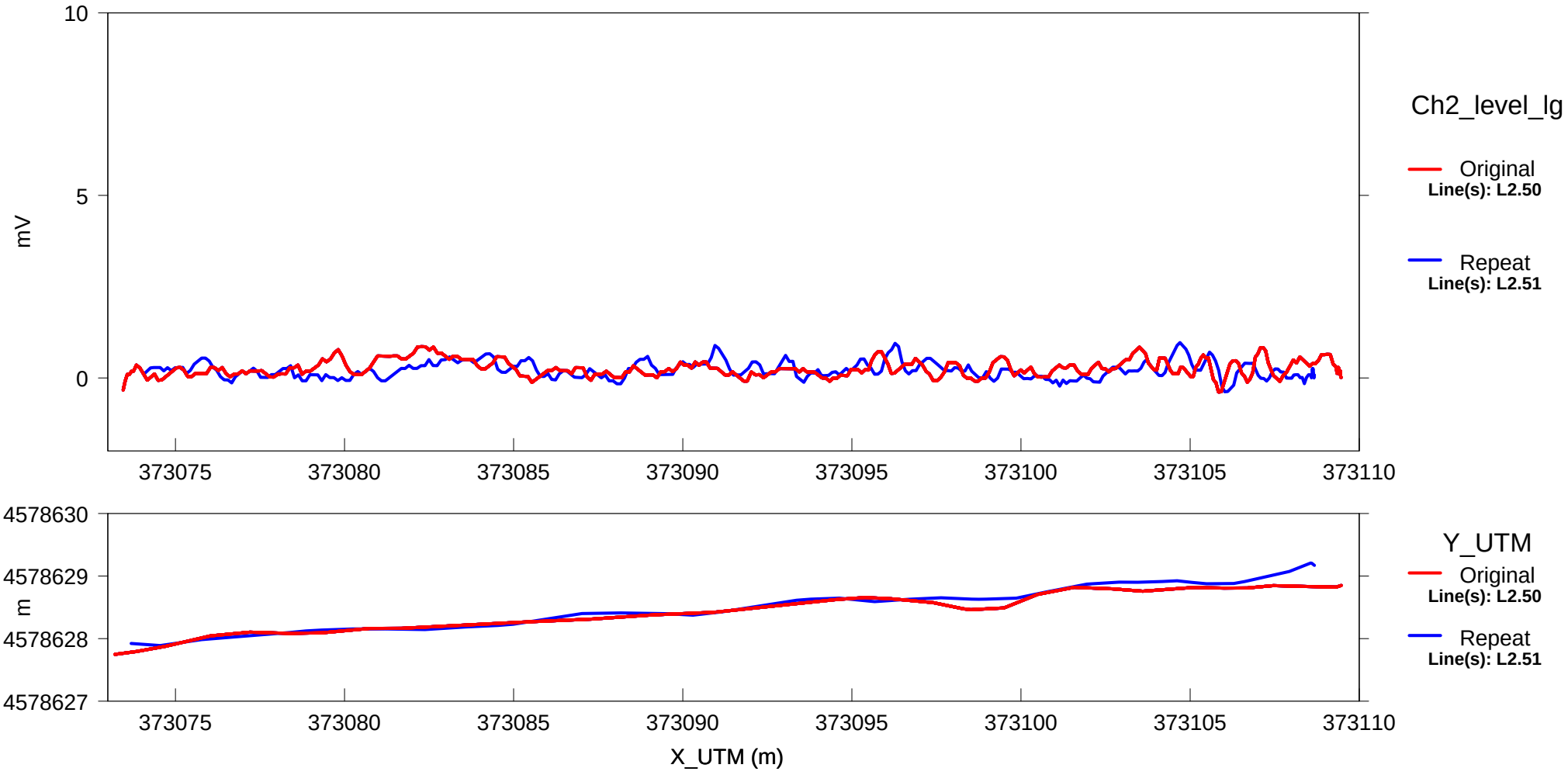
Date of Map Creation: 03/03/2011
Date of Survey: 03/02/2011

S0005 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0005_Repeat.gdb

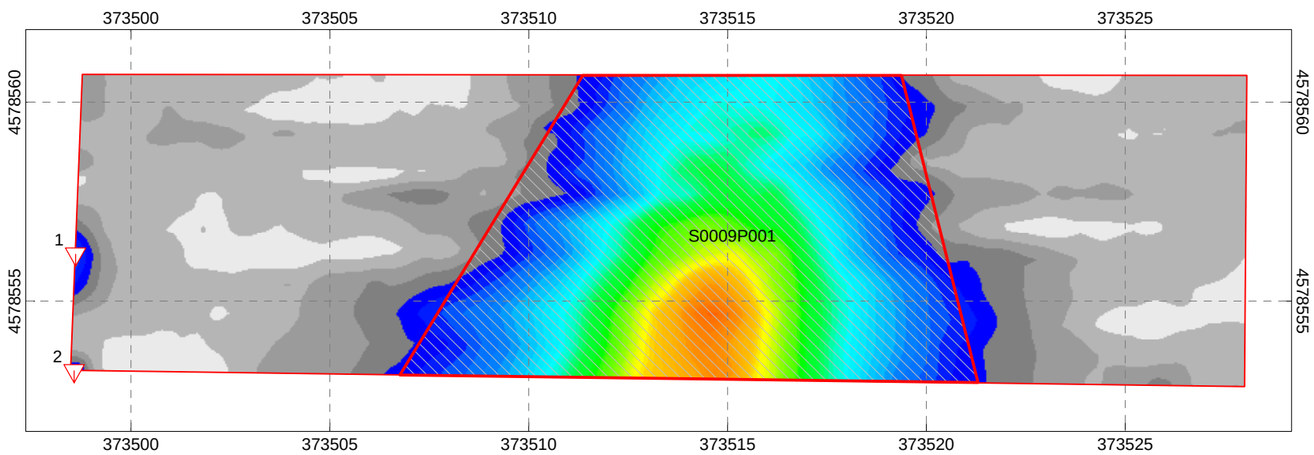
S0005 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

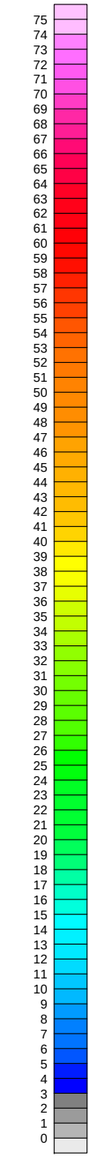


Database: S0005_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0005	S0005	S00050001	373077.6	4578631	168.9176	59.91397	11.18466	2.141442	0	0	
N10UXB0001	S0005	S0005	S00050002	373076.3	4578632	93.45191	44.72937	11.87104	1.611443	0	0	
N10UXB0001	S0005	S0005	S00050003	373076.8	4578633	35.84598	15.93604	4.414226	0.520918	0	0	
N10UXB0001	S0005	S0005	S00050004	373105.7	4578633	18.00261	10.43783	3.760794	0.818953	0	0	
N10UXB0001	S0005	S0005	S00050005	373091.4	4578635	11.36793	7.980572	4.536047	1.969677	0	0	
N10UXB0001	S0005	S0005	S00050006	373077.9	4578632	22.91236	7.813109	1.674133	0.38784	0	0	
N10UXB0001	S0005	S0005	S00050007	373105.5	4578632	9.779436	5.108864	1.902315	0.426758	0	0	
N10UXB0001	S0005	S0005	S00050008	373100.6	4578634	13.49304	4.777407	0.814448	0.334112	0	0	
N10UXB0001	S0005	S0005	S00050009	373088.9	4578628	6.122136	3.339097	1.023773	0.239042	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

- Grid Boundary
- Culture Boundary
- Polygon Target
- Brush — Culture (if noted)
- 2 — Selected Target (See Target List For Response and Location) (Unique Target ID is S0009XXXX, eg. S00090002)

Scale 1:150

2.5 0 2.5 5 7.5

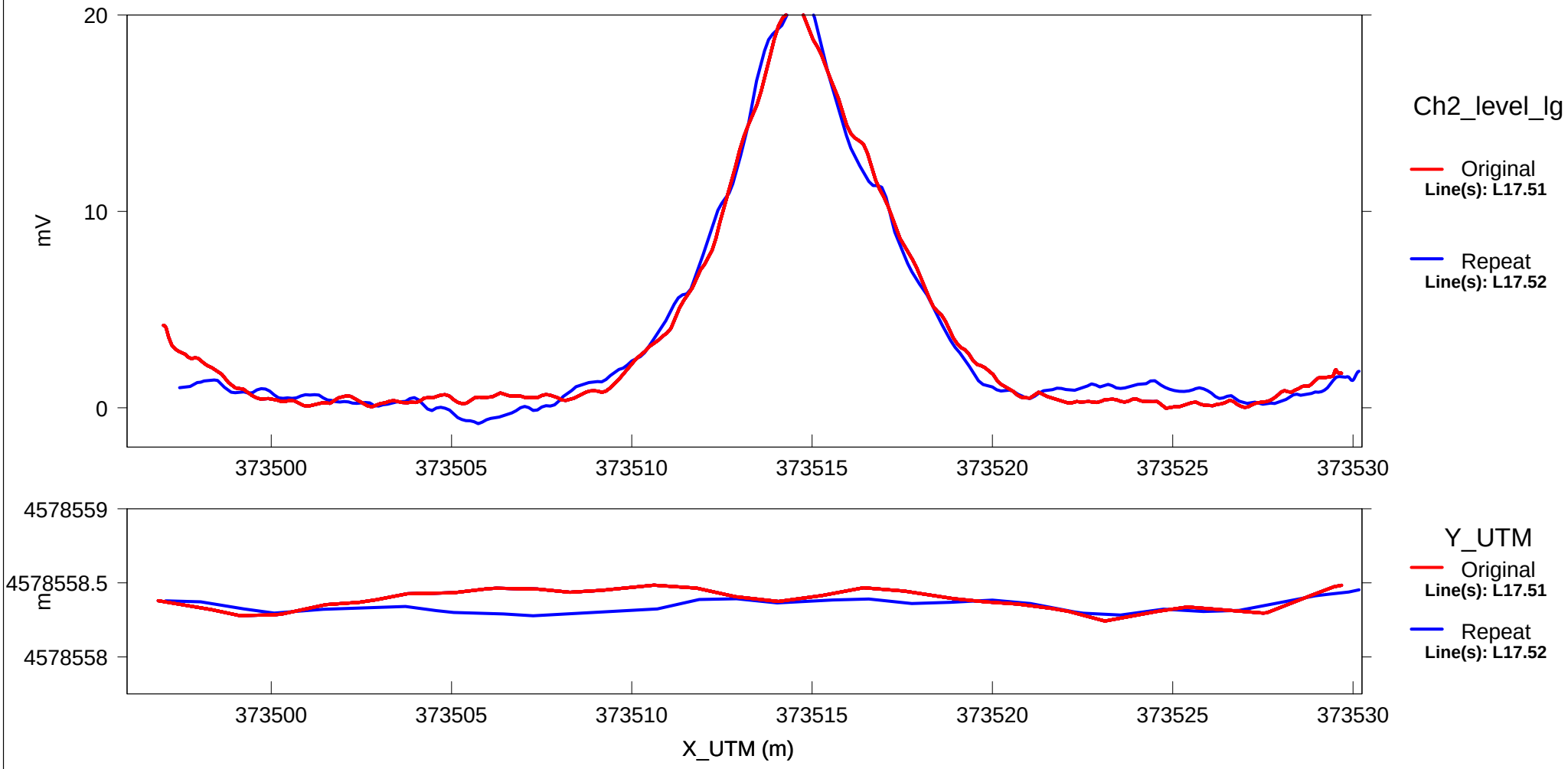
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0009
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

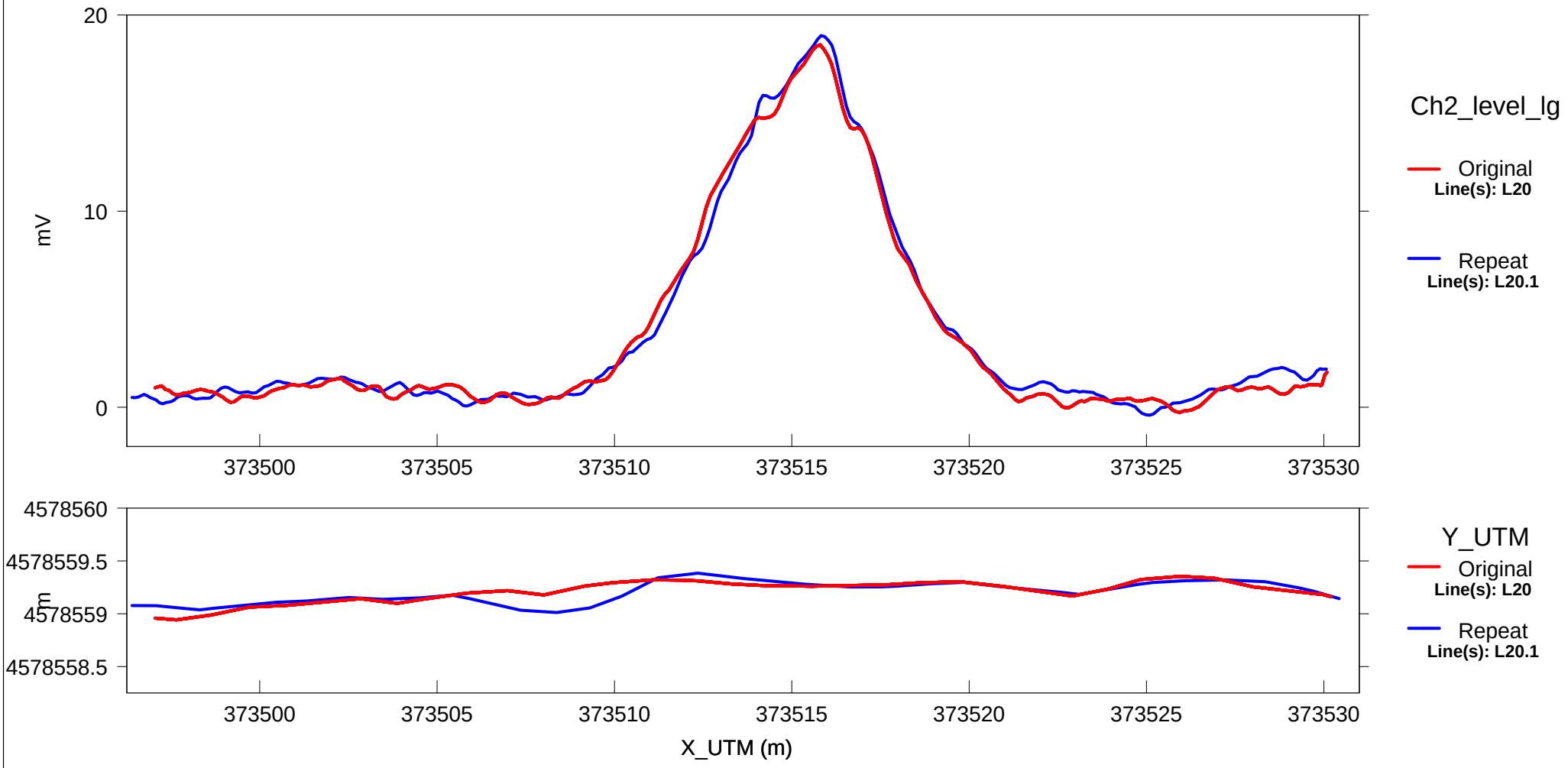
Date of Map Creation: 03/07/2011
Date of Survey: 03/04/2011

S0009 Repeat Line 17.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0009_Repeat.gdb

S0009 Repeat Line 20 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0009_Repeat.gdb

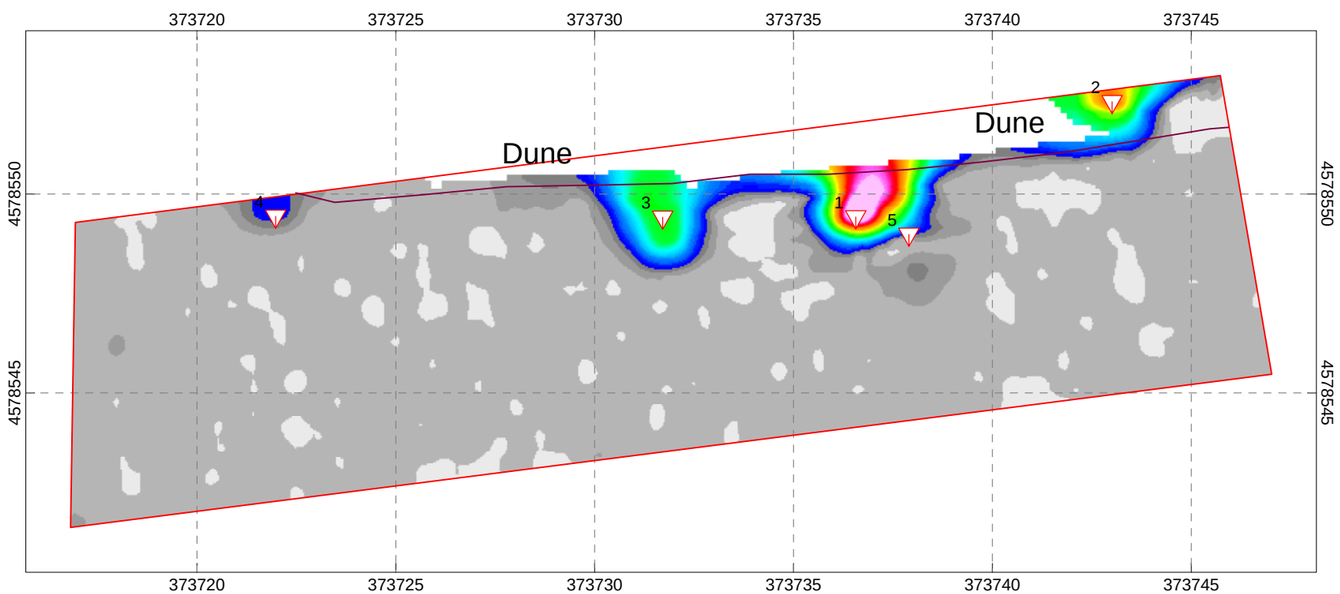
Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource
N10UXB0001	S0009	S0009	S00090001	373498.6088	4578556.179	12.63699395	8.91461061	5.626533895	3.368034932	0	0
N10UXB0001	S0009	S0009	S00090002	373498.571	4578553.247	9.935509621	5.188388161	1.529365621	0.044412277	0	0
N10UXB0001	S0009	S0009	S0009P001	373506.7621	4578553.144	0	0	0	0	1	0

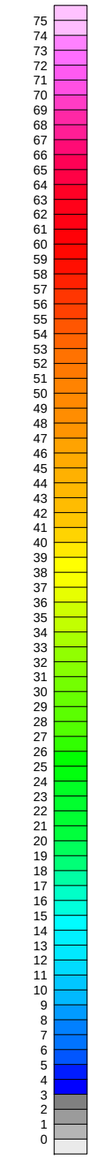
Comments
Target .5m to the West.

Polygon Target S0009P001, Possible Culture.

Project_ID	Location	PolygonID	PointID	Local_X	Local_Y	Easting	Northing
N10UXB0001	S0009	S0009P001	P001	0	0	373506.762	4578553.144
N10UXB0001	S0009	S0009P001	P002	0	0	373511.360	4578560.674
N10UXB0001	S0009	S0009P001	P003	0	0	373519.374	4578560.674
N10UXB0001	S0009	S0009P001	P004	0	0	373521.297	4578552.953

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0011XXXX, eg. S00110002)

Scale 1:150

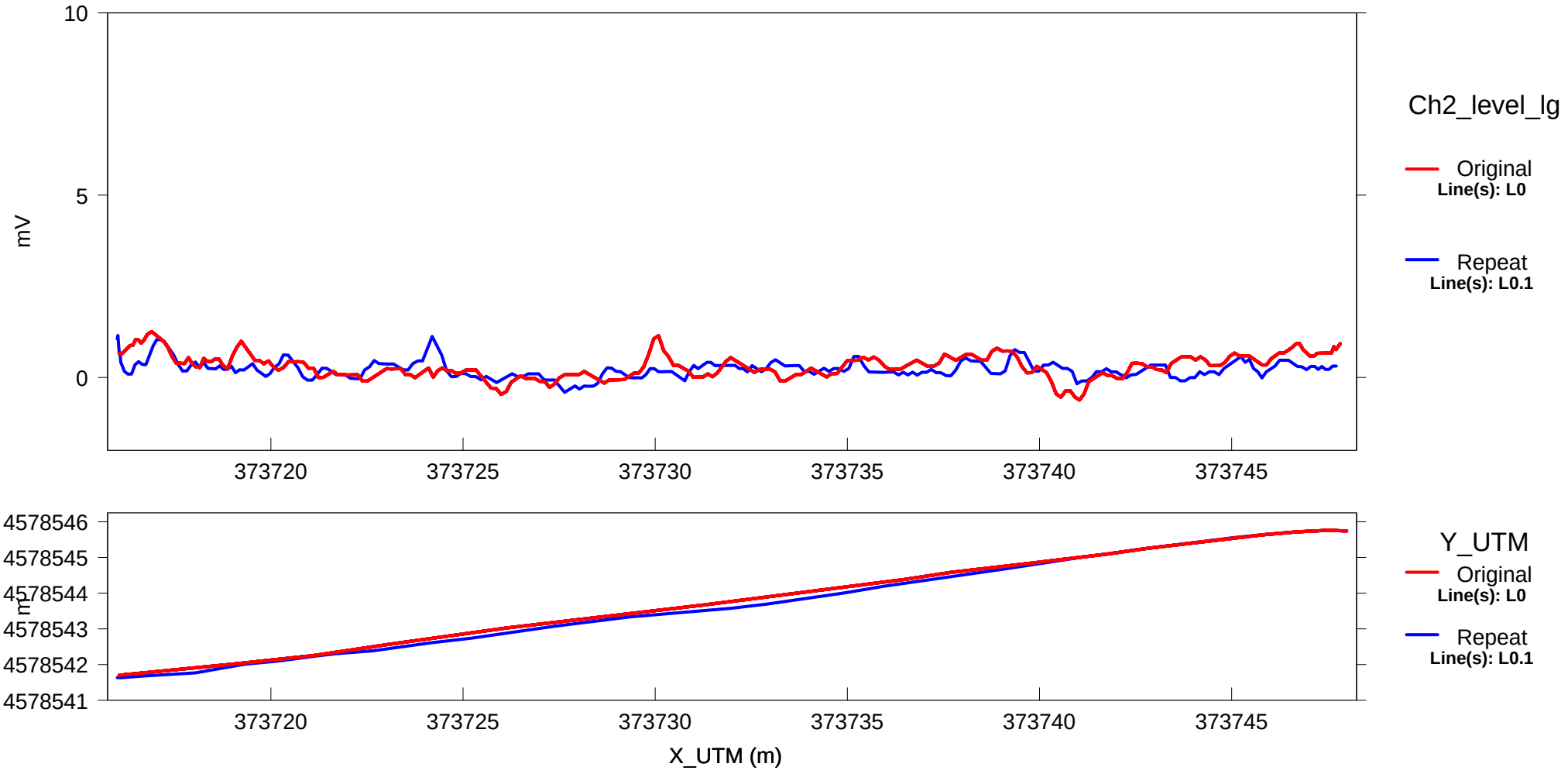
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0011
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

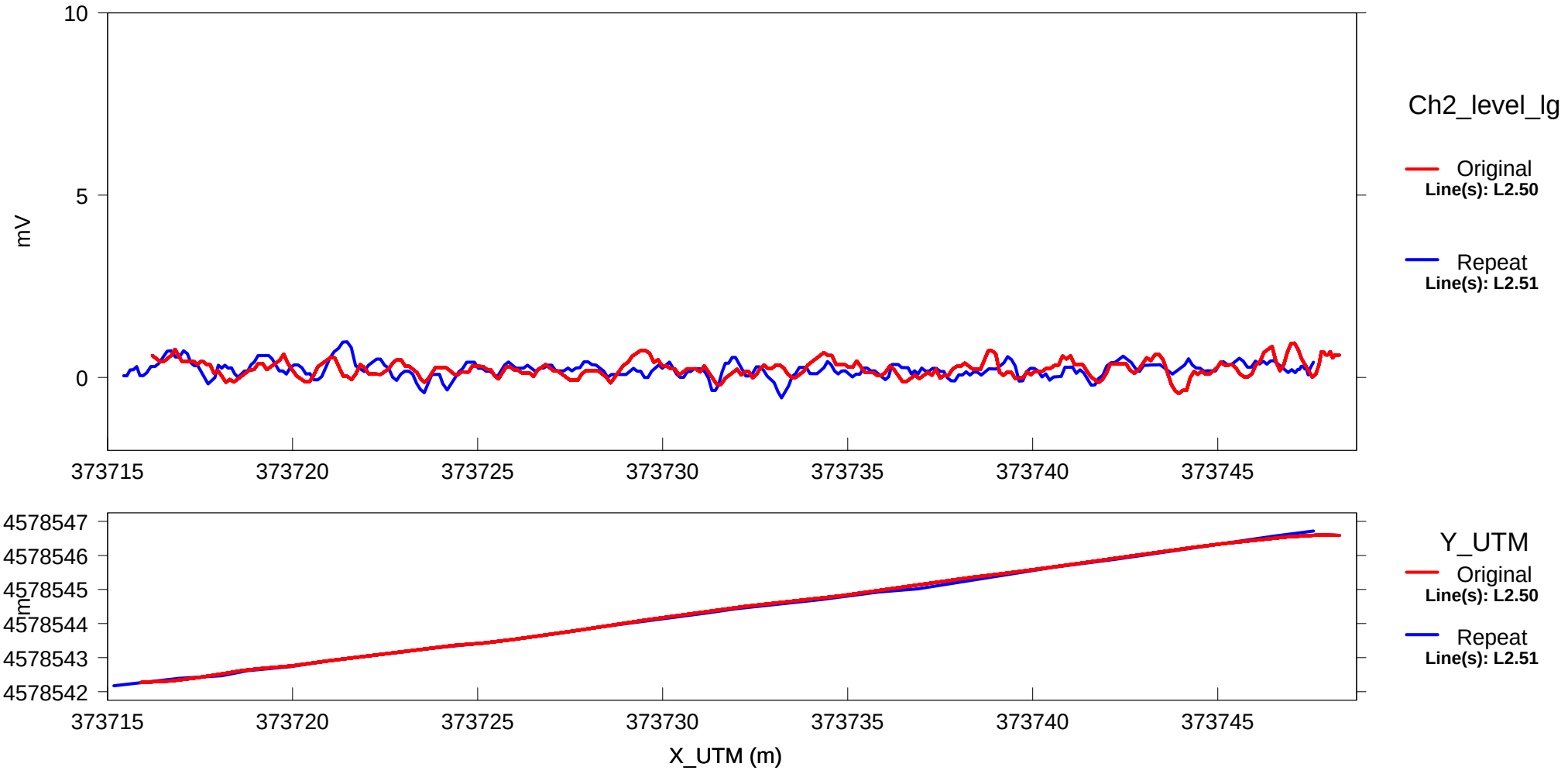
Date of Map Creation: 03/03/2011
Date of Survey: 03/02/2011

S0011 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0011_Repeat.gdb

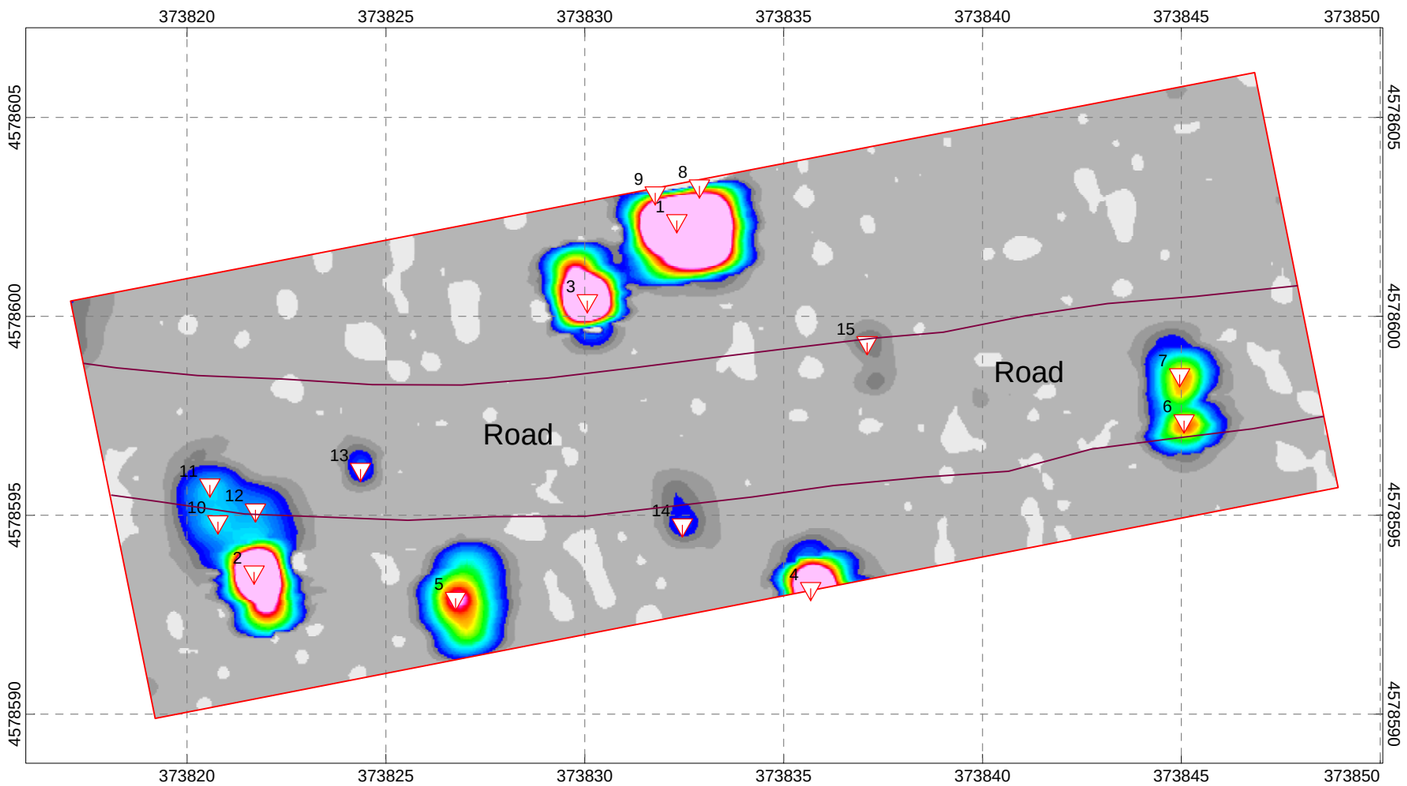
S0011 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

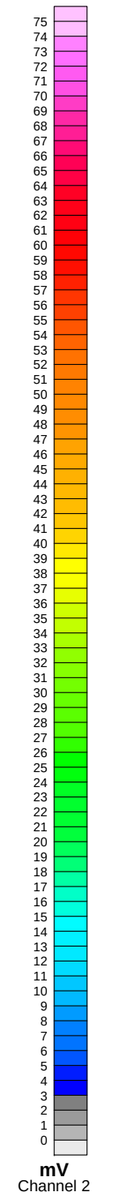


Database: S0011_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0011	S0011	S00110001	373736.563	4578549.423	144.2476607	93.78616308	43.85930311	12.74004723	0	0	
N10UXB0001	S0011	S0011	S00110002	373743.011	4578552.32	92.14327076	56.54001207	24.2189668	6.085738062	0	0	
N10UXB0001	S0011	S0011	S00110003	373731.711	4578549.415	54.03938923	25.81493501	7.658762171	1.432572302	0	0	
N10UXB0001	S0011	S0011	S00110004	373721.978	4578549.441	7.119659328	3.669598077	1.269639222	0.30964993	0	0	
N10UXB0001	S0011	S0011	S00110005	373737.901	4578548.985	5.082037419	3.070232588	1.47982383	0.506464591	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0012XXXX, eg. S00120002)

N

Scale 1:150

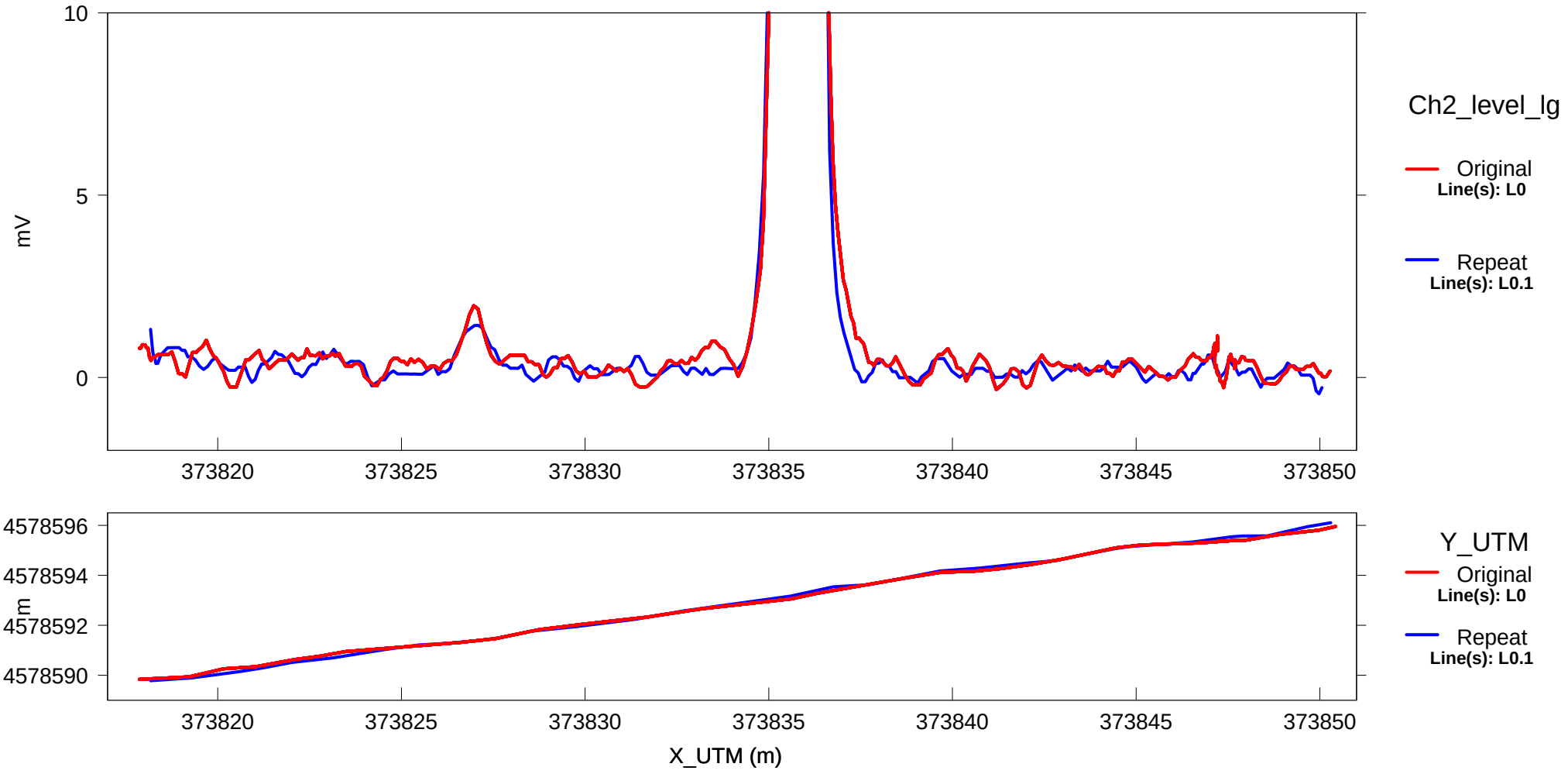
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0012
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

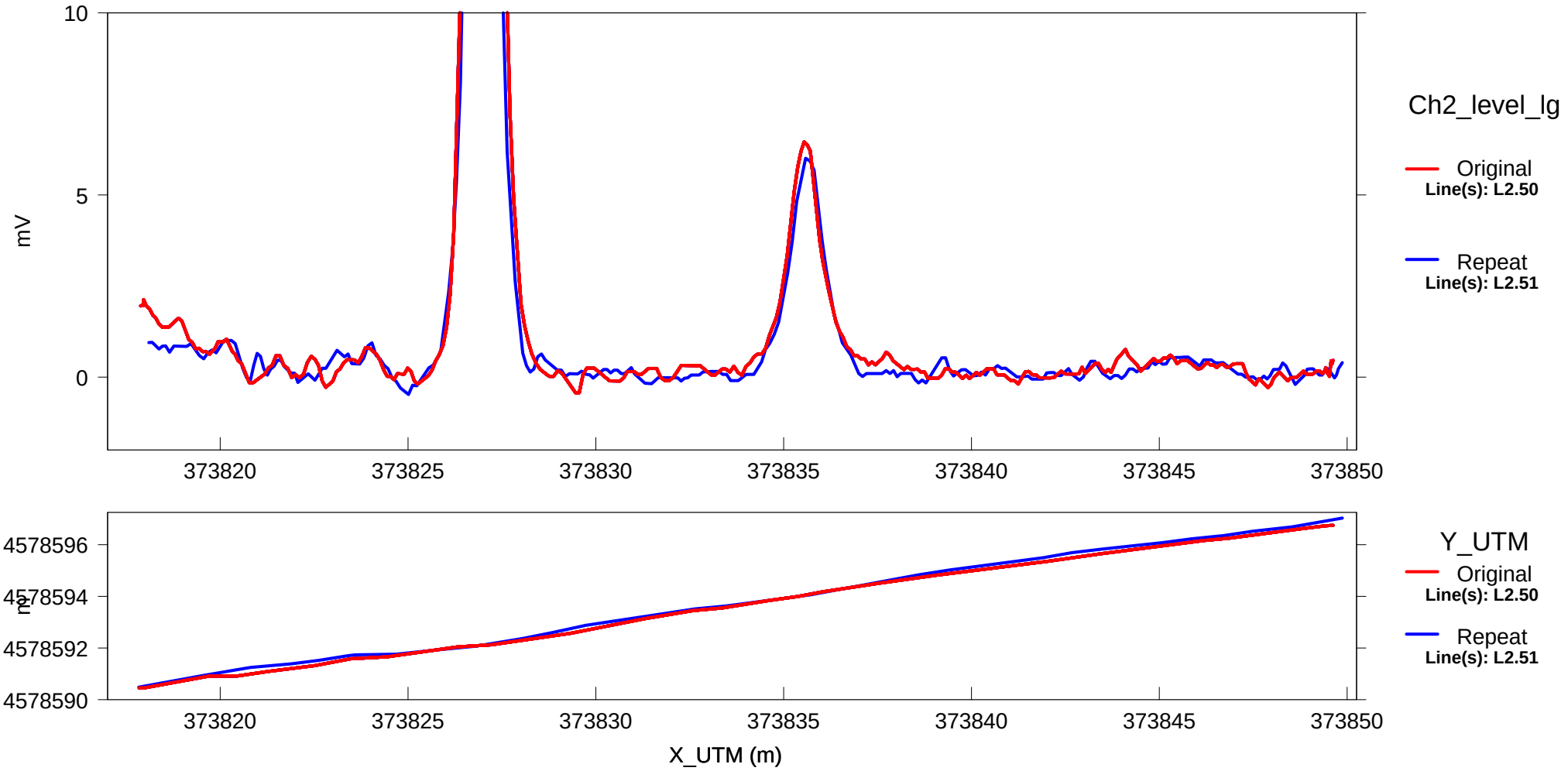
Date of Map Creation: 03/03/2011
Date of Survey: 03/02/2011

S0012 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0012_Repeat.gdb

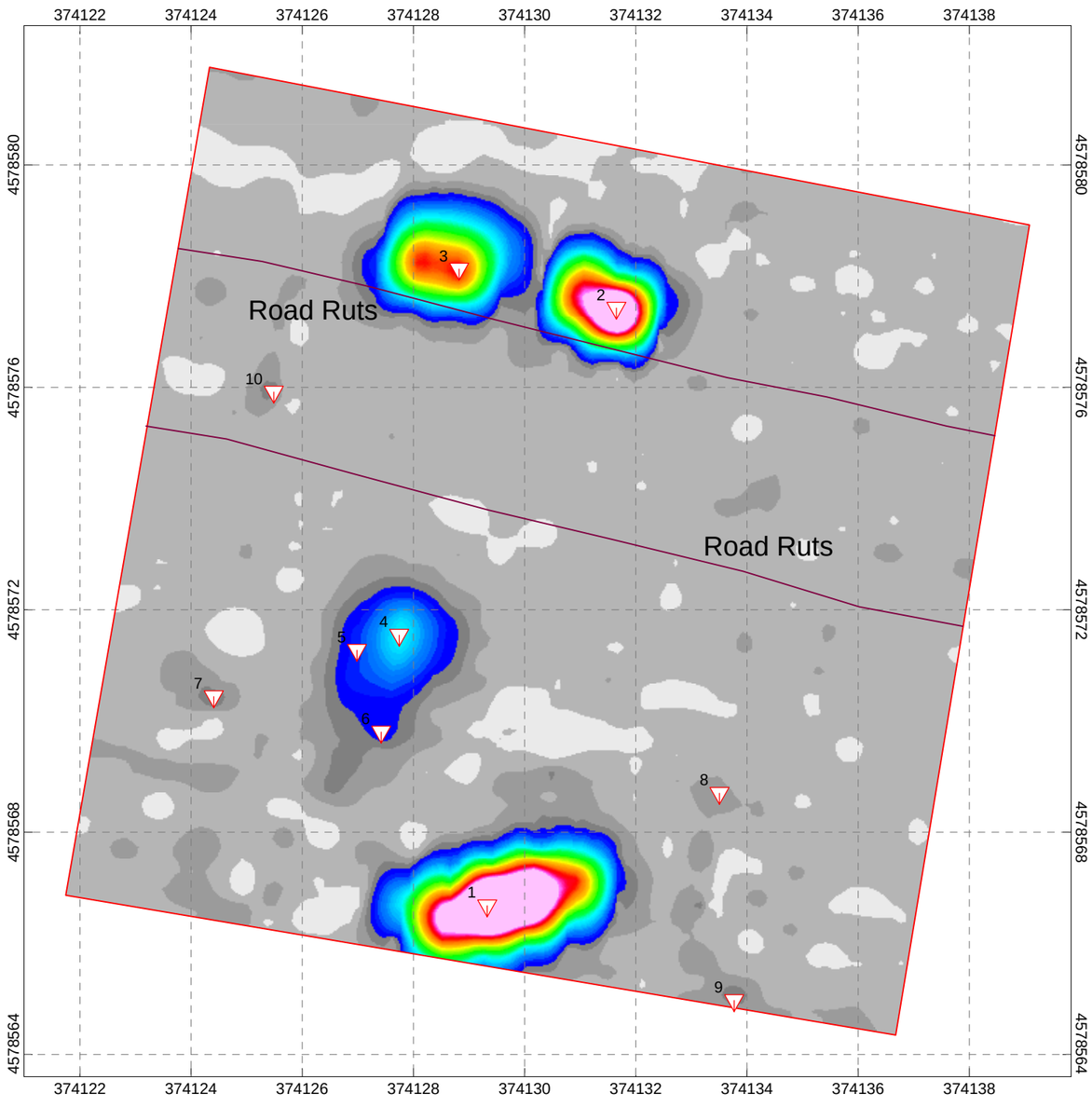
S0012 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

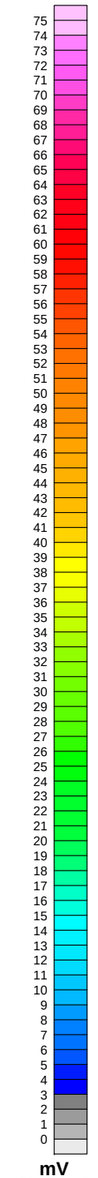


Database: S0012_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0012	S0012	S00120001	373832.314	4578602.4	618.7934687	434.7661546	235.3690253	89.63446117	0	0	
N10UXB0001	S0012	S0012	S00120002	373821.684	4578593.566	515.8735697	394.8826014	229.484805	112.750106	0	0	
N10UXB0001	S0012	S0012	S00120003	373830.065	4578600.387	458.1269963	349.526842	206.2895033	103.0289146	0	0	
N10UXB0001	S0012	S0012	S00120004	373835.6797	4578593.151	563.2597242	289.4223616	120.845086	26.03574894	0	0	
N10UXB0001	S0012	S0012	S00120005	373826.752	4578592.903	126.4339487	87.01307929	48.73473586	23.12214084	0	0	
N10UXB0001	S0012	S0012	S00120006	373845.068	4578597.367	90.66073628	56.76597993	23.98259521	6.274523824	0	0	
N10UXB0001	S0012	S0012	S00120007	373844.958	4578598.527	85.34065463	53.18922345	22.79653108	6.233564264	0	0	
N10UXB0001	S0012	S0012	S00120008	373832.884	4578603.271	27.02915711	16.74697533	7.783880261	2.422087115	0	0	
N10UXB0001	S0012	S0012	S00120009	373831.773	4578603.097	24.91869358	16.56364417	8.106473923	2.657276793	0	0	
N10UXB0001	S0012	S0012	S00120010	373820.777	4578594.827	21.370253	12.58961661	5.297840595	1.349576202	0	0	
N10UXB0001	S0012	S0012	S00120011	373820.572	4578595.753	19.19635478	11.51881528	4.50382194	0.923411585	0	0	
N10UXB0001	S0012	S0012	S00120012	373821.721	4578595.126	15.35473733	9.304458543	4.01836576	1.432158995	0	0	
N10UXB0001	S0012	S0012	S00120013	373824.361	4578596.148	7.903197224	5.931937434	3.518643194	1.599982518	0	0	
N10UXB0001	S0012	S0012	S00120014	373832.453	4578594.749	9.185616825	5.049354374	1.980763279	0.624234409	0	0	
N10UXB0001	S0012	S0012	S00120015	373837.099	4578599.331	4.455458884	3.277163005	1.830302623	1.175900494	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0013XXXX, eg. S00130002)

N

Scale 1:100

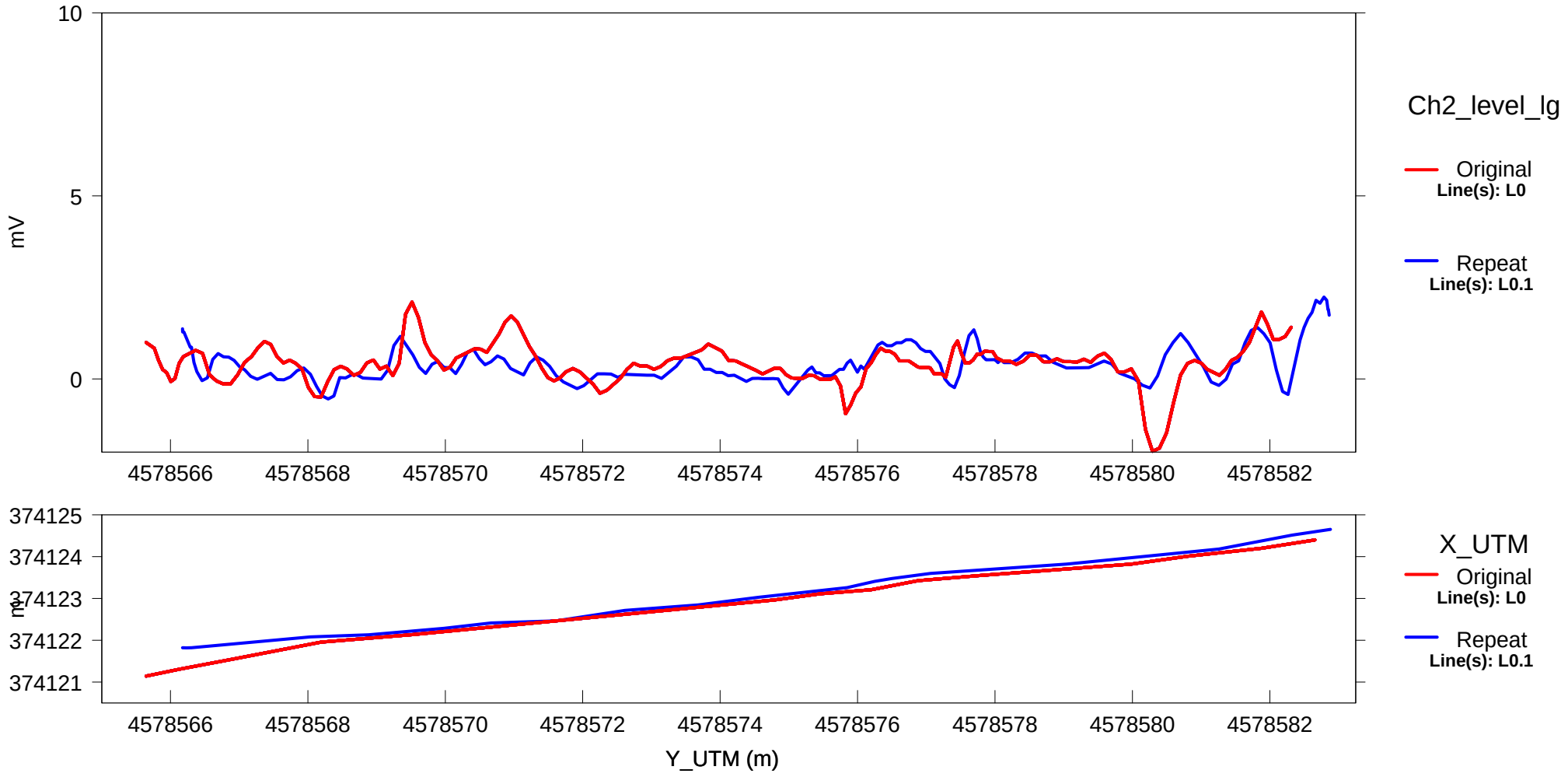
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0013
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

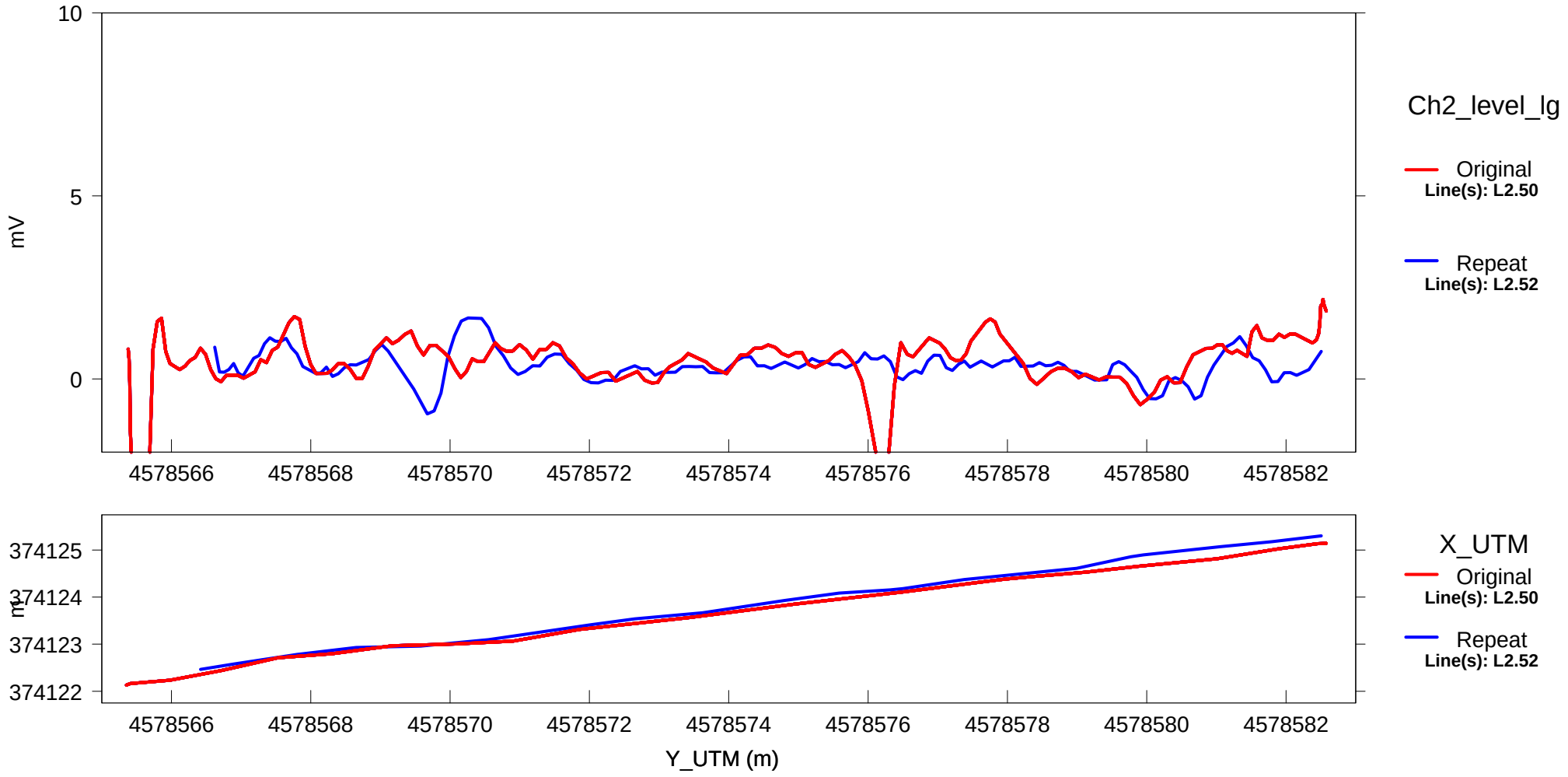
Date of Map Creation: 03/04/2011
Date of Survey: 03/03/2011

S0013 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0013_Repeat.gdb

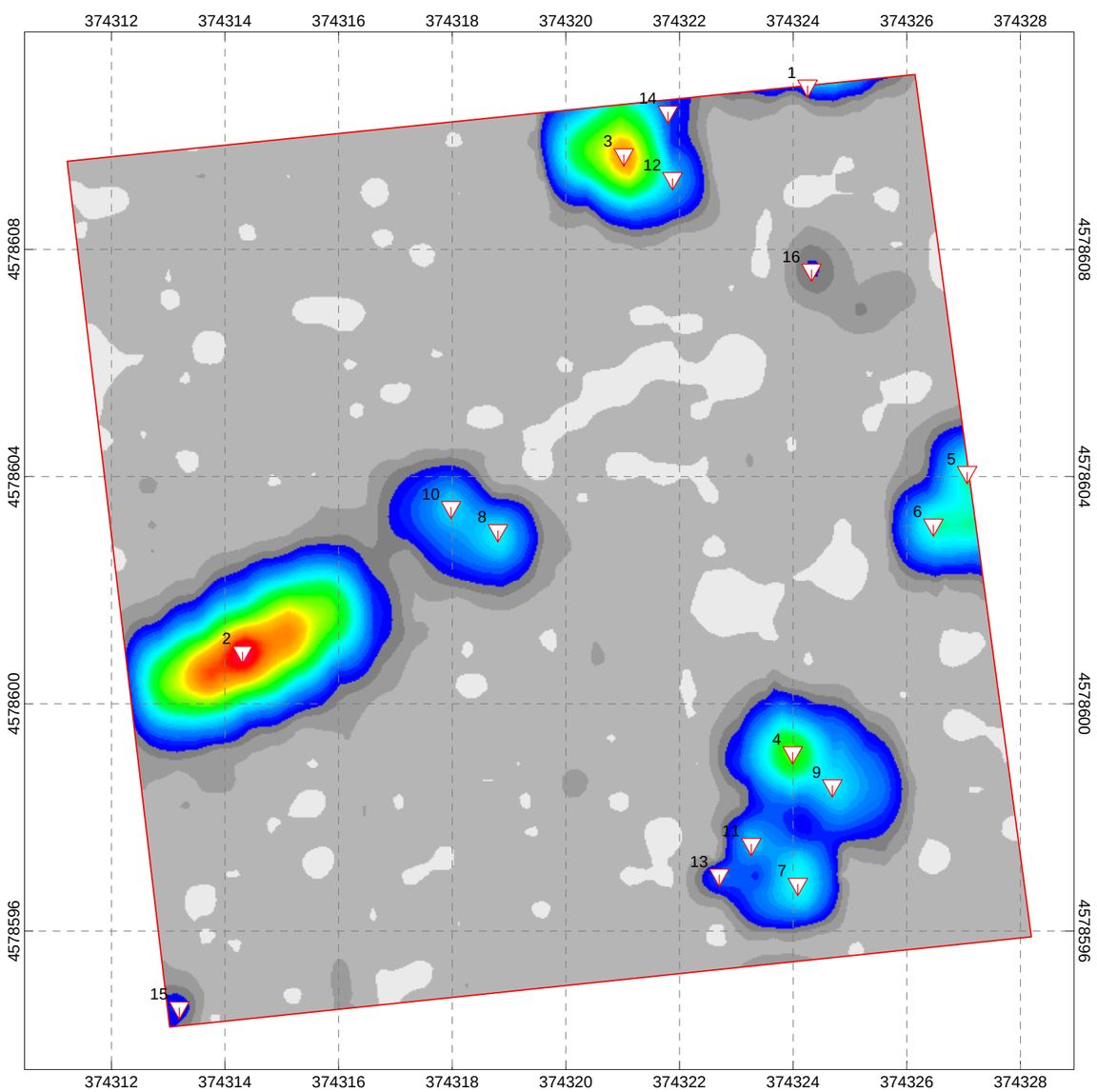
S0013 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

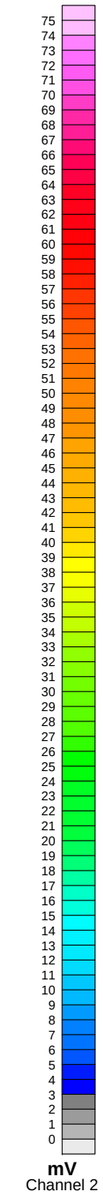


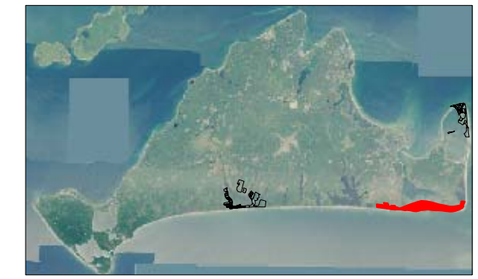
Database: S0013_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0013	S0013	S00130001	374129.326	4578566.676	256.1561229	178.5322974	96.36872966	37.59788427	0	0	Approx 4.6m
N10UXB0001	S0013	S0013	S00130002	374131.651	4578577.427	203.4832752	150.7296586	83.59223465	35.67547224	0	0	
N10UXB0001	S0013	S0013	S00130003	374128.821	4578578.128	100.9322432	64.01378754	32.64980825	13.09334358	0	0	
N10UXB0001	S0013	S0013	S00130004	374127.743	4578571.543	20.46675582	14.04436747	7.744377838	3.083252078	0	0	
N10UXB0001	S0013	S0013	S00130005	374126.984	4578571.272	8.17095732	4.441478471	2.424716933	0.87392132	0	0	Possibly relat
N10UXB0001	S0013	S0013	S00130006	374127.42	4578569.801	6.288366331	4.208183179	2.577646469	1.535386321	0	0	
N10UXB0001	S0013	S0013	S00130007	374124.408	4578570.437	3.911089615	3.866355261	3.185411884	2.805256633	0	0	
N10UXB0001	S0013	S0013	S00130008	374133.506	4578568.7	3.331673966	3.041432172	2.428296137	2.206878834	0	0	
N10UXB0001	S0013	S0013	S00130009	374133.77	4578564.972	4.307650754	3.02671406	2.617304194	2.693715642	0	0	
N10UXB0001	S0013	S0013	S00130010	374125.487	4578575.916	4.222992127	3.020119477	2.460826323	2.571038375	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys







Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0014XXXX, eg. S00140002)

Scale 1:100

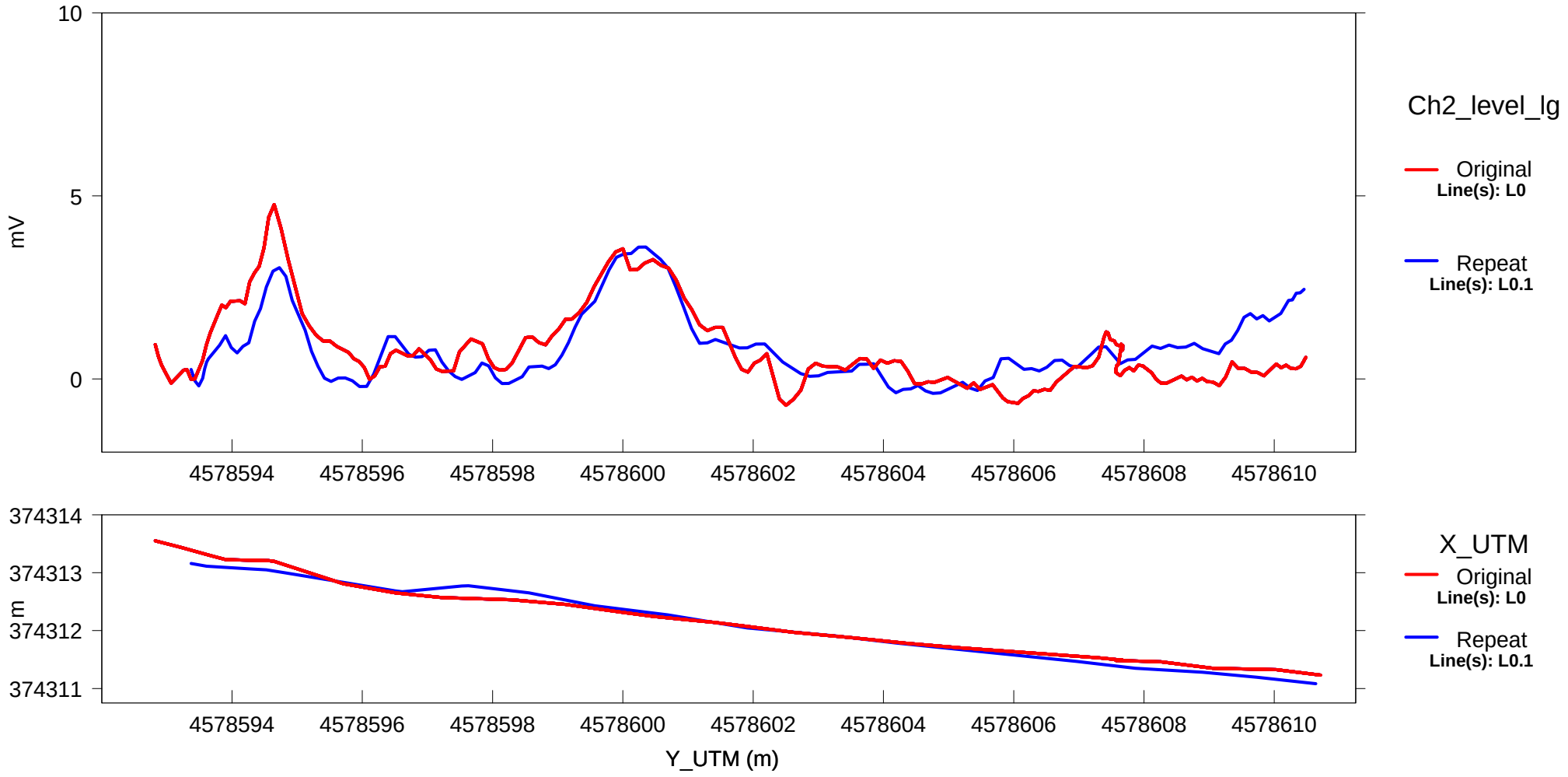
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0014
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

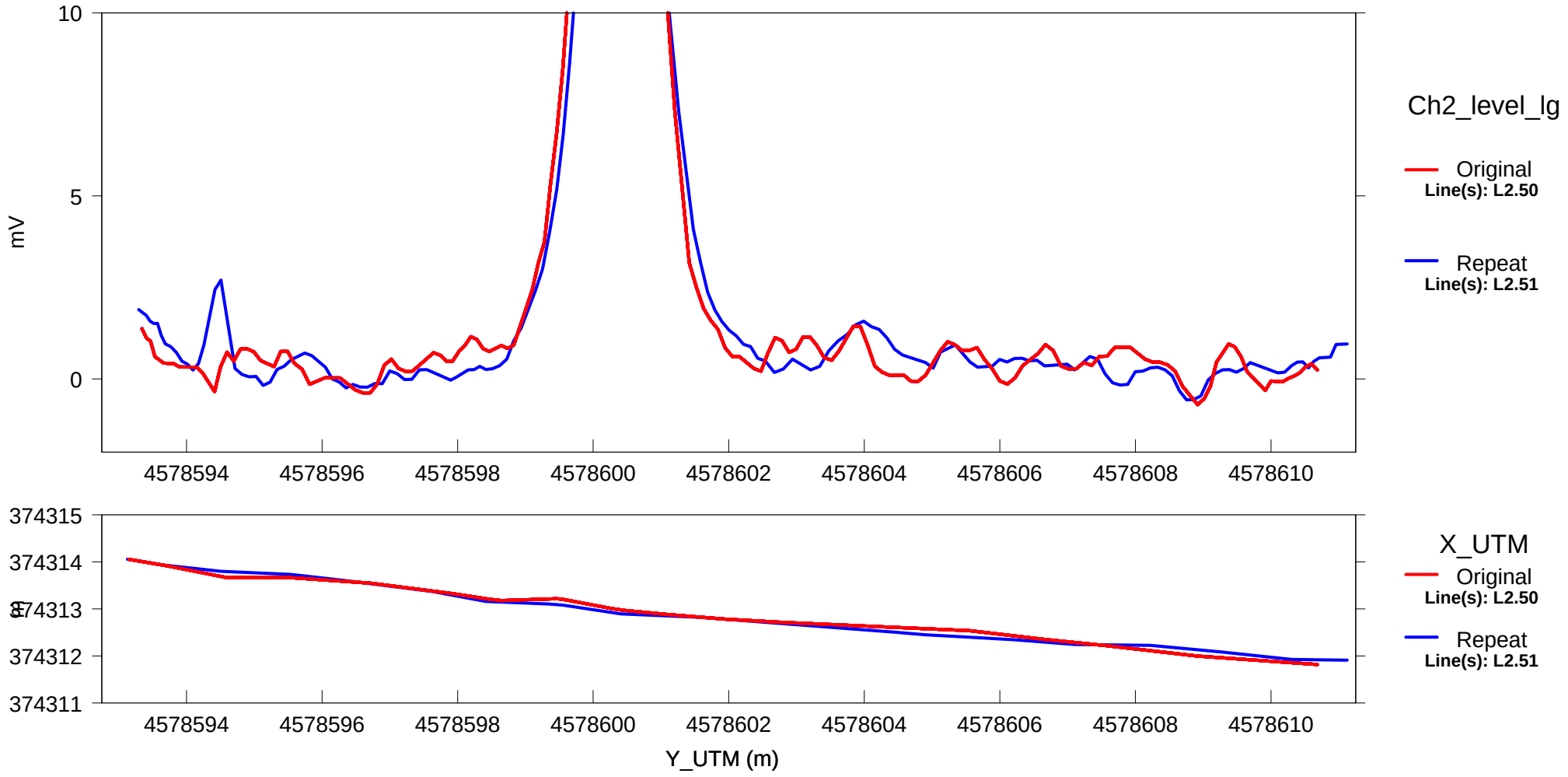
Date of Map Creation: 03/04/2011
Date of Survey: 03/03/2011

S0014 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0014_Repeat.gdb

S0014 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0014_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0014	S0014	S00140001	374324.2542	4578610.877	287.8308092	184.6717073	88.08914742	26.71501368	0	0	Target falls 1.3m North
N10UXB0001	S0014	S0014	S00140002	374314.307	4578600.907	97.35862232	69.88597429	39.37584728	15.86309975	0	0	Approx 4.6m x 2.5m footprint
N10UXB0001	S0014	S0014	S00140003	374321.019	4578609.667	93.89267569	51.42227128	18.7589011	4.09899043	0	0	
N10UXB0001	S0014	S0014	S00140004	374323.991	4578599.141	45.57882342	30.45949671	14.95986217	4.499615197	0	0	
N10UXB0001	S0014	S0014	S00140005	374327.062	4578604.075	34.43833016	18.60066552	7.085603208	1.834105761	0	0	
N10UXB0001	S0014	S0014	S00140006	374326.468	4578603.148	30.74628875	18.09530014	6.695326537	1.456724662	0	0	
N10UXB0001	S0014	S0014	S00140007	374324.083	4578596.824	26.82939779	15.58251783	6.139306412	1.169865909	0	0	
N10UXB0001	S0014	S0014	S00140008	374318.803	4578603.049	22.48006454	13.86401596	5.74868824	1.490336675	0	0	
N10UXB0001	S0014	S0014	S00140009	374324.69	4578598.558	19.21197777	13.28831248	6.747396422	2.601498198	0	0	
N10UXB0001	S0014	S0014	S00140010	374317.979	4578603.458	18.21697031	11.73686652	5.074688723	1.350489114	0	0	
N10UXB0001	S0014	S0014	S00140011	374323.264	4578597.527	21.48978014	10.54547801	2.894636003	0.594538029	0	0	
N10UXB0001	S0014	S0014	S00140012	374321.877	4578609.247	19.34575853	10.23315723	3.3372659	0.589713515	0	0	
N10UXB0001	S0014	S0014	S00140013	374322.701	4578596.986	11.96646995	6.862559939	2.064447504	0.750170637	0	0	
N10UXB0001	S0014	S0014	S00140014	374321.799	4578610.417	9.989467647	5.389928287	2.160423622	0.441587277	0	0	
N10UXB0001	S0014	S0014	S00140015	374313.195	4578594.647	9.60722762	4.764811311	2.013910893	0.910043596	0	0	
N10UXB0001	S0014	S0014	S00140016	374324.324	4578607.636	7.171103745	3.476494557	1.132202984	0.254241113	0	0	

NAeVA GEOPHYSICS INC.
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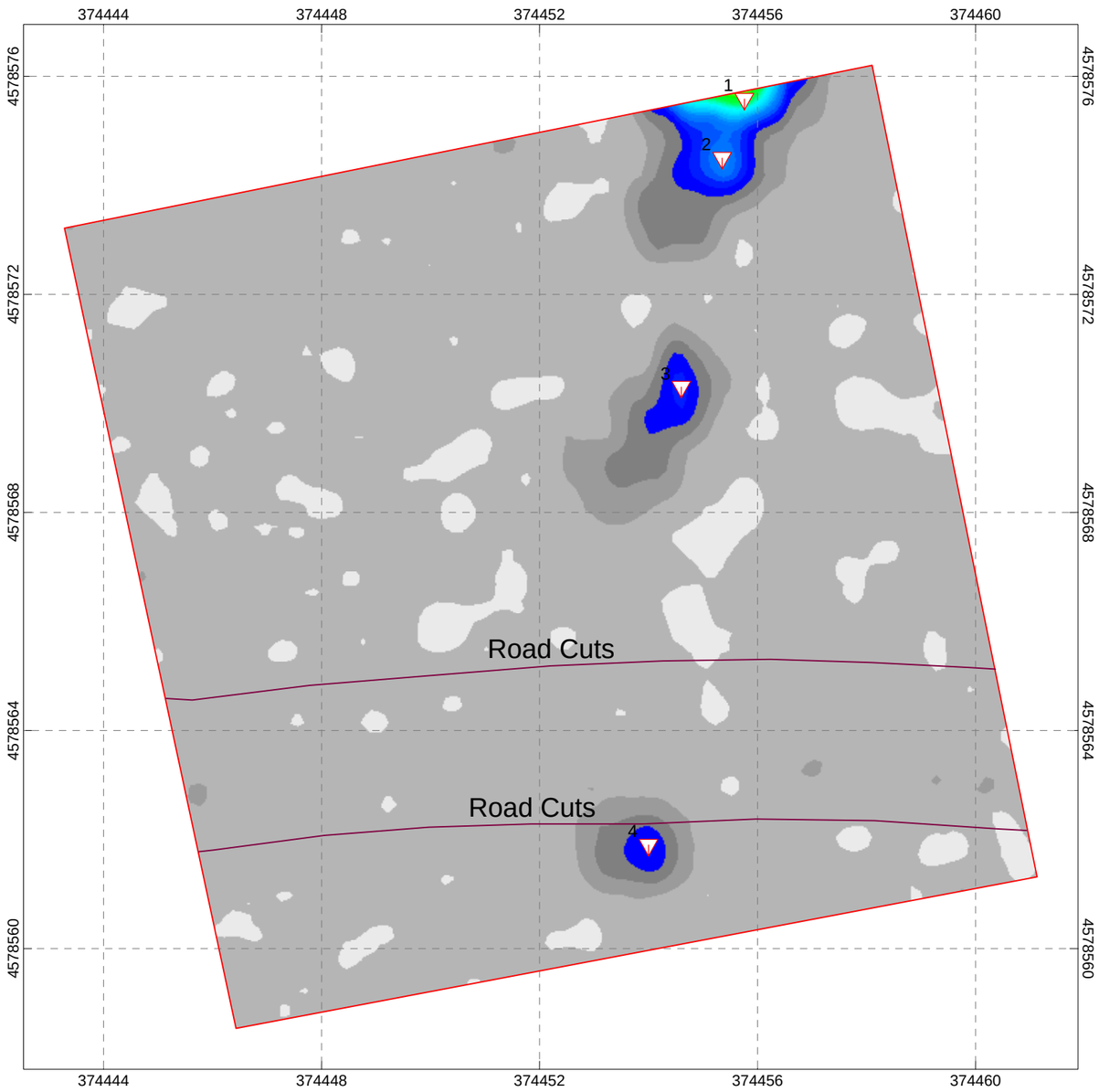
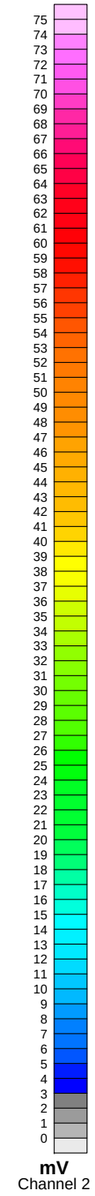




Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0015XXXX, eg. S00150002)

Scale 1:100

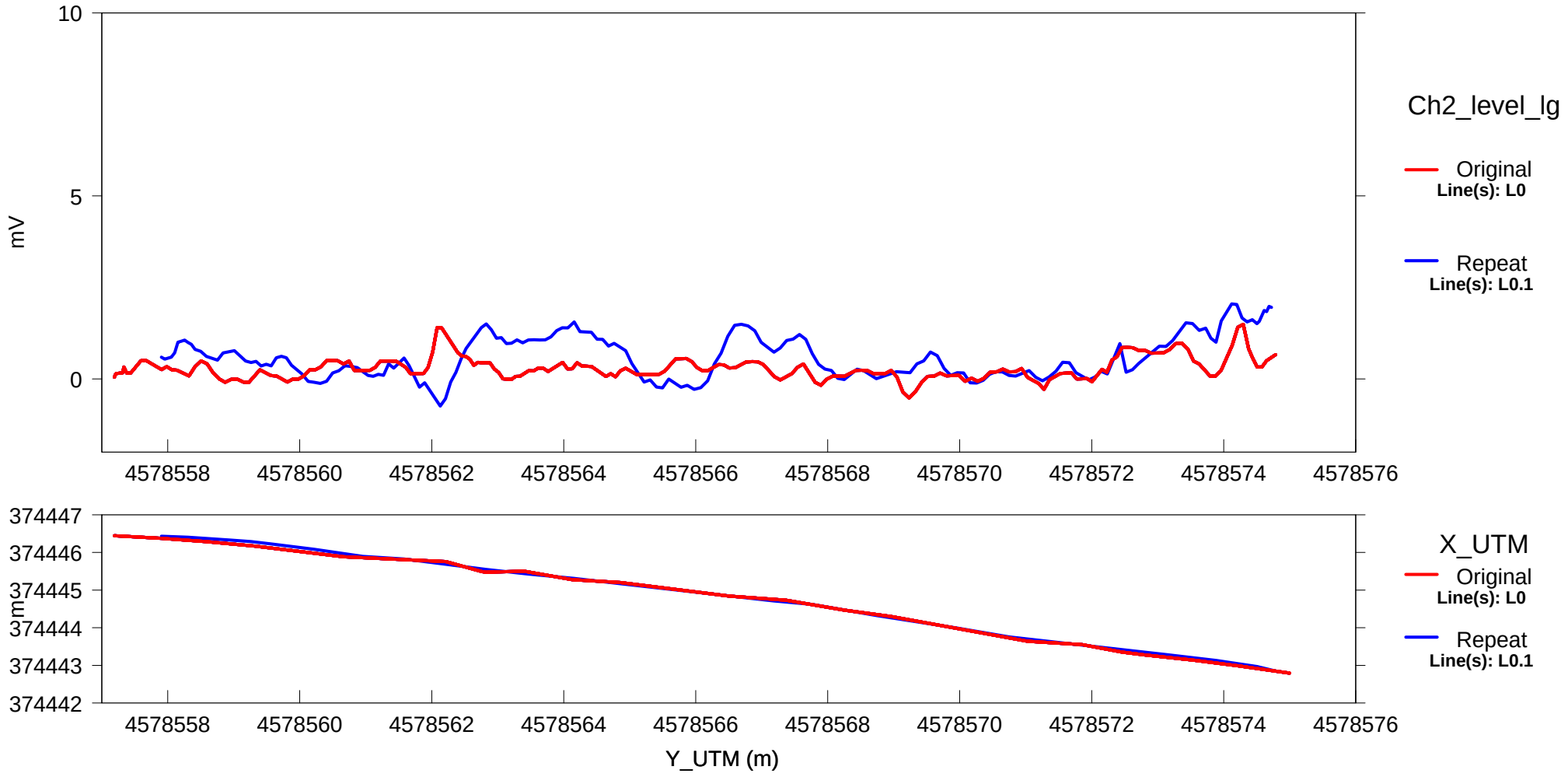
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0015
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

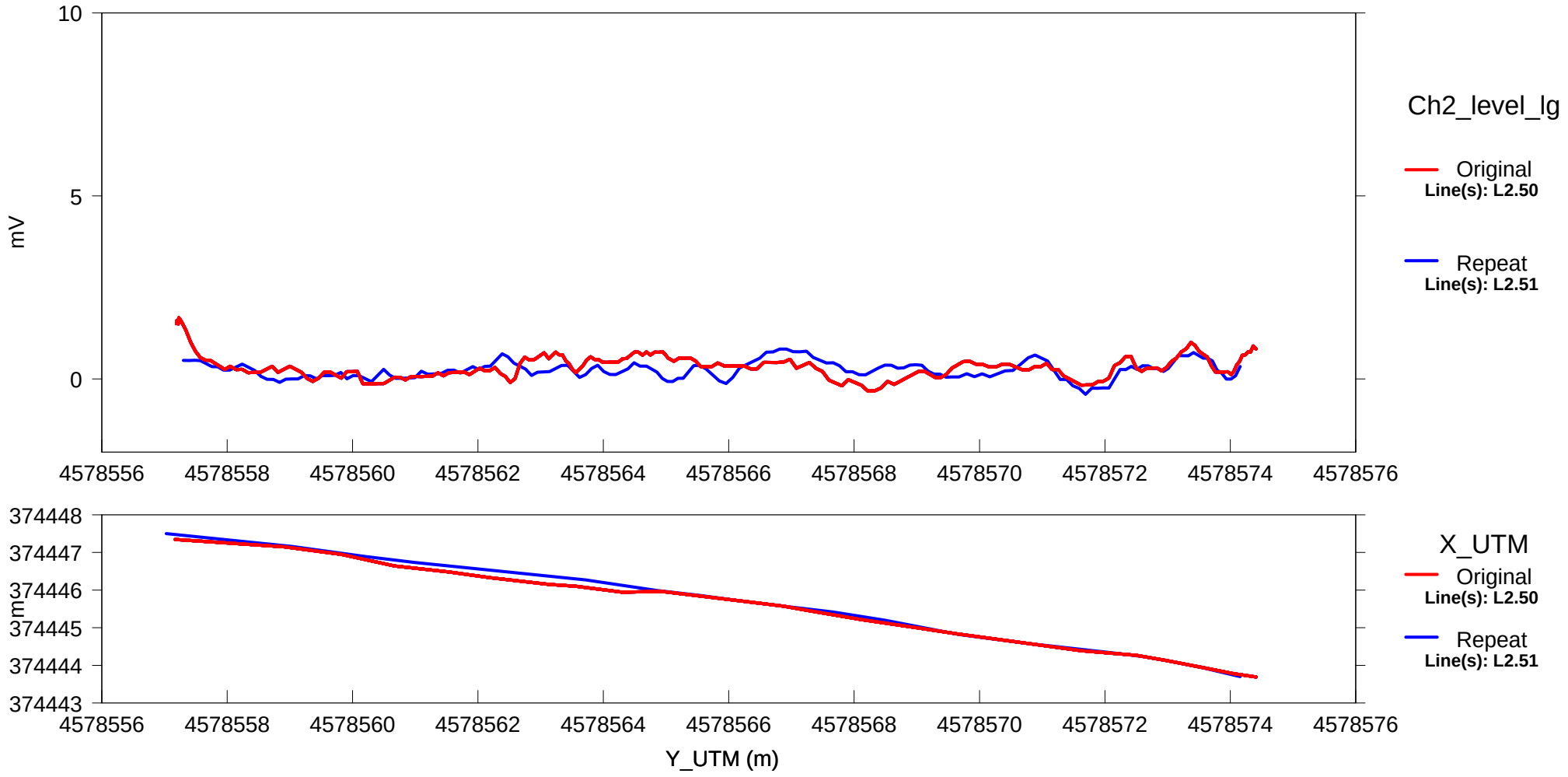
Date of Map Creation: 03/04/2011
Date of Survey: 03/03/2011

S0015 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0015_Repeat.gdb

S0015 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0015_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSou	Comments
N10UXB0001	S0015	S0015	S00150001	374455.8	4578576	40.06992	25.12492	14.78148	6.144783	0	0	Peak outside
N10UXB0001	S0015	S0015	S00150002	374455.4	4578575	11.61652	7.728483	3.912777	1.346321	0	0	
N10UXB0001	S0015	S0015	S00150003	374454.6	4578570	8.725661	4.529884	1.712309	0.336822	0	0	Secondary Pe
N10UXB0001	S0015	S0015	S00150004	374454	4578562	6.402689	4.135357	1.854359	0.506128	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
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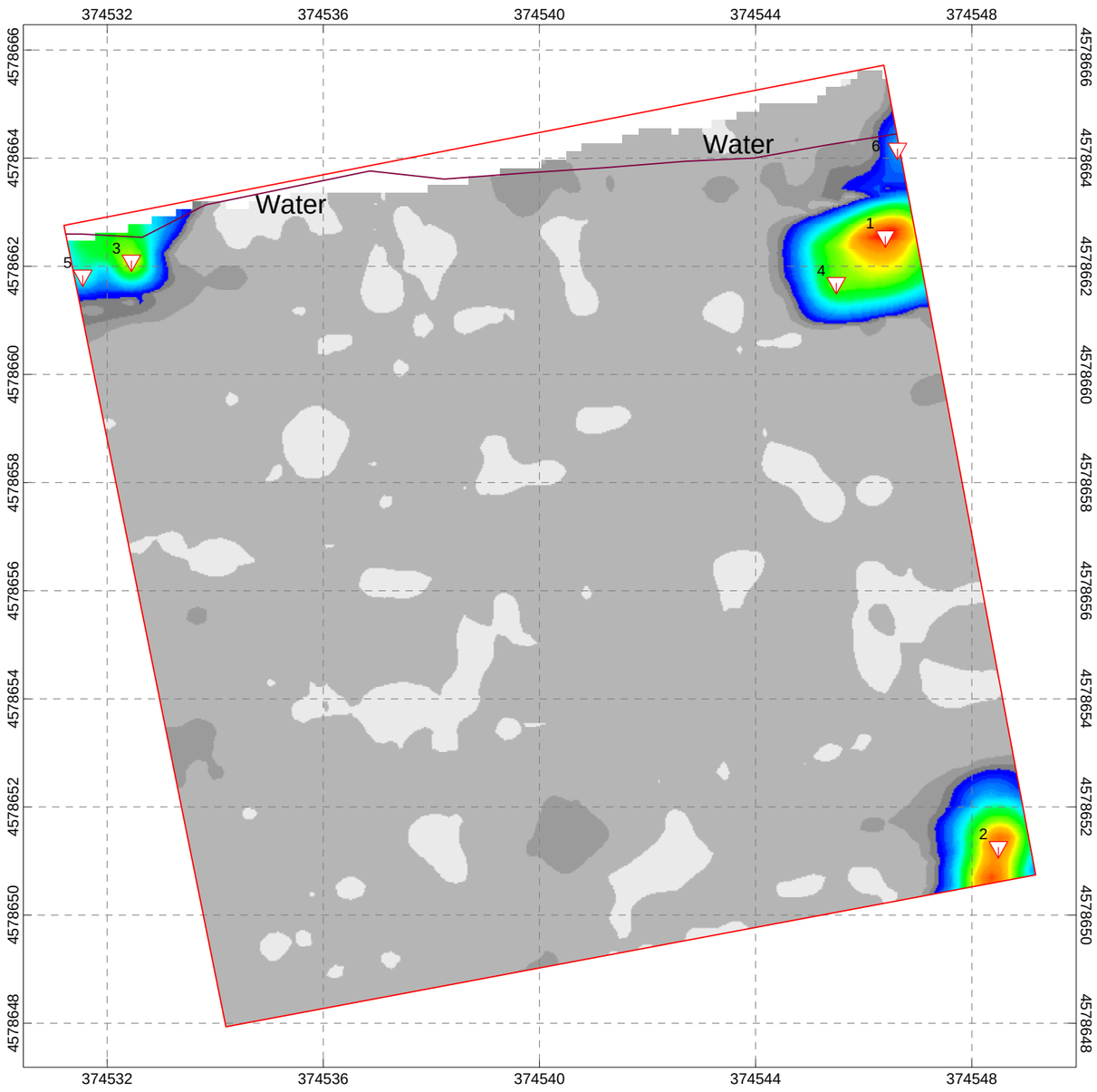
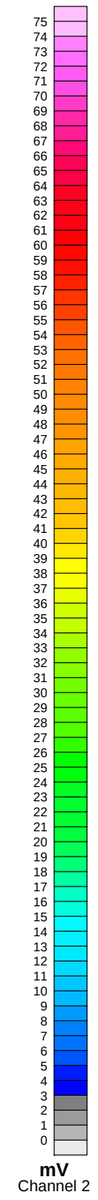




Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0016XXXX, eg. S00160002)

Scale 1:100

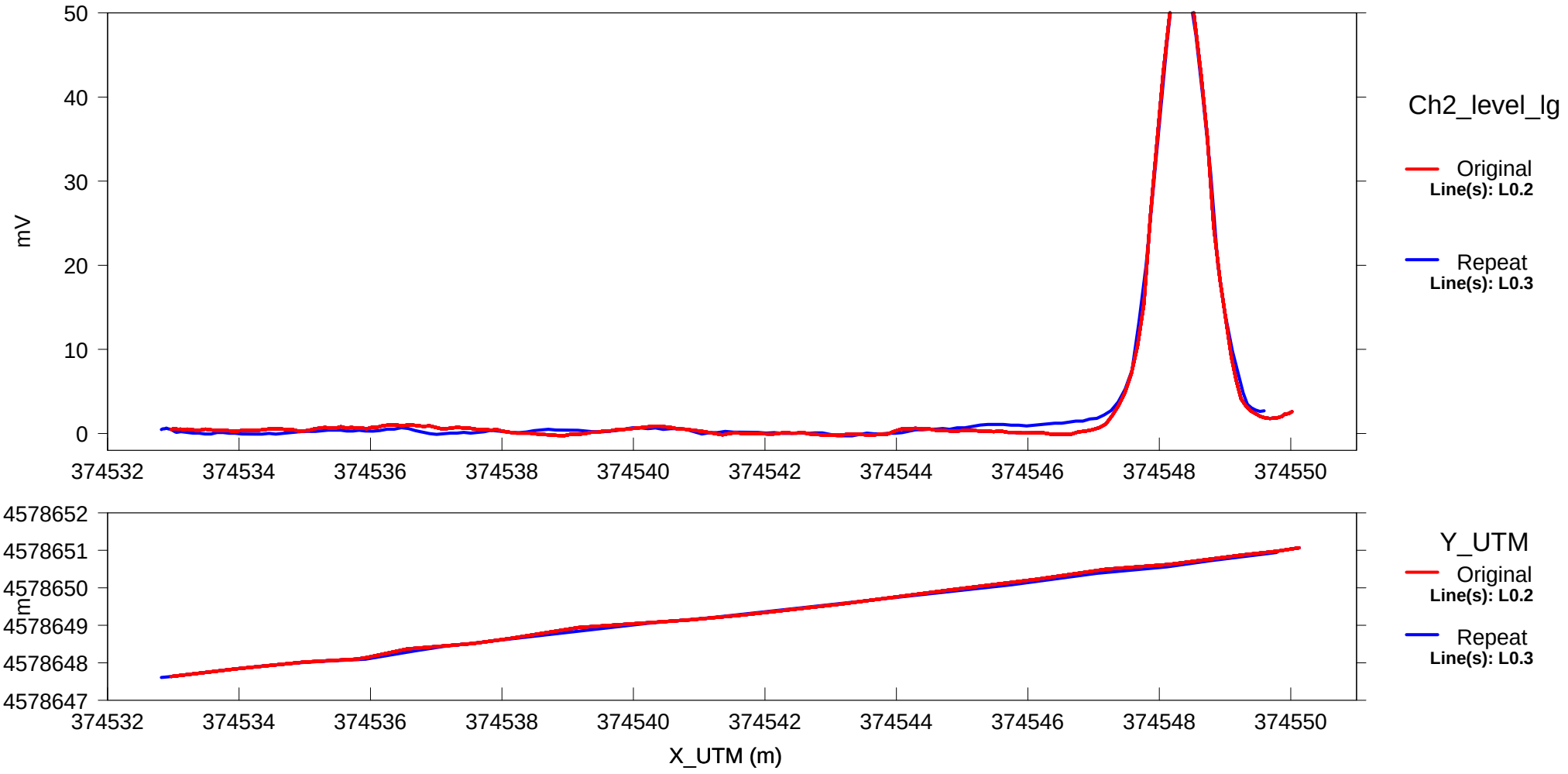
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0016
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

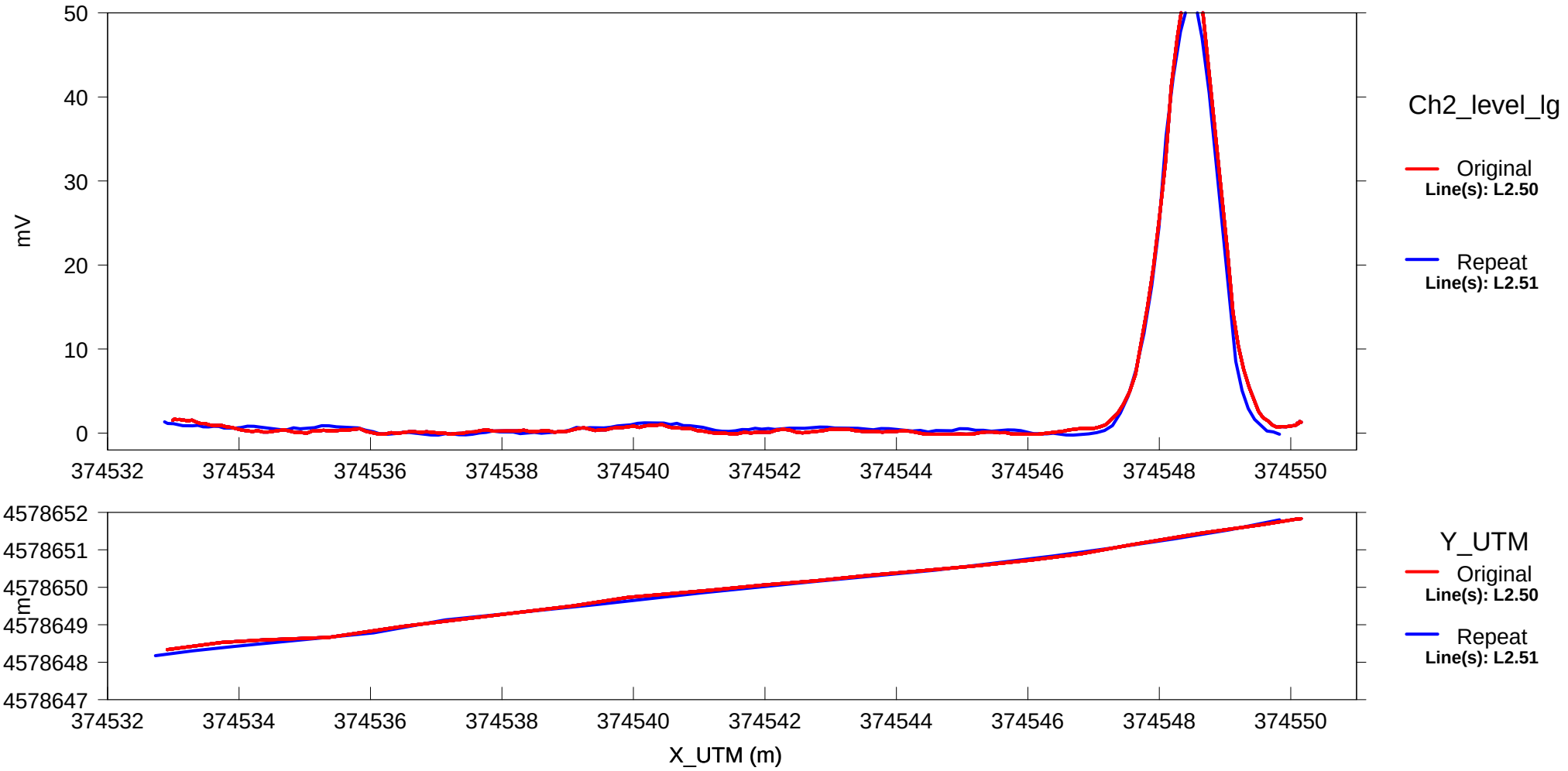
Date of Map Creation: 03/04/2011
Date of Survey: 03/03/2011

S0016 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0016_Repeat.gdb

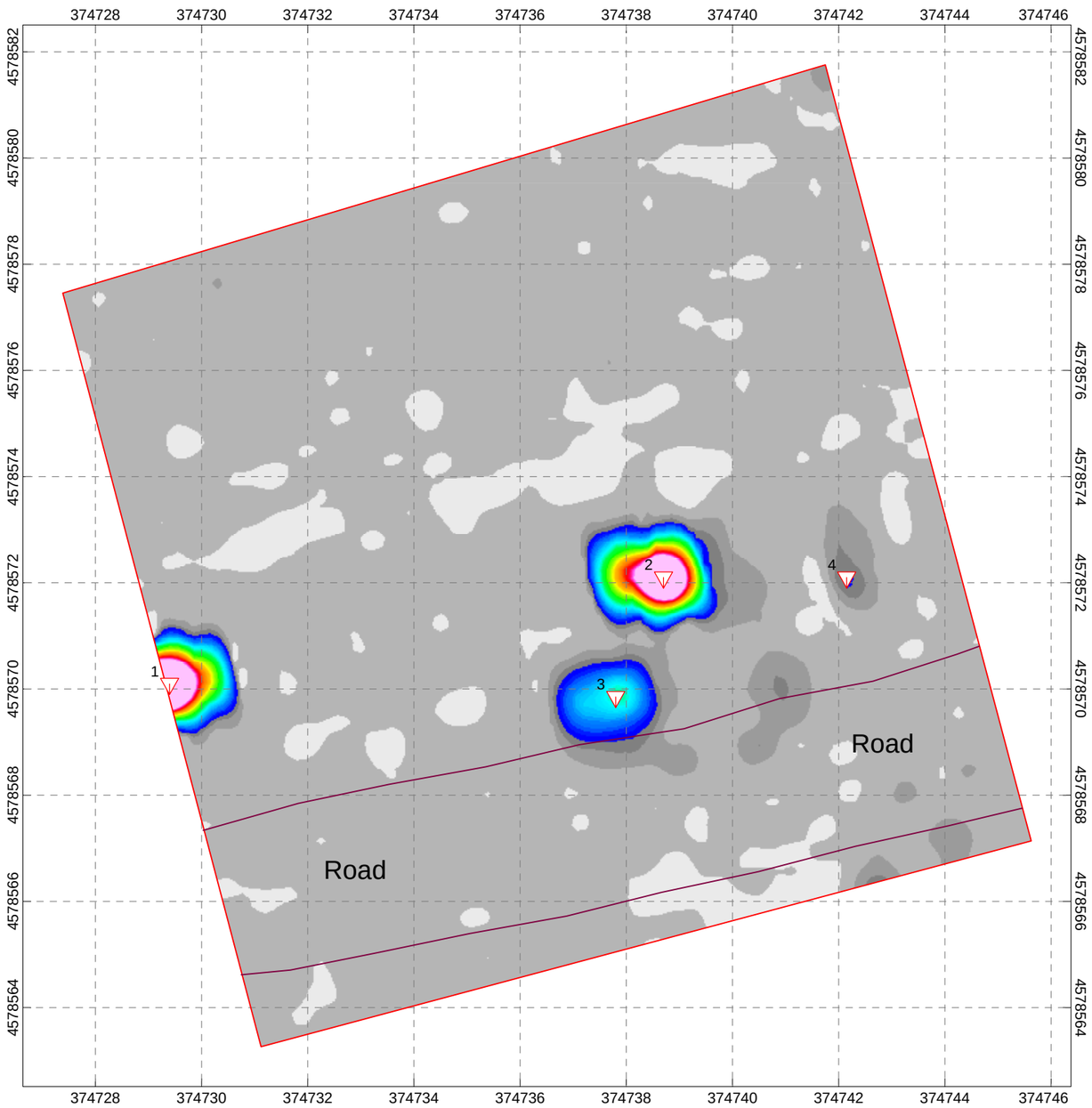
S0016 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

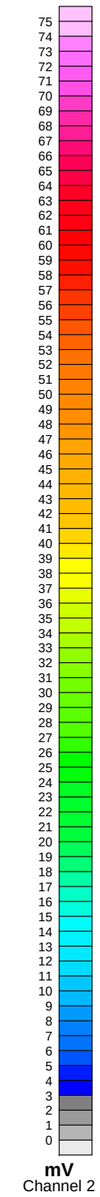


Database: S0016_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0016	S0016	S00160001	374546.4	4578663	90.89583	58.61939	33.25885	17.0157	0	0	
N10UXB0001	S0016	S0016	S00160002	374548.5	4578651	78.49312	50.66847	27.42024	11.44241	0	0	Secondary Pe
N10UXB0001	S0016	S0016	S00160003	374532.5	4578662	63.30048	38.66765	16.58975	5.219608	0	0	
N10UXB0001	S0016	S0016	S00160004	374545.5	4578662	45.96678	30.16681	17.7808	9.230475	0	0	
N10UXB0001	S0016	S0016	S00160005	374531.5	4578662	28.0384	16.9188	7.984143	2.764337	0	0	
N10UXB0001	S0016	S0016	S00160006	374546.6	4578664	15.9674	10.14991	5.402312	2.706004	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0017XXXX, eg. S00170002)

N

Scale 1:100

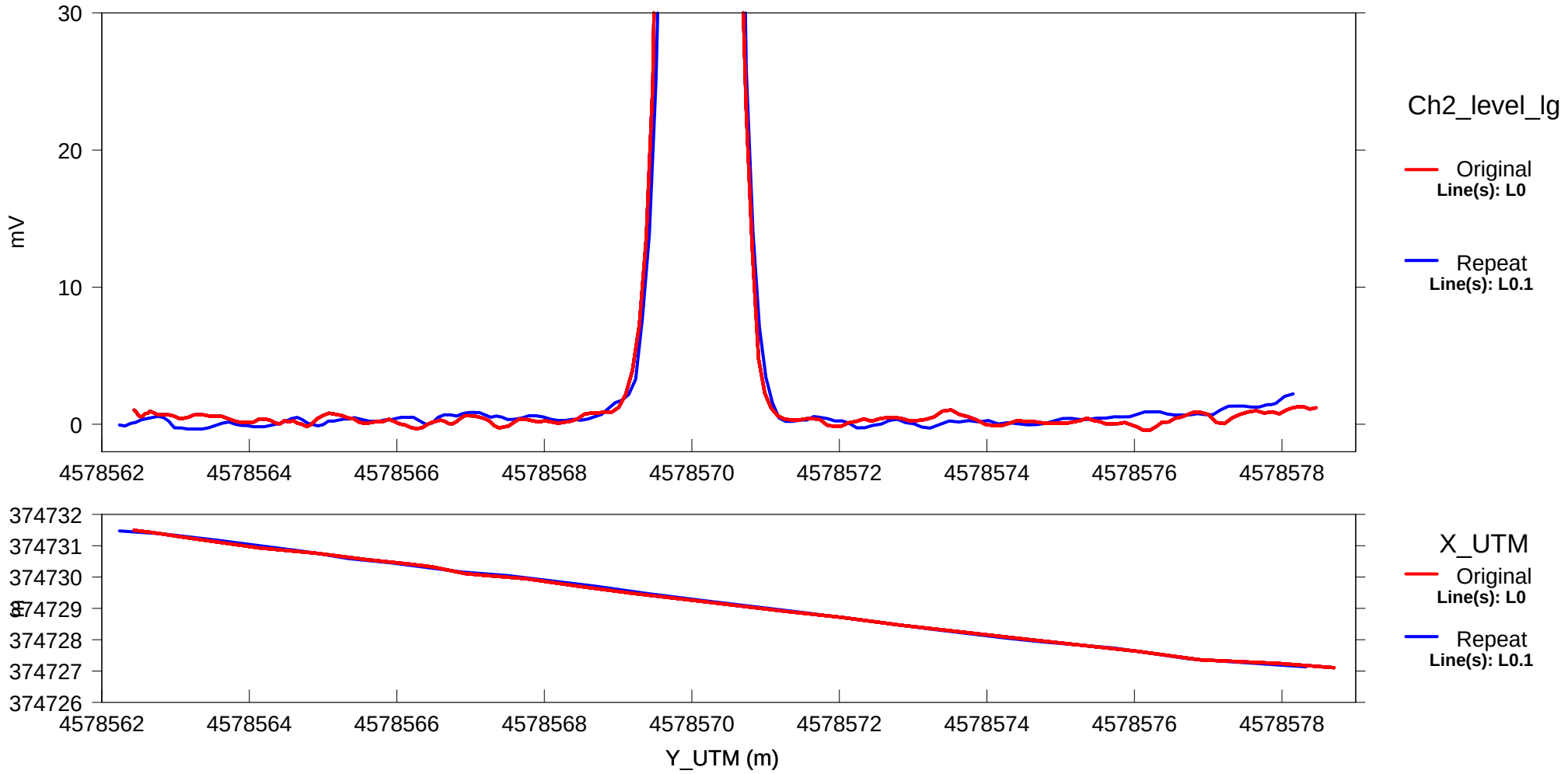
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0017
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

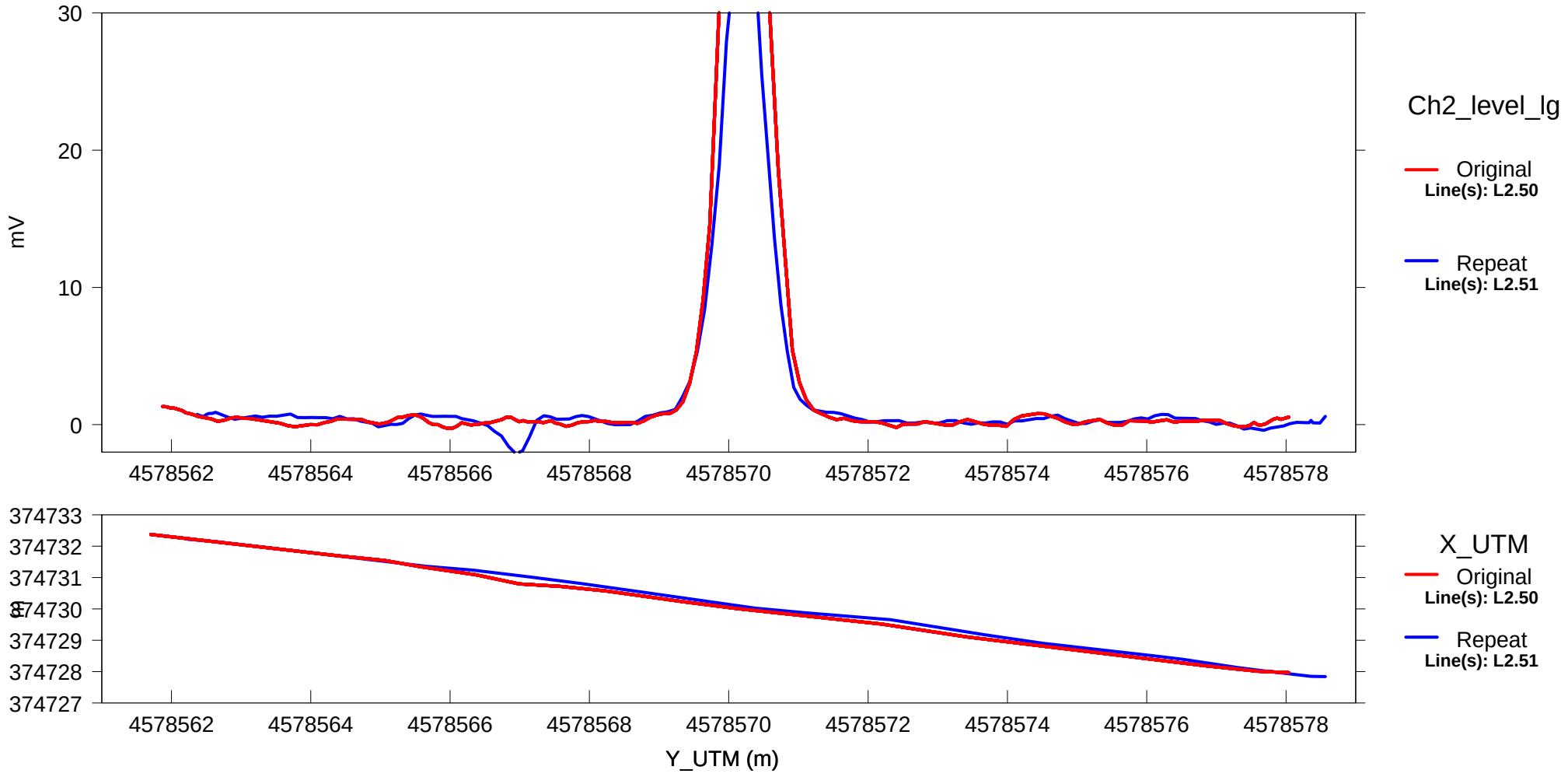
Date of Map Creation: 03/04/2011
Date of Survey: 03/03/2011

S0017 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0017_Repeat.gdb

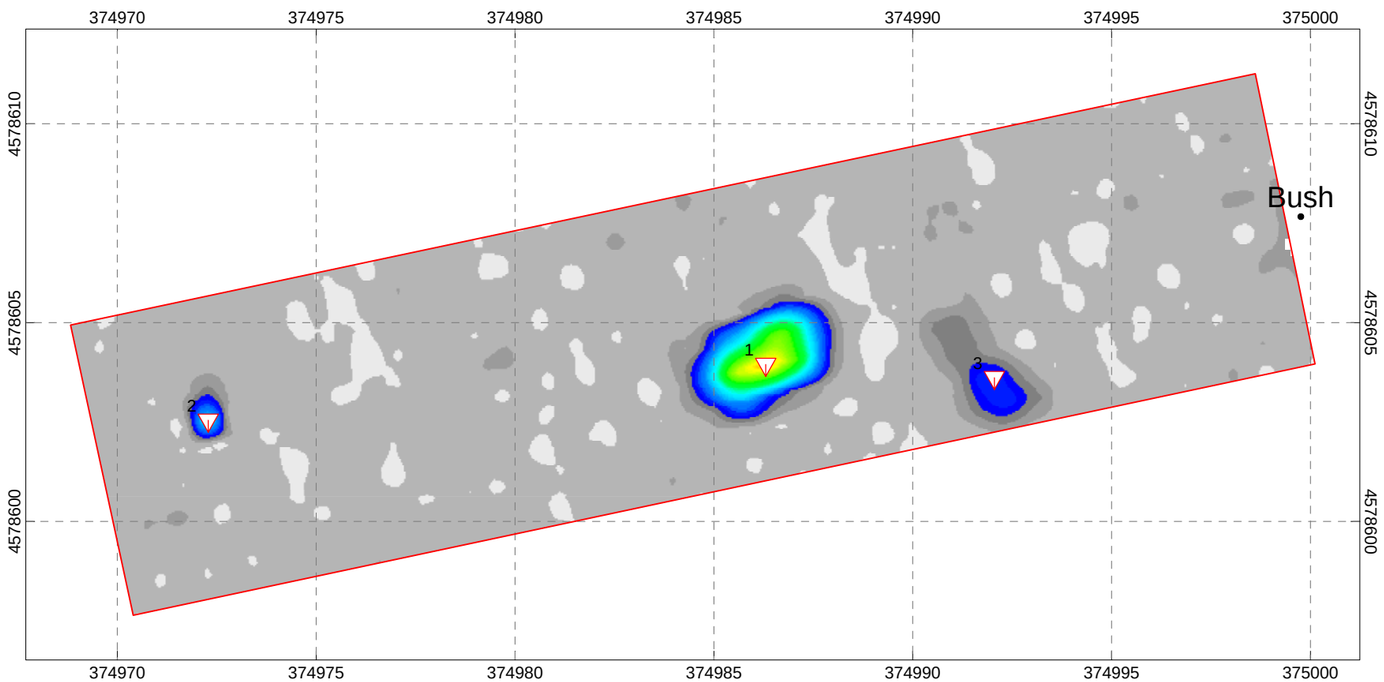
S0017 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

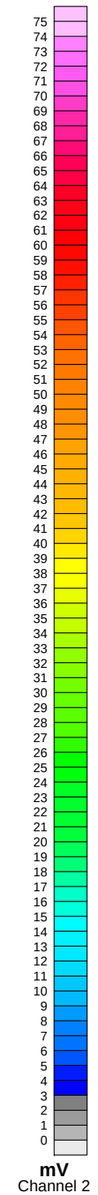


Database: S0017_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0017	S0017	S00170001	374729.4	4578570	294.5795	207.8483	107.1022	37.27374	0	0	
N10UXB0001	S0017	S0017	S00170002	374738.7	4578572	258.4822	182.8132	92.87148	31.84551	0	0	
N10UXB0001	S0017	S0017	S00170003	374737.8	4578570	32.52473	18.26126	7.559189	1.78383	0	0	
N10UXB0001	S0017	S0017	S00170004	374742.2	4578572	5.038575	3.362273	2.008279	1.013484	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0018XXXX, eg. S00180002)

N

Scale 1:150

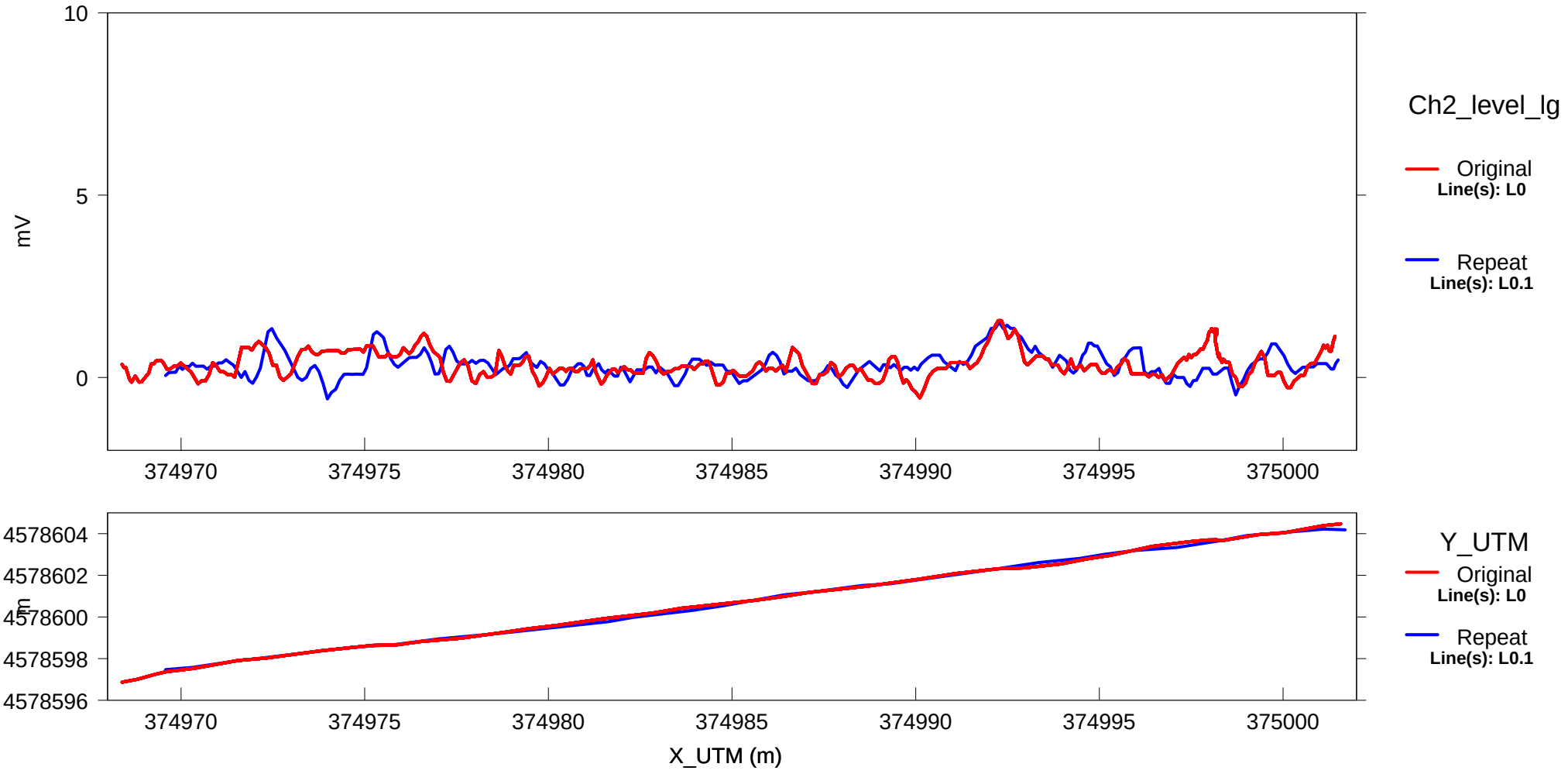
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0018
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

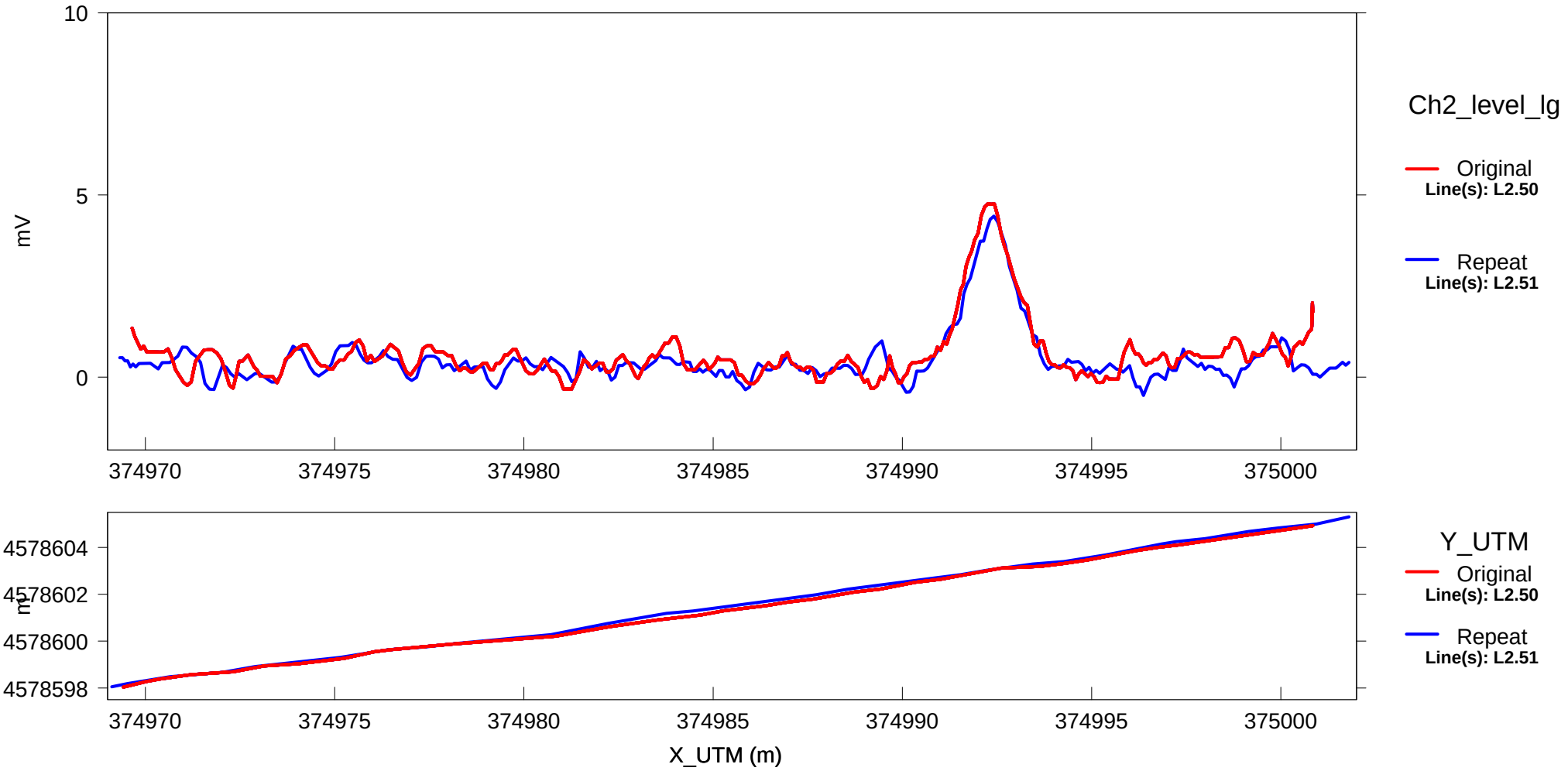
Date of Map Creation: 03/07/2011
Date of Survey: 03/04/2011

S0018 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0018_Repeat.gdb

S0018 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0018_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource
N10UXB0001	S0018	S0018	S00180001	374986.302	4578603.947	68.90842511	42.67482781	18.77504384	4.825047161	0	0
N10UXB0001	S0018	S0018	S00180002	374972.284	4578602.543	45.54296996	12.98457963	1.291933065	0.095290409	0	0
N10UXB0001	S0018	S0018	S00180003	374992.054	4578603.615	8.403760712	5.171457022	2.73937684	1.155148048	0	0

Comments
Anomaly footprint extends roughly 3.5 x 2.5m.

NAeVA GEOPHYSICS INC.
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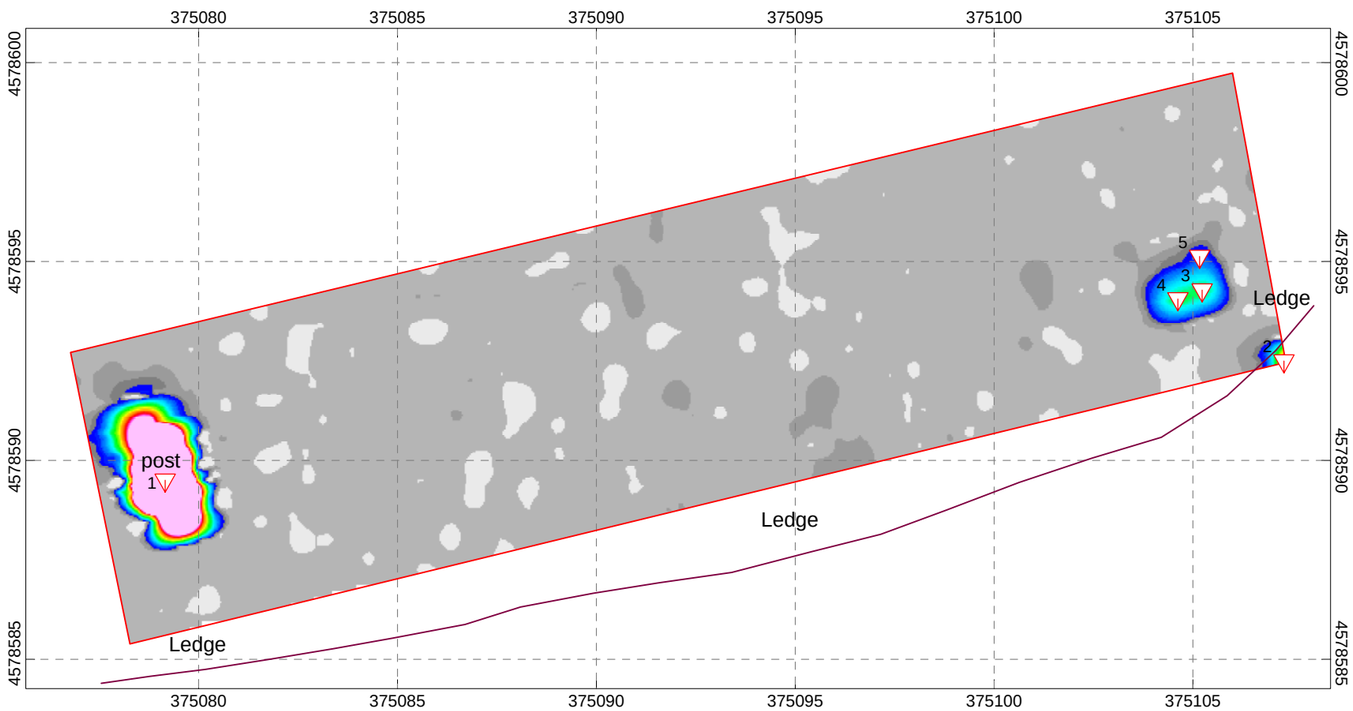
Subsurface Geophysical Surveys



Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0019XXXX, eg. S00190002)

Scale 1:150

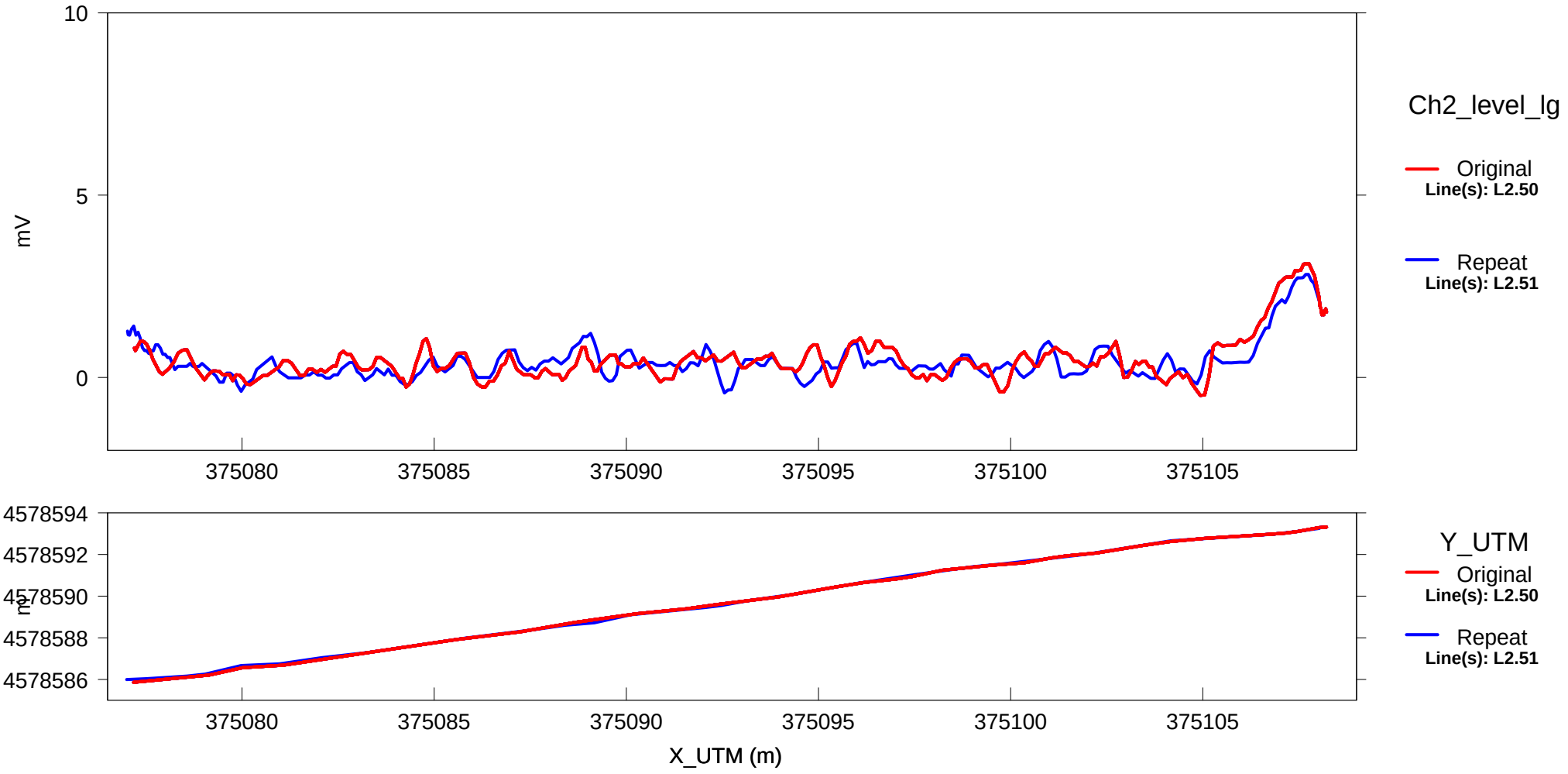
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0019
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

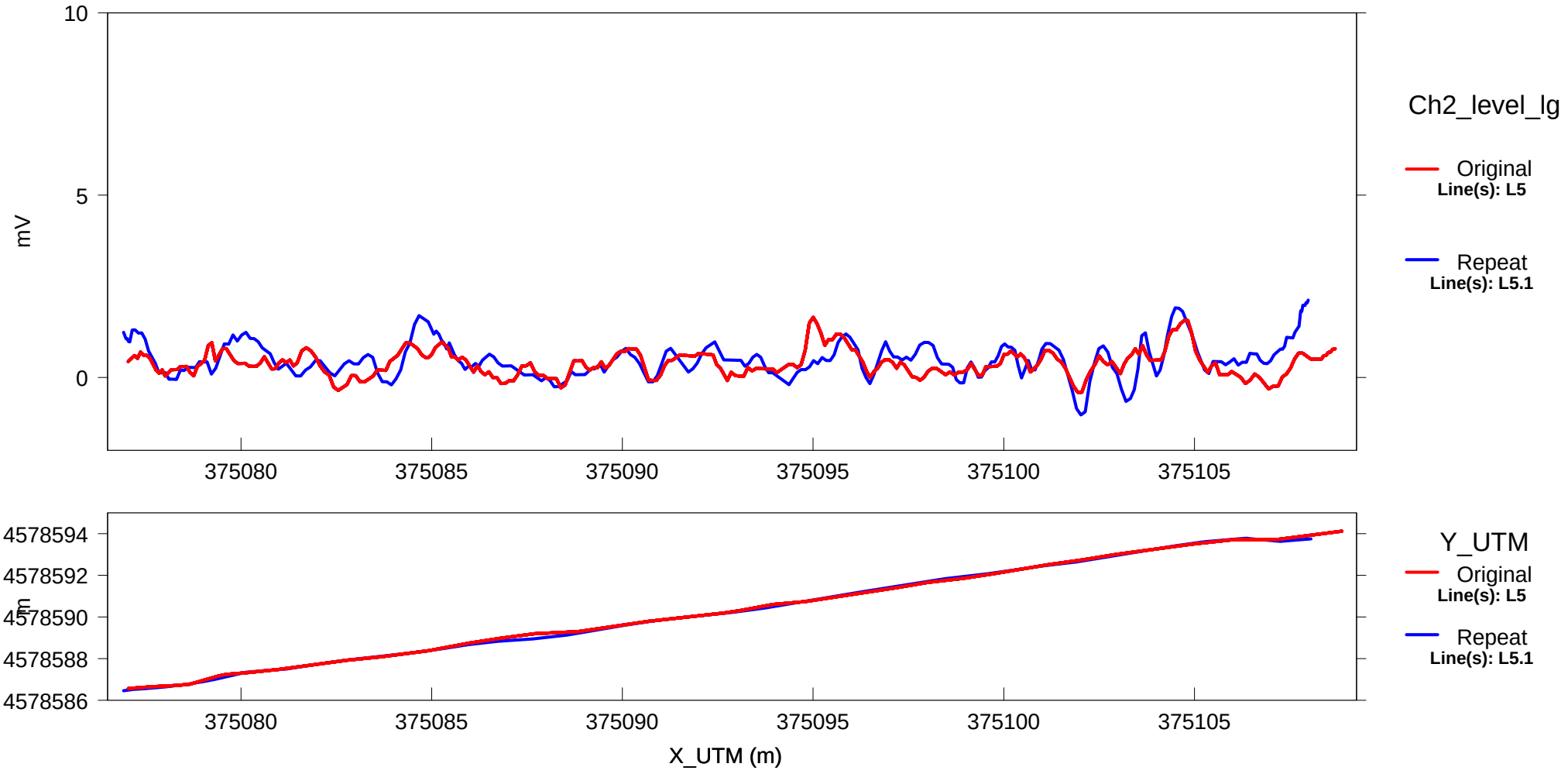
Date of Map Creation: 03/07/2011
Date of Survey: 03/04/2011

S0019 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0019_Repeat.gdb

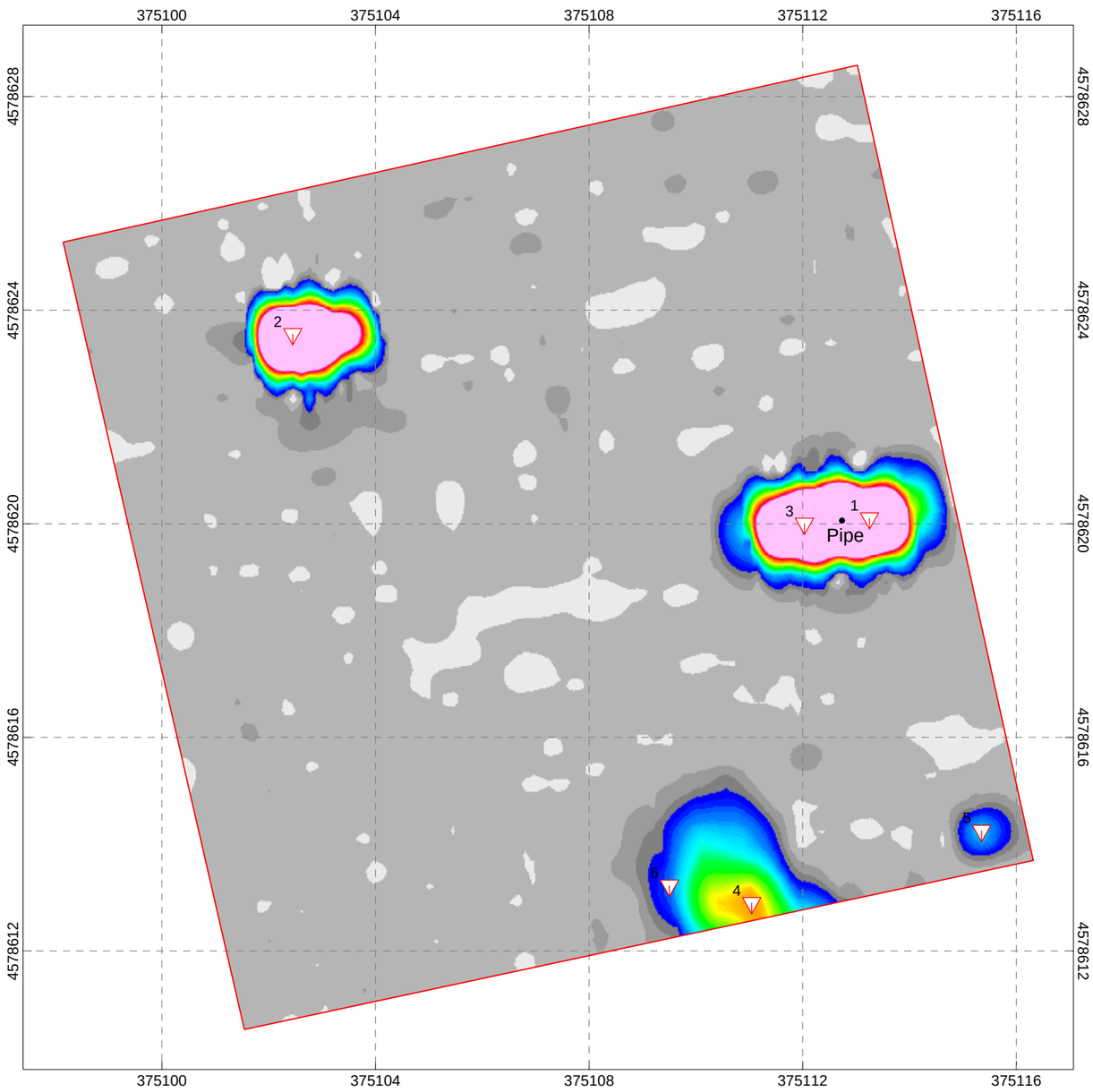
S0019 Repeat Line 5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

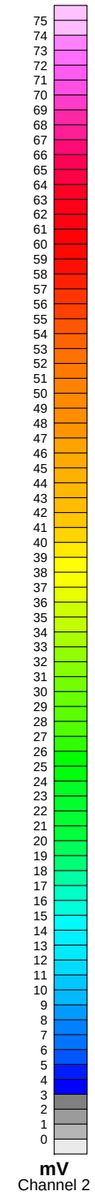


Database: S0019_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0019	S0019	S00190001	375079.156	4578589.5	2904.682561	2084.297851	1147.63015	480.7831073	0	0	Target footprint extends roughly 2.5 x 4m. Most
N10UXB0001	S0019	S0019	S00190002	375107.2863	4578592.498	188.2396242	121.8546807	55.79113361	11.2042878	0	0	Target is roughly .3m East
N10UXB0001	S0019	S0019	S00190003	375105.231	4578594.282	45.74194336	22.42793121	6.177928979	0.926666829	0	0	
N10UXB0001	S0019	S0019	S00190004	375104.622	4578594.059	46.0334152	22.1708017	6.758996134	1.747969901	0	0	
N10UXB0001	S0019	S0019	S00190005	375105.166	4578595.127	13.34125702	6.281186082	1.823742509	0.252898381	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target (See Target List For Response and Location) (Unique Target ID is S0020XXXX, eg. S00200002)

N

Scale 1:100

1 0 1 2 3 4 5 6

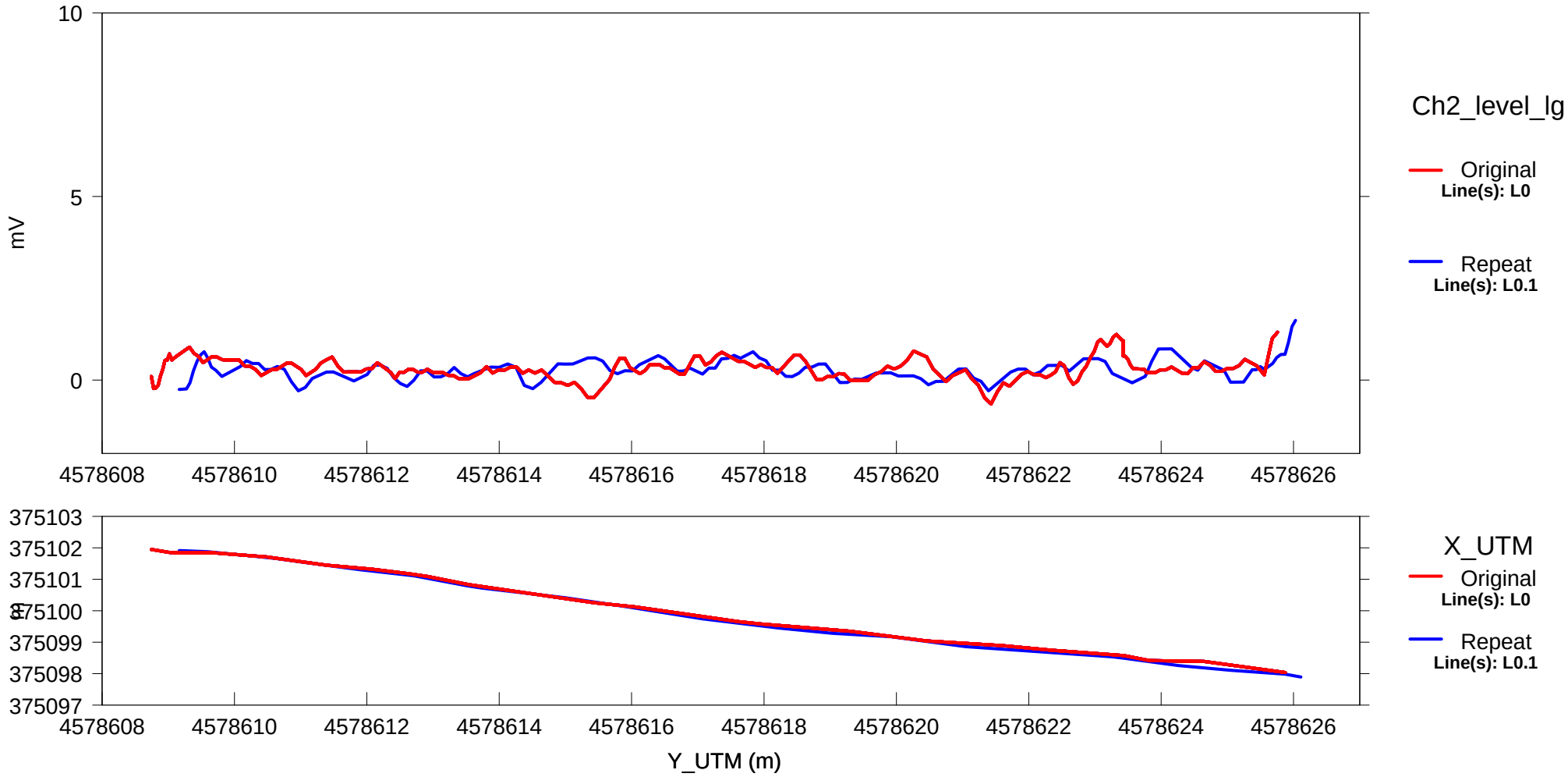
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0020
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

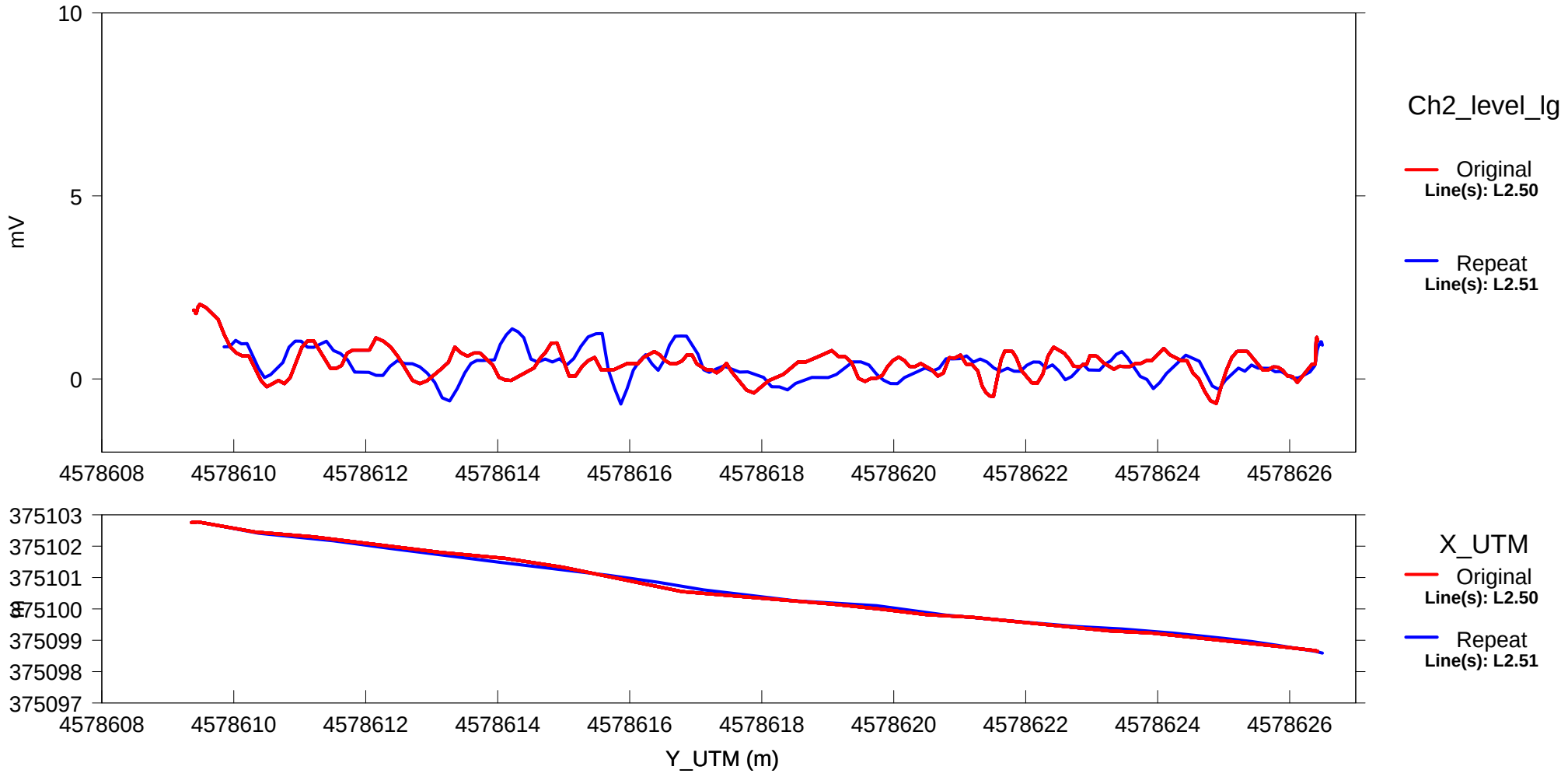
Date of Map Creation: 03/07/2011
Date of Survey: 03/04/2011

S0020 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0020_Repeat.gdb

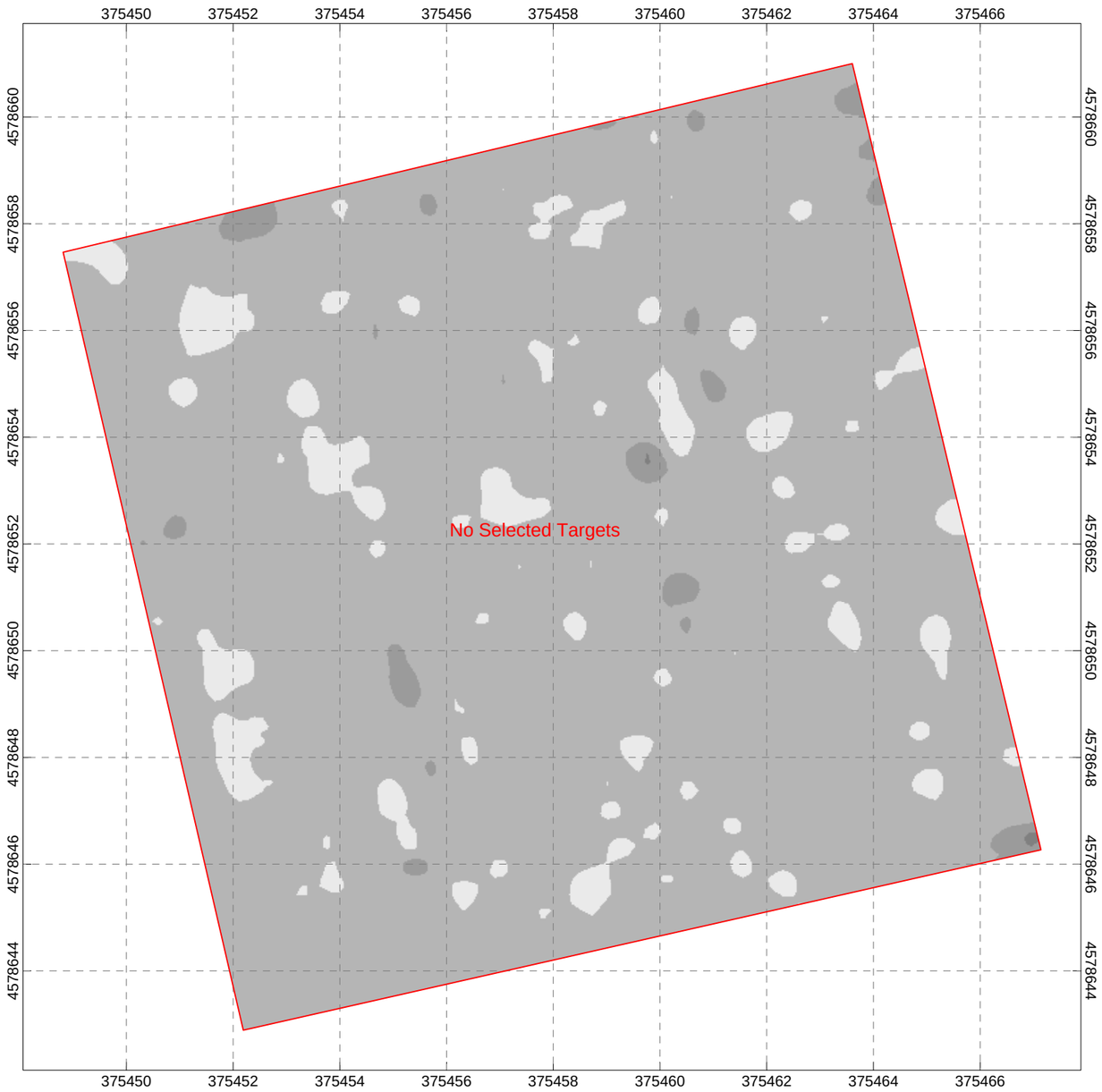
S0020 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

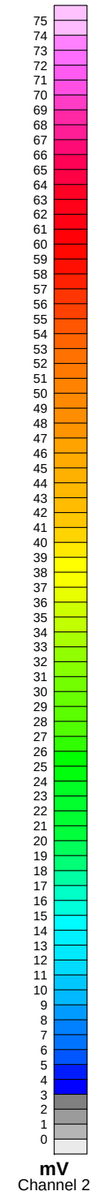


Database: S0020_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0020	S0020	S00200001	375113.3	4578620	913.0303	632.3634	324.8142	114.7385	0	0	Target Associ
N10UXB0001	S0020	S0020	S00200002	375102.5	4578624	722.5215	570.3434	359.3918	180.605	0	0	
N10UXB0001	S0020	S0020	S00200003	375112	4578620	710.1466	468.176	219.311	70.12349	0	0	Target Associ
N10UXB0001	S0020	S0020	S00200004	375111	4578613	89.91096	47.24177	15.22031	2.39275	0	0	Secondary Pe
N10UXB0001	S0020	S0020	S00200005	375115.4	4578614	15.8612	11.15663	5.499557	2.025956	0	0	
N10UXB0001	S0020	S0020	S00200006	375109.5	4578613	10.65765	6.107022	2.504636	1.097007	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0021XXXX, eg. S00210002)

Scale 1:100

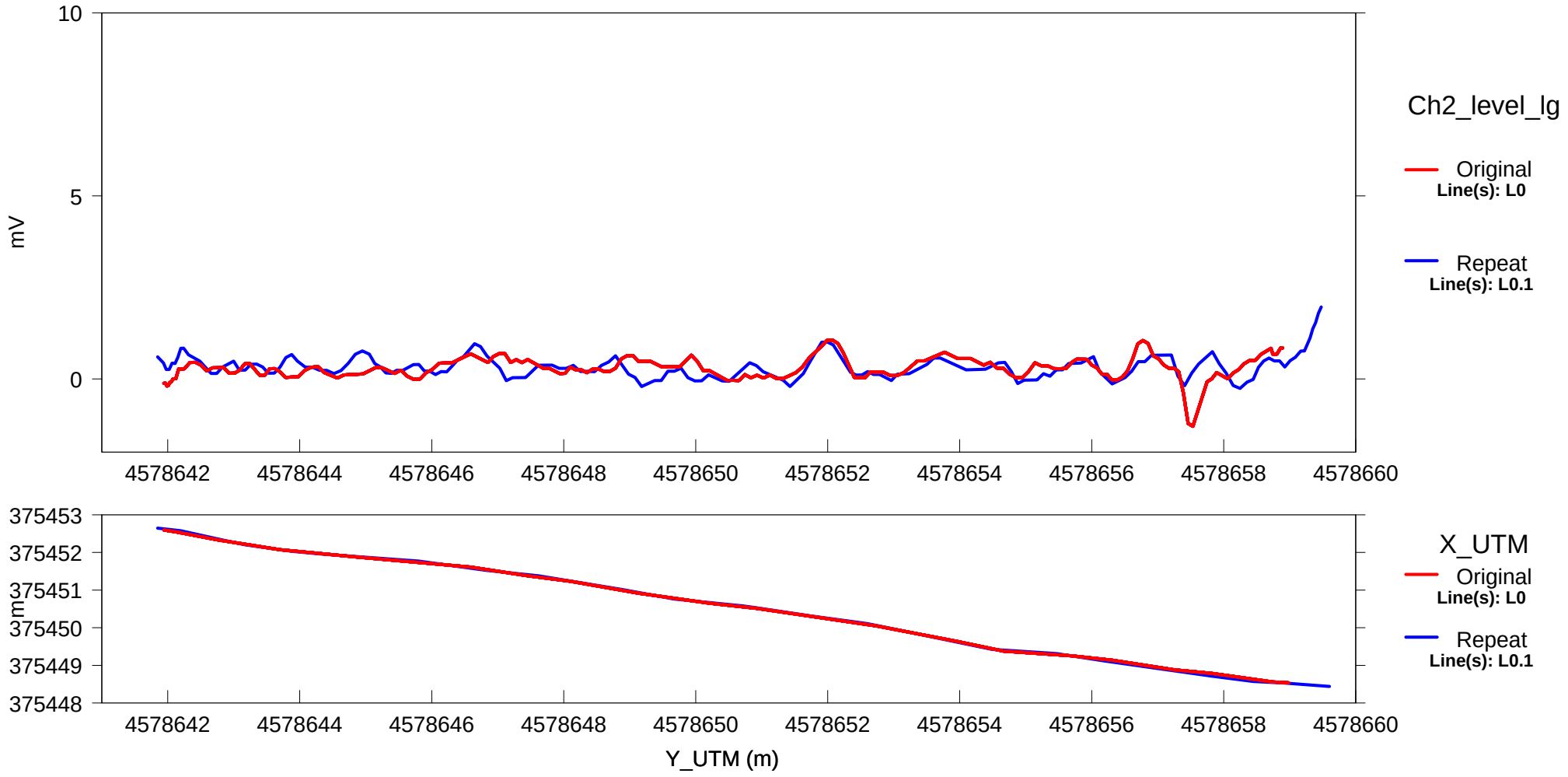
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0021
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

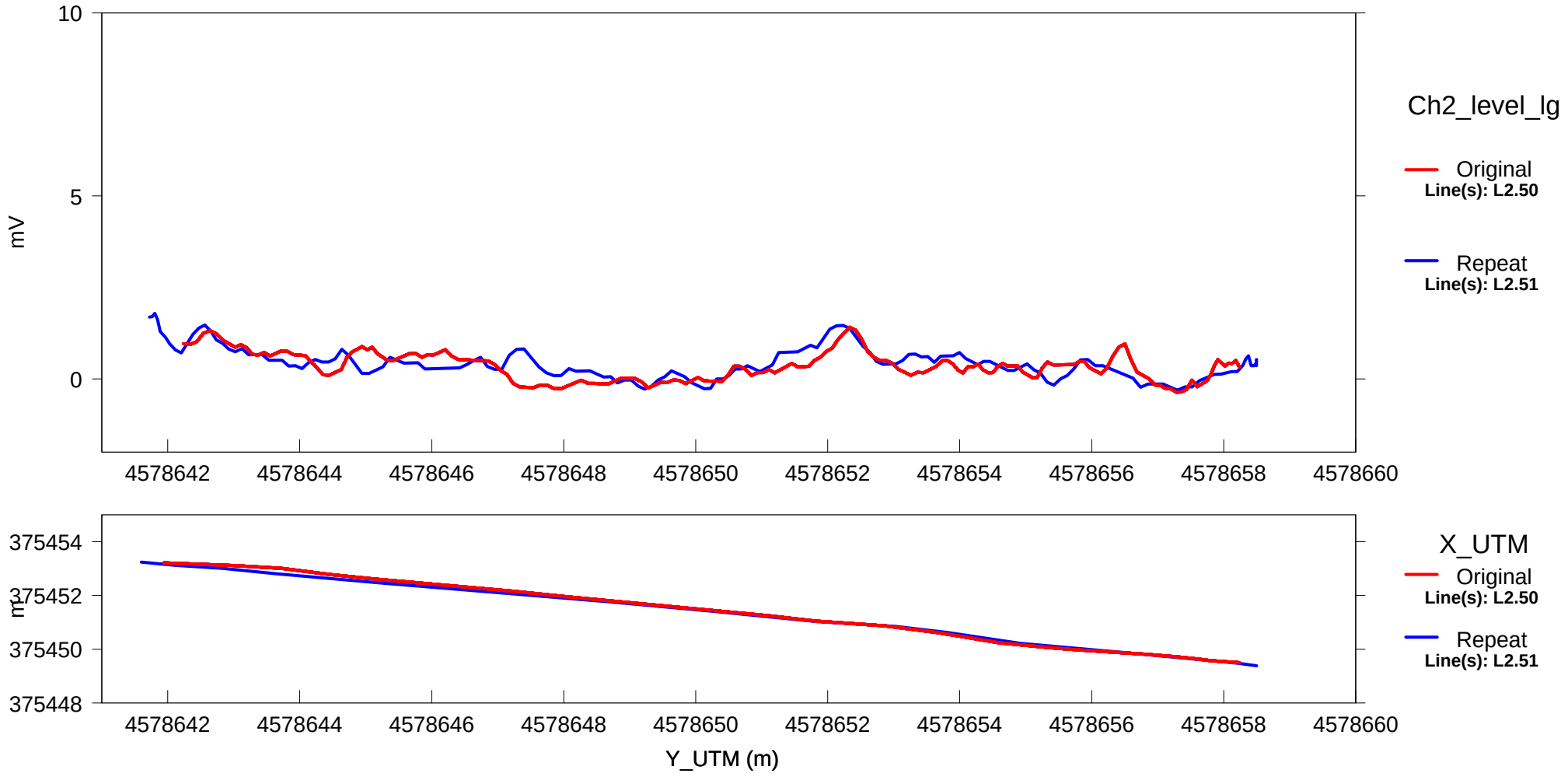
Date of Map Creation: 03/07/2011
Date of Survey: 03/04/2011

S0021 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0021_Repeat.gdb

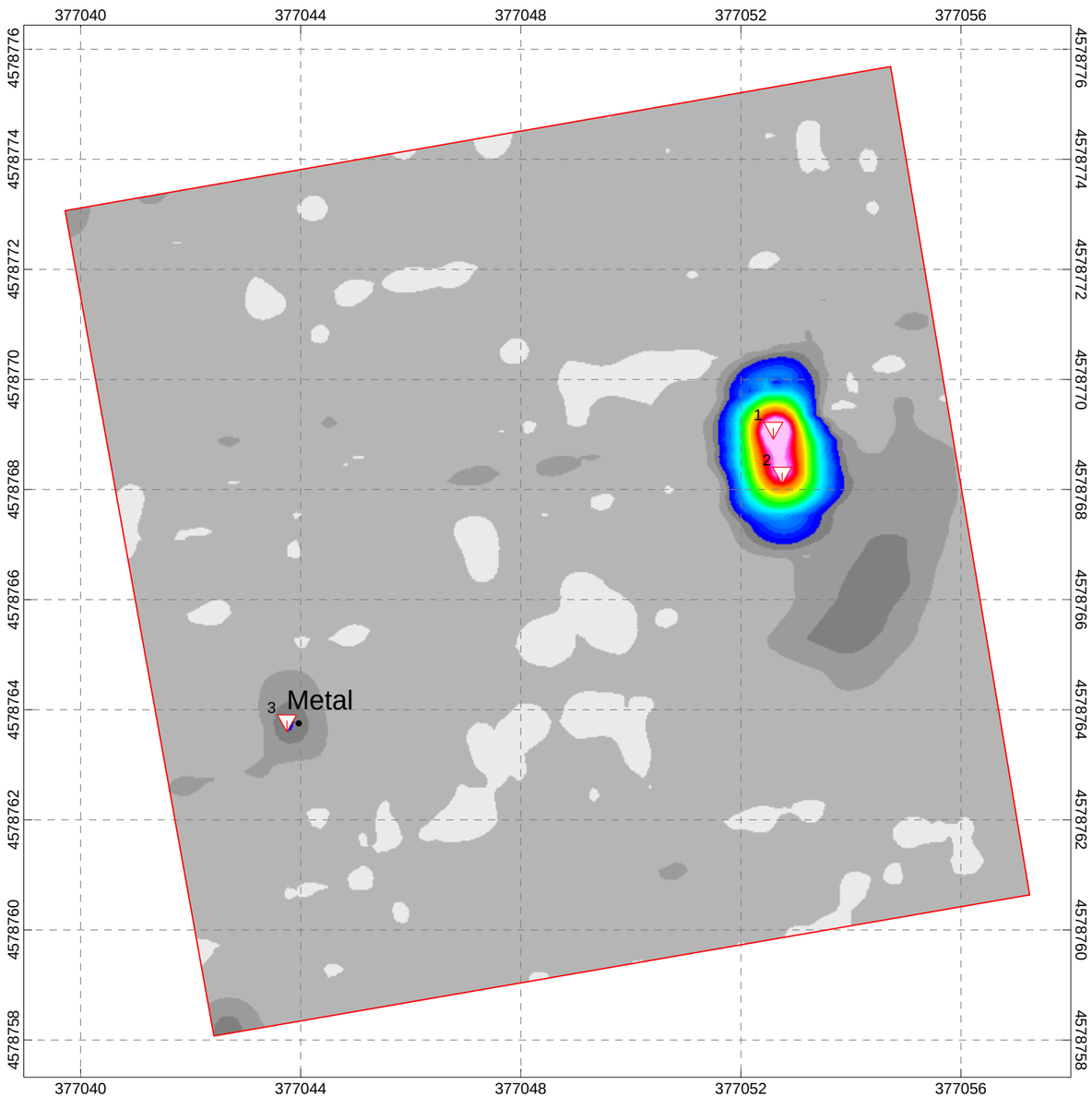
S0021 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

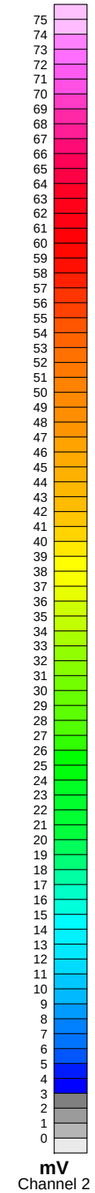


Database: S0021_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0021	S0021	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target (See Target List For Response and Location) (Unique Target ID is S0022XXXX, eg. S00220002)

Scale 1:100

1 0 1 2 3 4 5 6

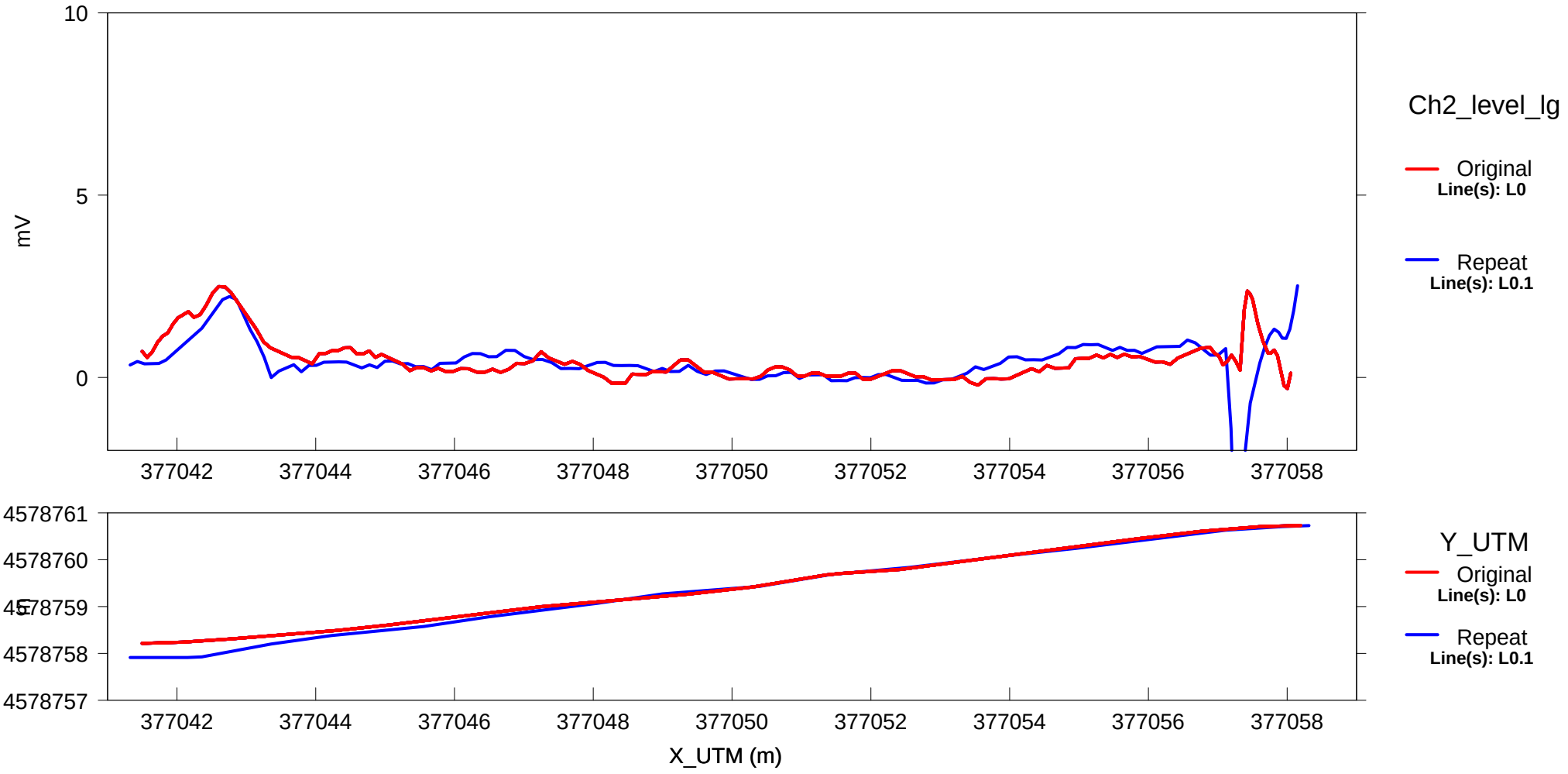
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0022
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

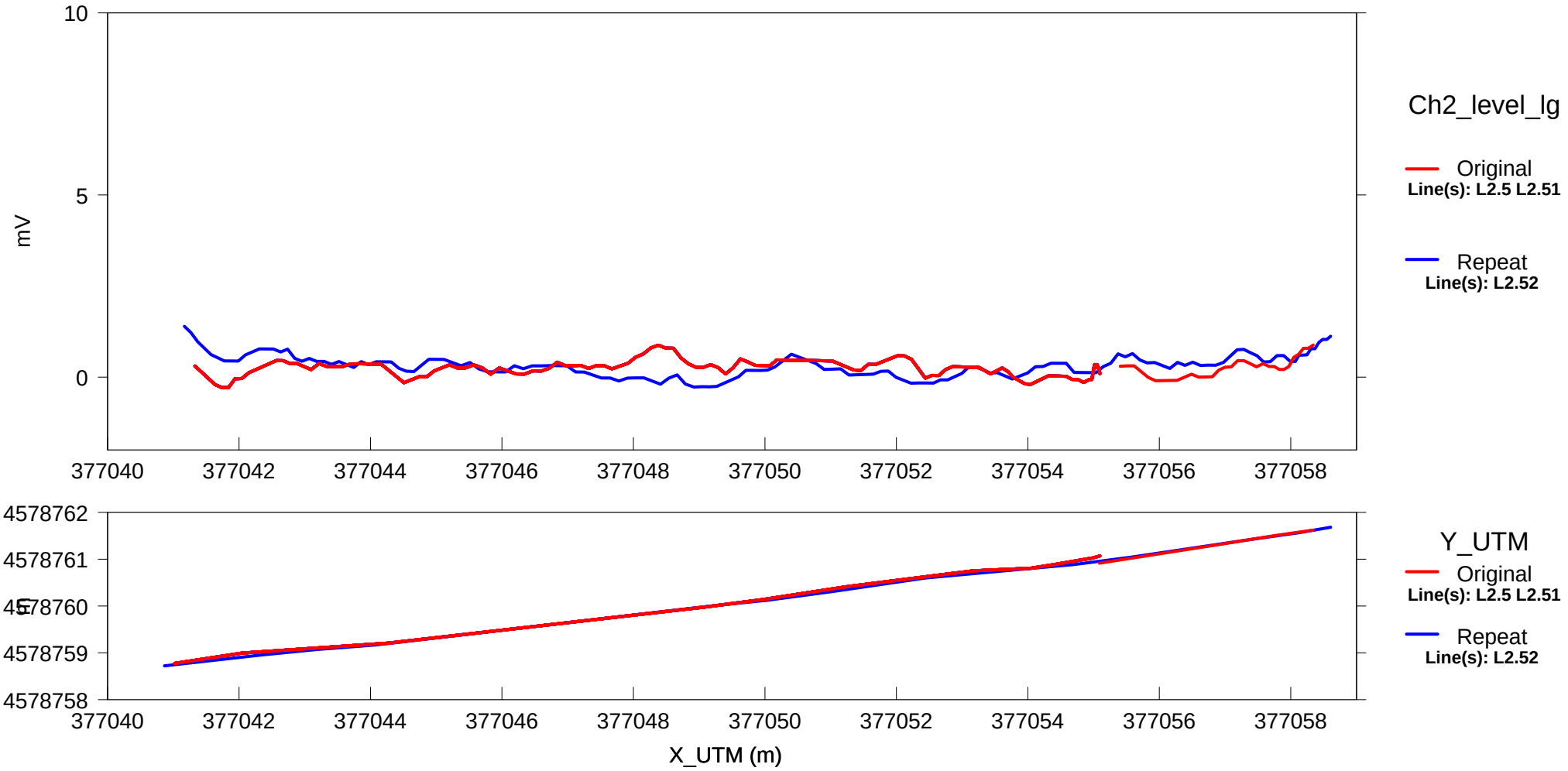
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0022 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0022_Repeat.gdb

S0022 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0022_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0022	S0022	S00220001	377052.6	4578769	137.1972	97.57404	57.37266	28.48161	0	0	Secondary Pe
N10UXB0001	S0022	S0022	S00220002	377052.8	4578768	123.3573	79.00652	40.0679	16.73769	0	0	
N10UXB0001	S0022	S0022	S00220003	377043.8	4578764	10.60641	3.157158	0.452139	0.145415	0	0	Target Associ

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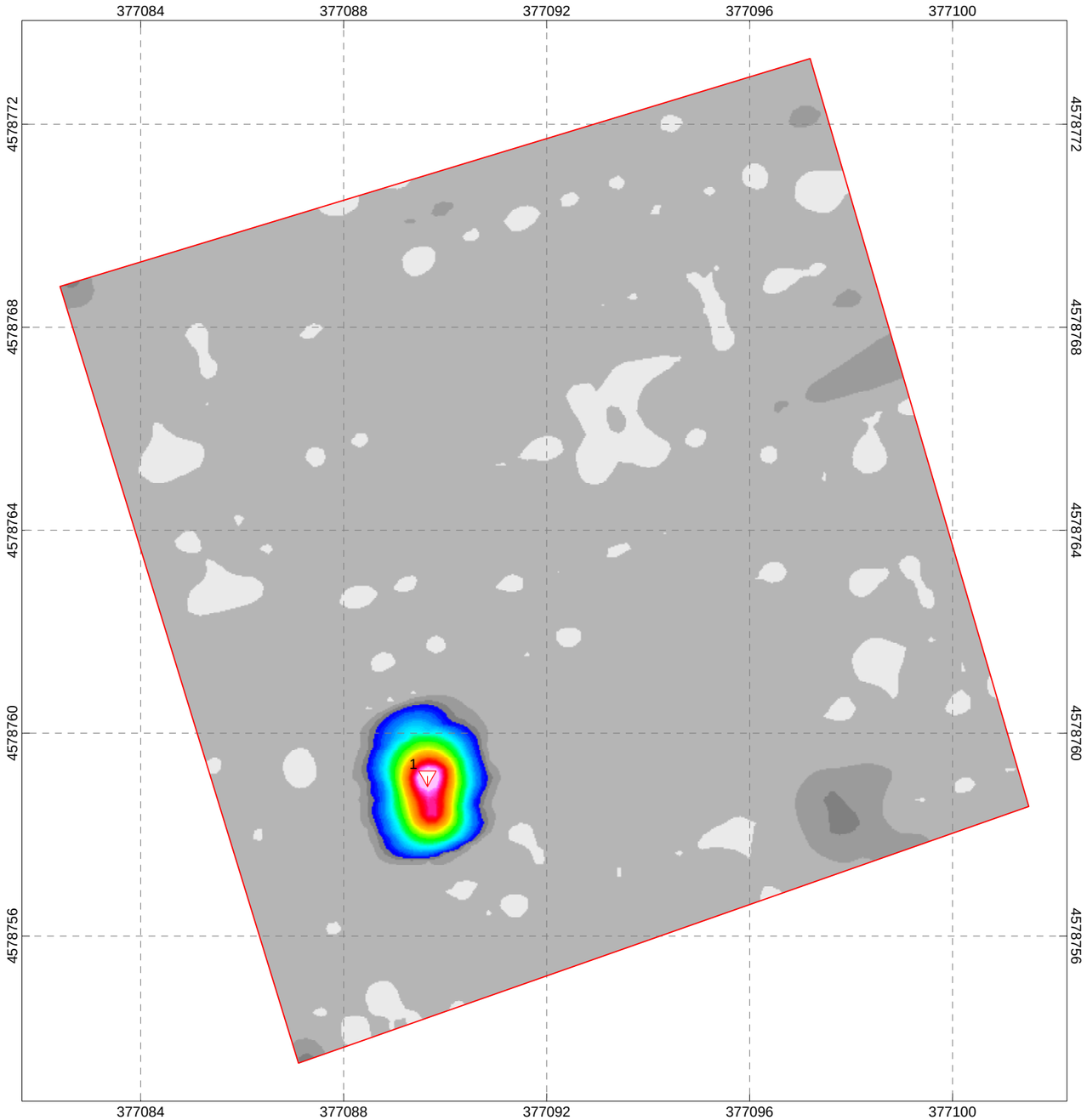
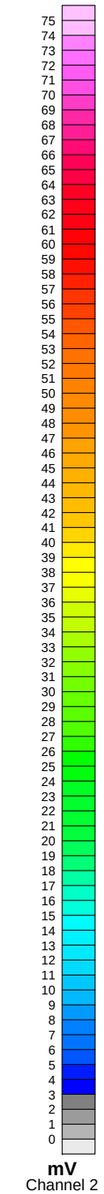




Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target
  (See Target List For Response and Location)
  (Unique Target ID is S0023XXXX, eg. S00230002)

Scale 1:100

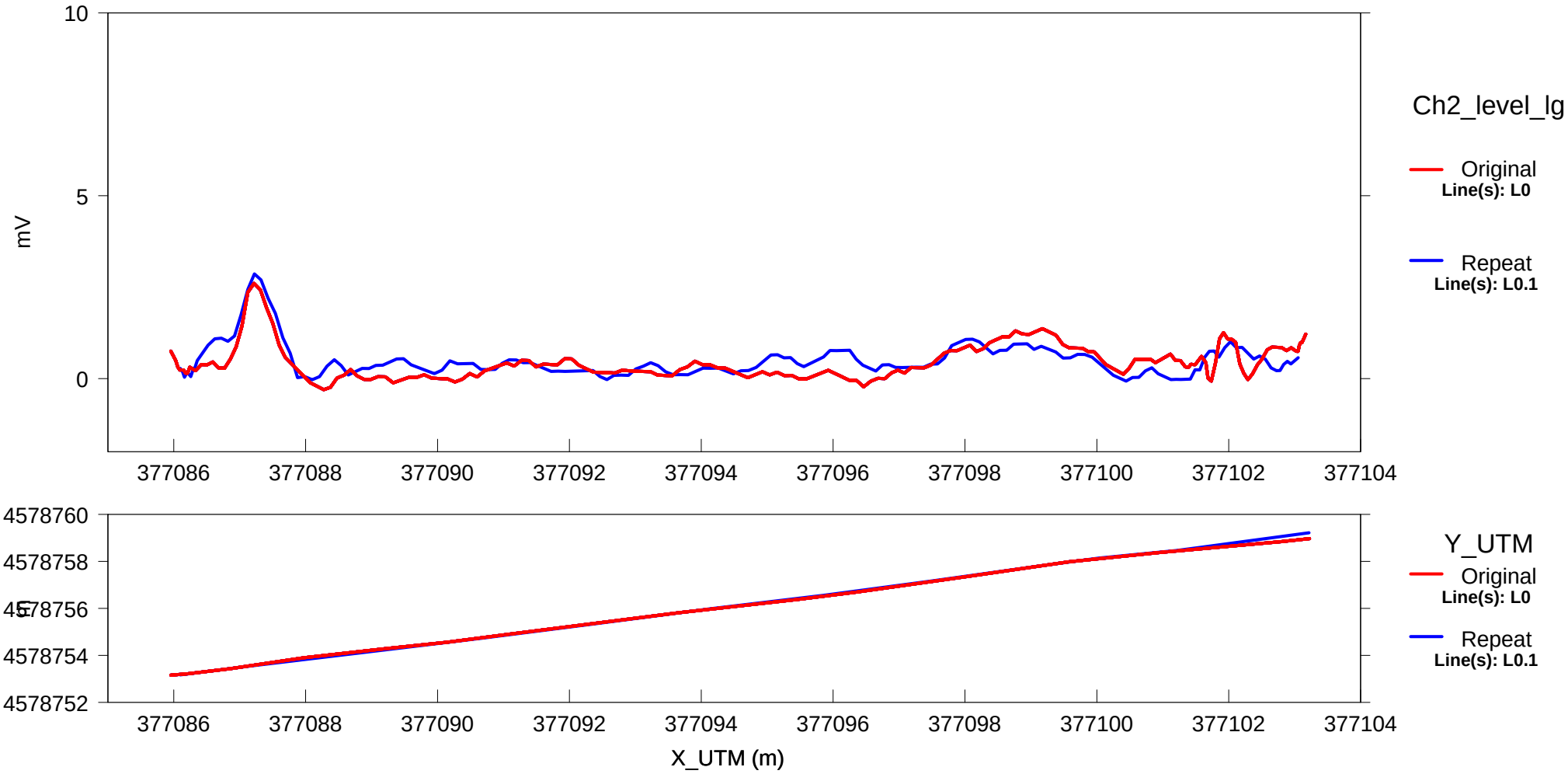
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0023
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

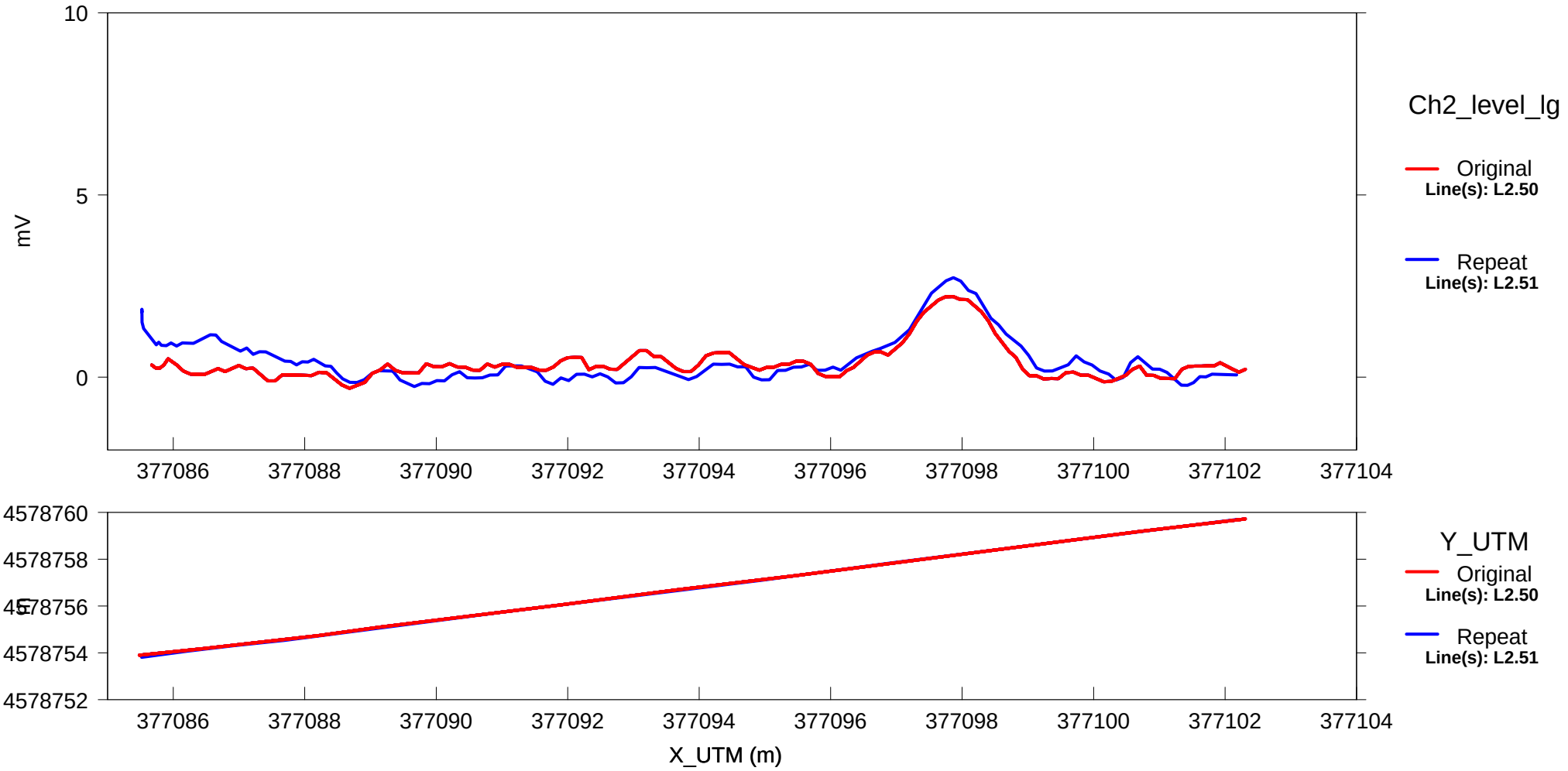
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0023 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0023_Repeat.gdb

S0023 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0023_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0023	S0023	S00230001	377089.7	4578759	145.7731	89.43471	42.64093	16.10783	0	0	Secondary Pe

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
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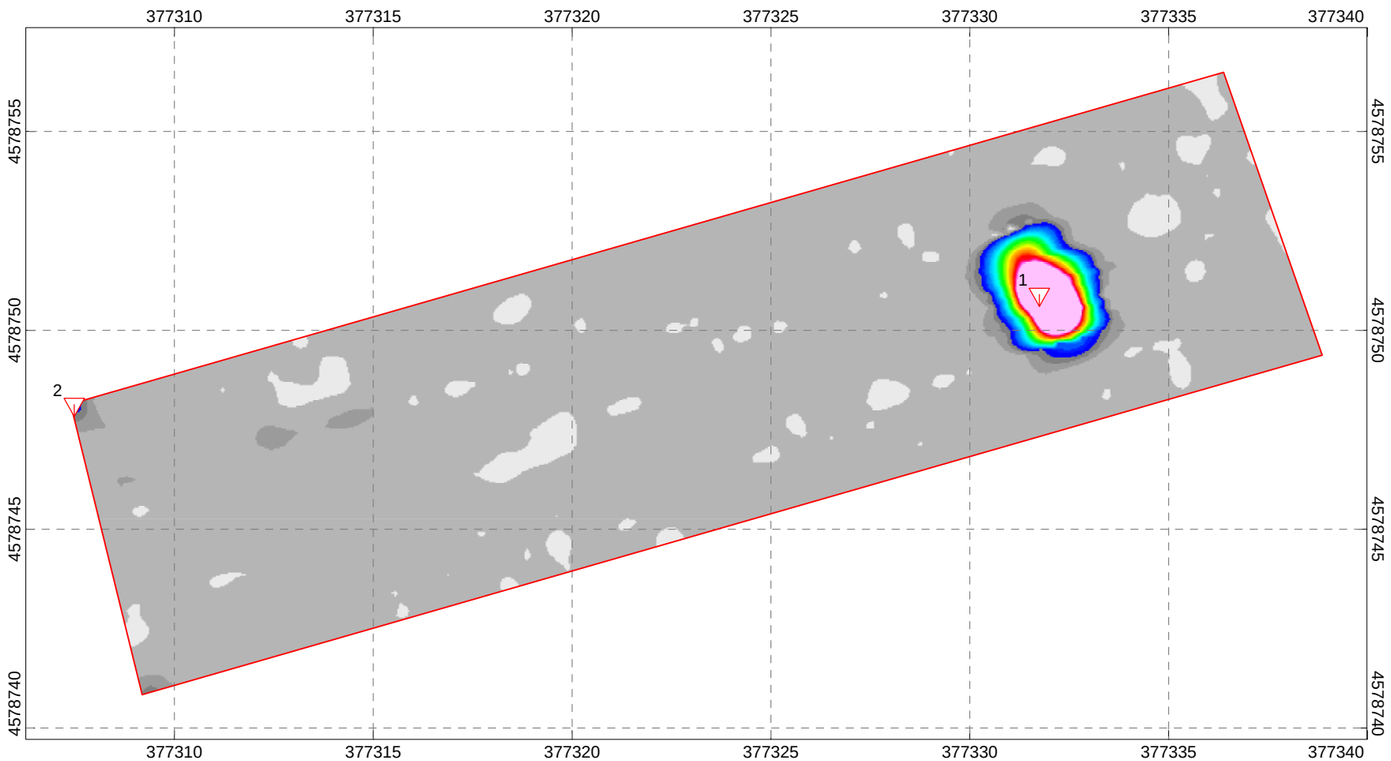
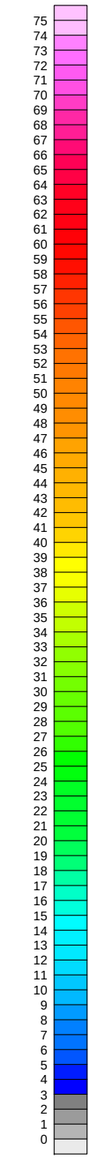




Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target
  (See Target List For Response and Location)
  (Unique Target ID is S0024XXXX, eg. S00240002)

Scale 1:150

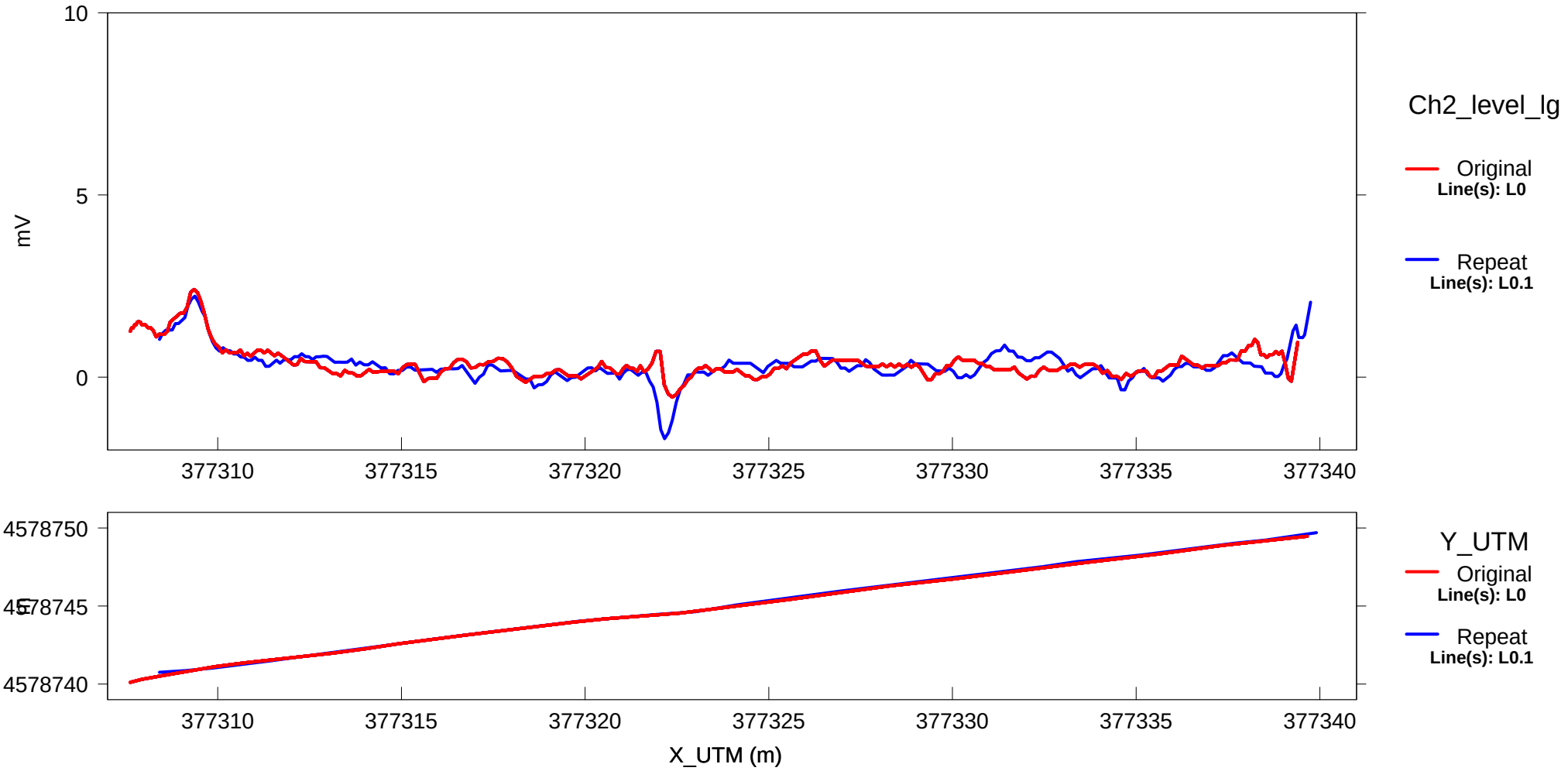
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0024
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

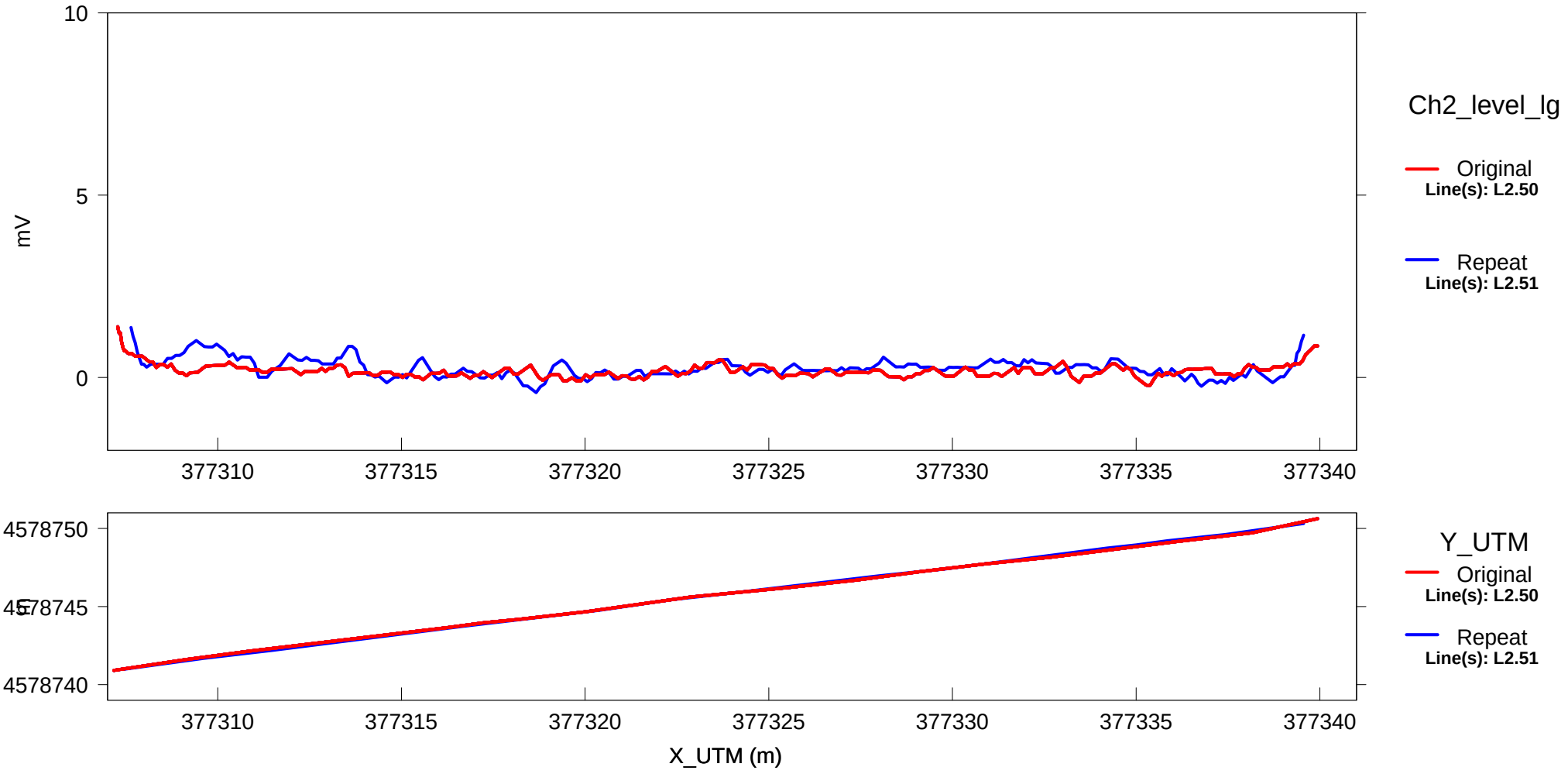
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0024 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0024_Repeat.gdb

S0024 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0024_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0024	S0024	S00240001	377331.8	4578751	345.8892	230.5737	128.4292	58.85593	0	0	
N10UXB0001	S0024	S0024	S00240002	377307.5	4578748	7.736819	3.604142	1.169425	0.259786	0	0	

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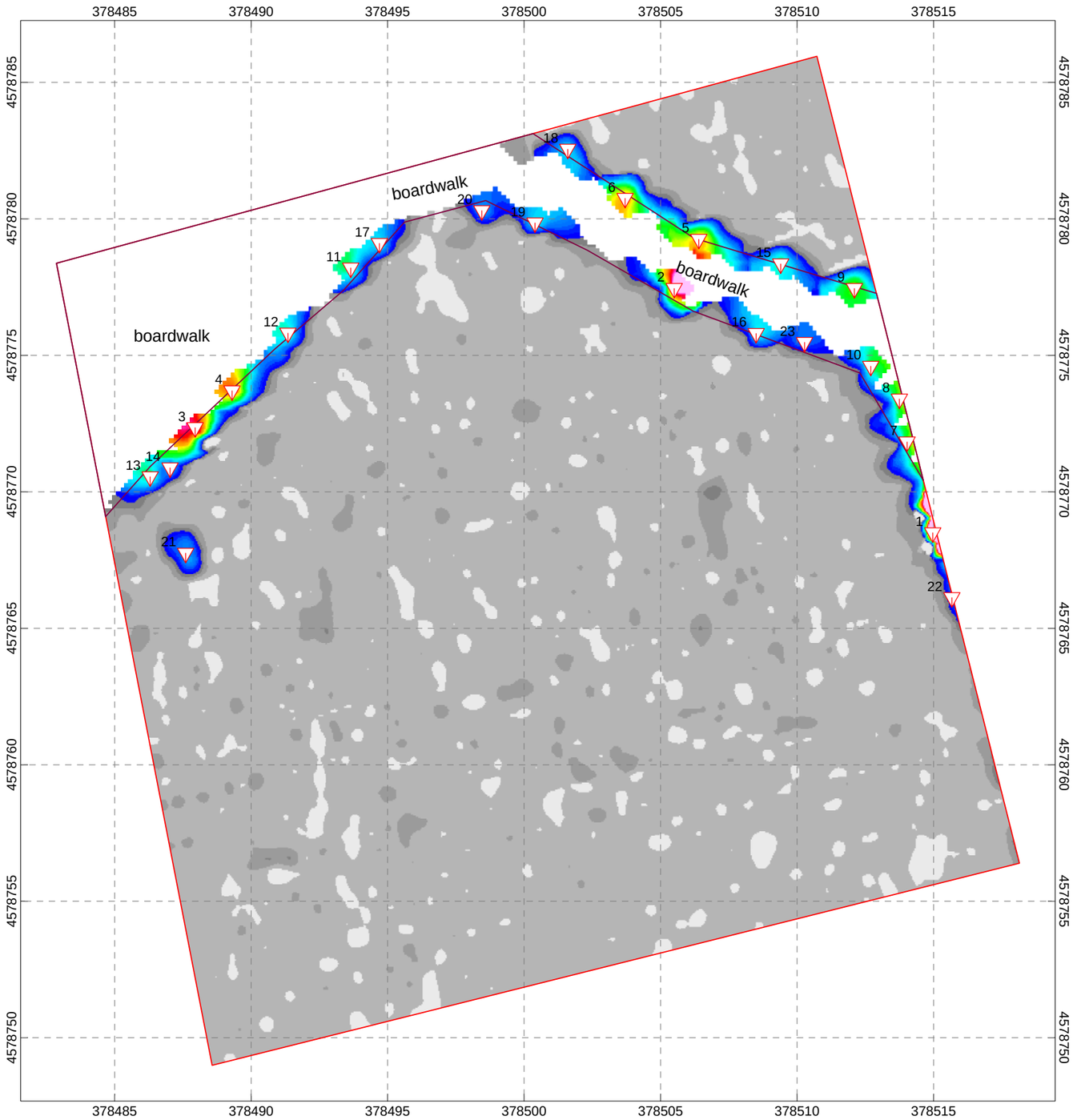
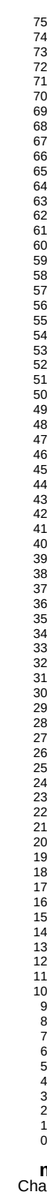
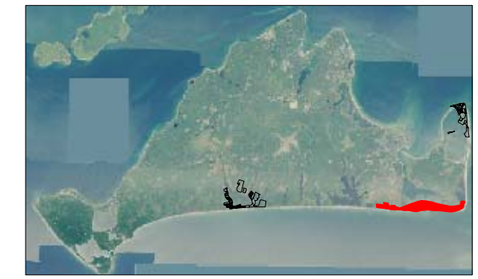






Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0026XXXX, eg. S00260002)

Scale 1:175

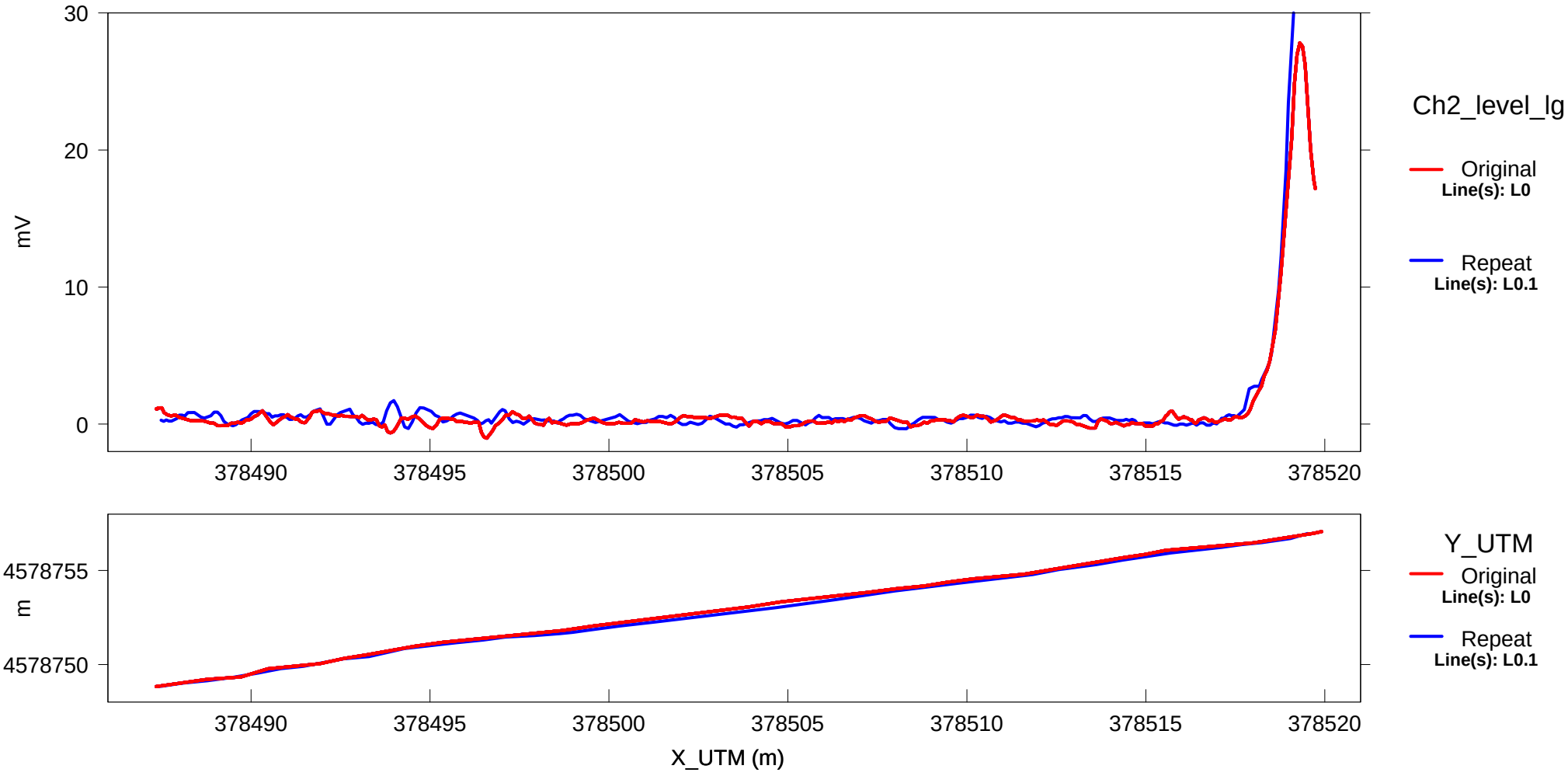
2.5 0 2.5 5 7.5 10
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0026
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

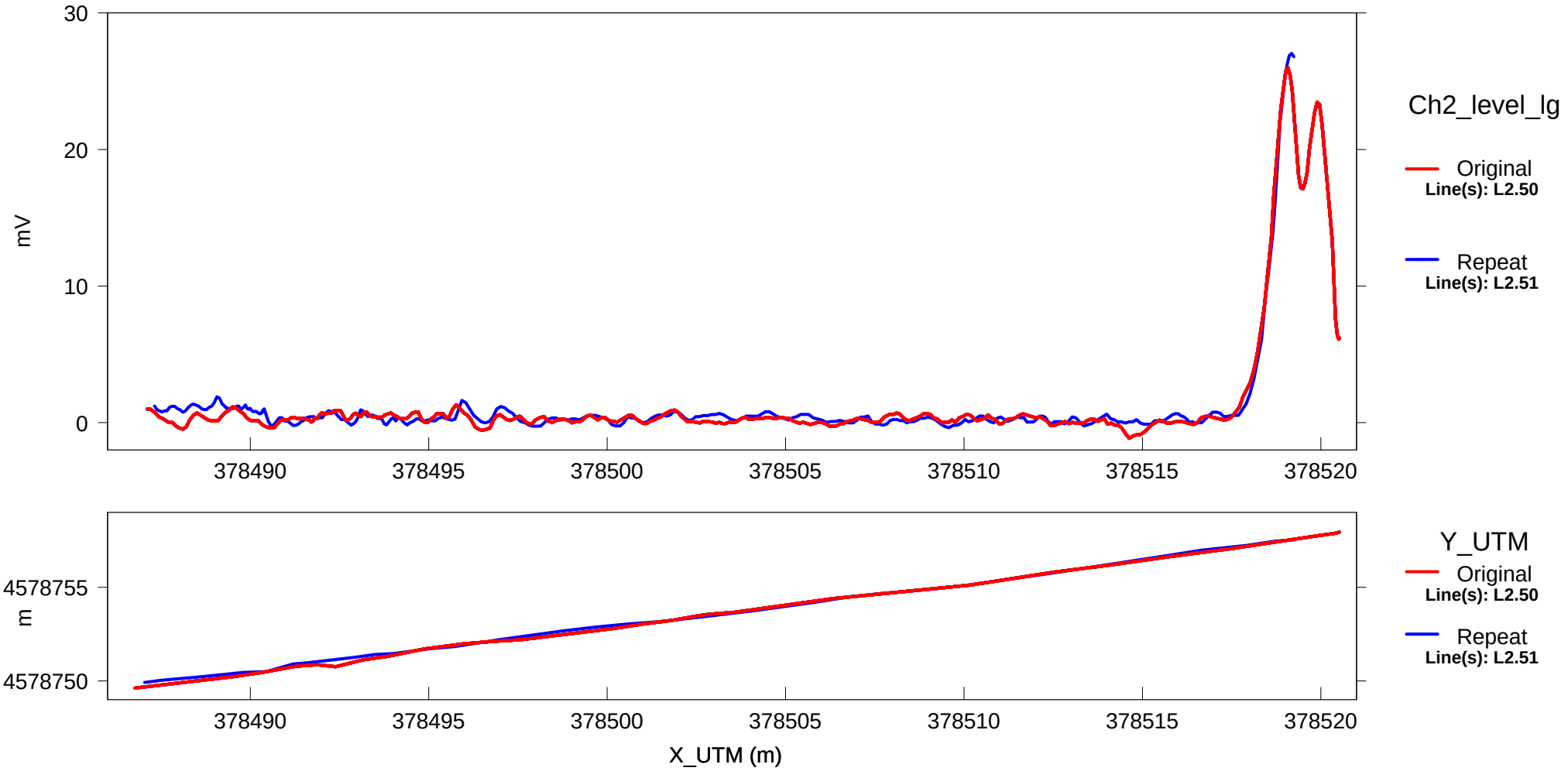
Date of Map Creation: 03/22/2011
Date of Survey: 03/21/2011

S0026 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0026_Repeat.gdb

S0026 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0026_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0026	S0026	S00260001	378514.9728	4578768.498	134.9598268	192.8032482	41.26068371	5.331047244	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260002	378505.5	4578777.45	142.6067352	101.2070007	69.82736969	35.80317688	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260003	378487.95	4578772.35	97.1825943	67.26112366	41.37295532	17.25277328	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260004	378489.3	4578773.7	82.65593719	57.03411865	32.86750031	13.21761227	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260005	378506.4	4578779.25	68.29355621	48.06124114	29.33864021	15.35161303	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260006	378503.7	4578780.75	63.67412182	46.71313092	29.50718687	15.21639822	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260007	378514.03	4578771.827	52.58622031	34.20194269	24.81452232	11.55987171	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260008	378513.75	4578773.4	50.17068481	33.14545822	21.09573936	9.943305969	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260009	378512.1	4578777.45	38.89263153	28.02735519	17.26292038	8.975535393	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260010	378512.7	4578774.6	32.92185593	22.80879593	13.70852852	5.782010078	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260011	378493.65	4578778.2	33.44028854	21.2689724	14.93695831	6.137707233	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260012	378491.351	4578775.813	30.93423633	20.06136507	12.36073273	4.998789794	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260013	378486.3	4578770.55	27.20598411	19.8839817	10.97325134	5.601990221	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260014	378487.032	4578770.876	26.47398299	18.60685686	10.47180828	5.079481295	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260015	378509.4	4578778.35	26.42007065	18.41375542	10.44542789	4.861024856	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260016	378508.5	4578775.8	19.67012213	15.32495116	9.193468087	5.308990951	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260017	378494.7	4578779.1	19.49284363	12.7400322	6.554127216	2.563629627	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260018	378501.6	4578782.55	17.11854553	11.8747921	6.62445736	3.502926352	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260019	378500.4	4578779.85	15.16270161	11.61107826	7.409565925	3.921480894	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260020	378498.45	4578780.3	13.37455558	9.059357636	5.546415324	2.803085563	0	0	Possibly related to boardwalk
N10UXB0001	S0026	S0026	S00260021	378487.6	4578767.75	12.43813226	8.222244606	4.08708361	1.445770786	0	0	Target moved to center of anomaly
N10UXB0001	S0026	S0026	S00260022	378515.673	4578766.122	9.873122449	6.419845742	4.278160598	2.194715914	0	1	Culture - boardwalk
N10UXB0001	S0026	S0026	S00260023	378510.276	4578775.474	8.569548584	5.992109777	3.947655576	1.764038508	0	1	Culture - boardwalk

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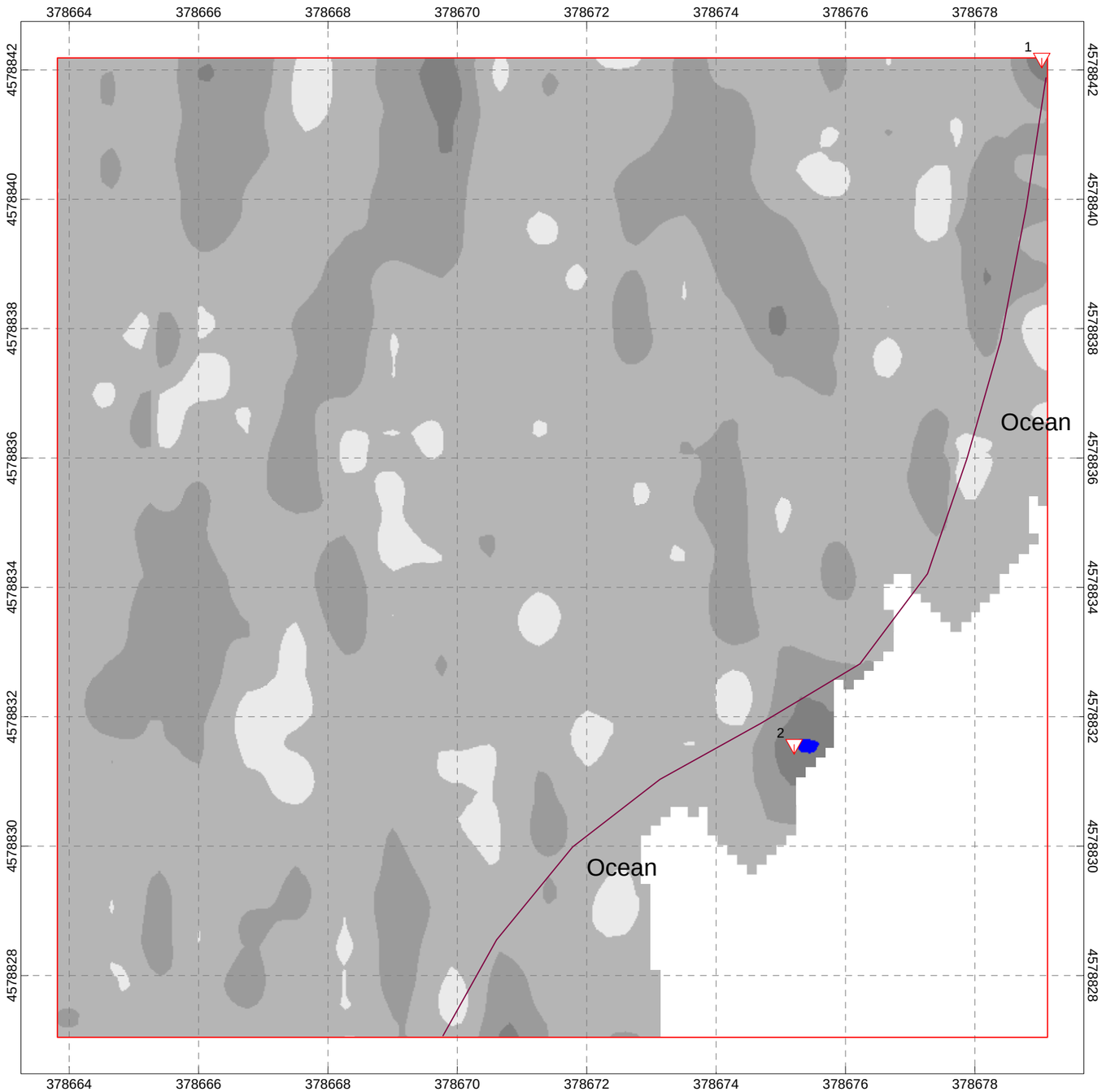
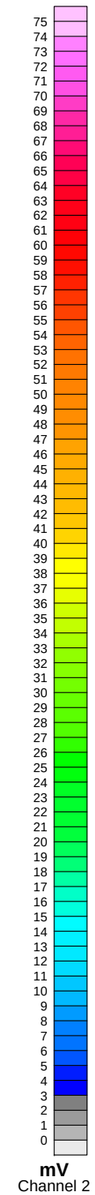




Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0027XXXX, eg. S00270002)

Scale 1:75

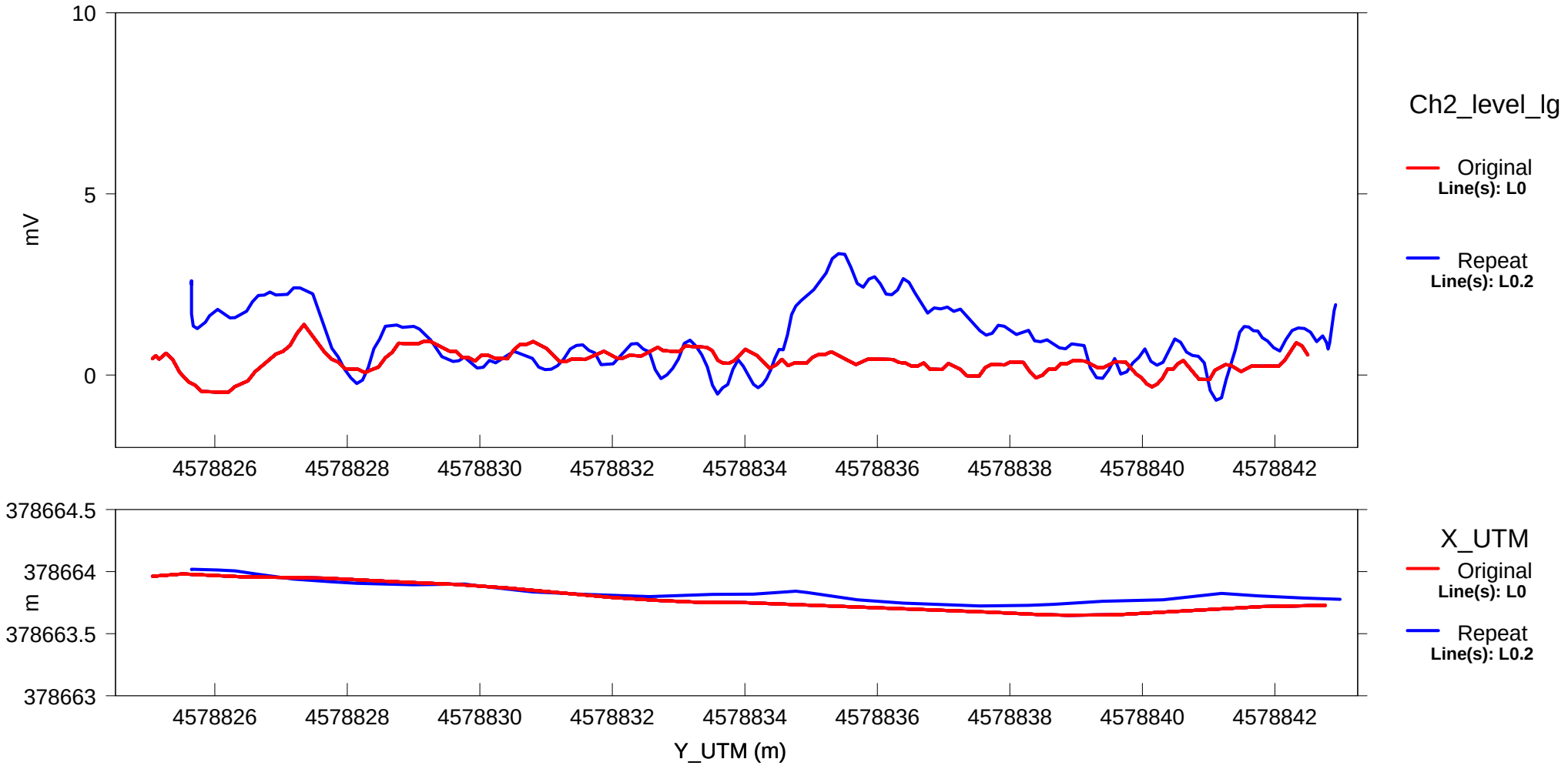
1 0 1 2 3 4
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0027
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

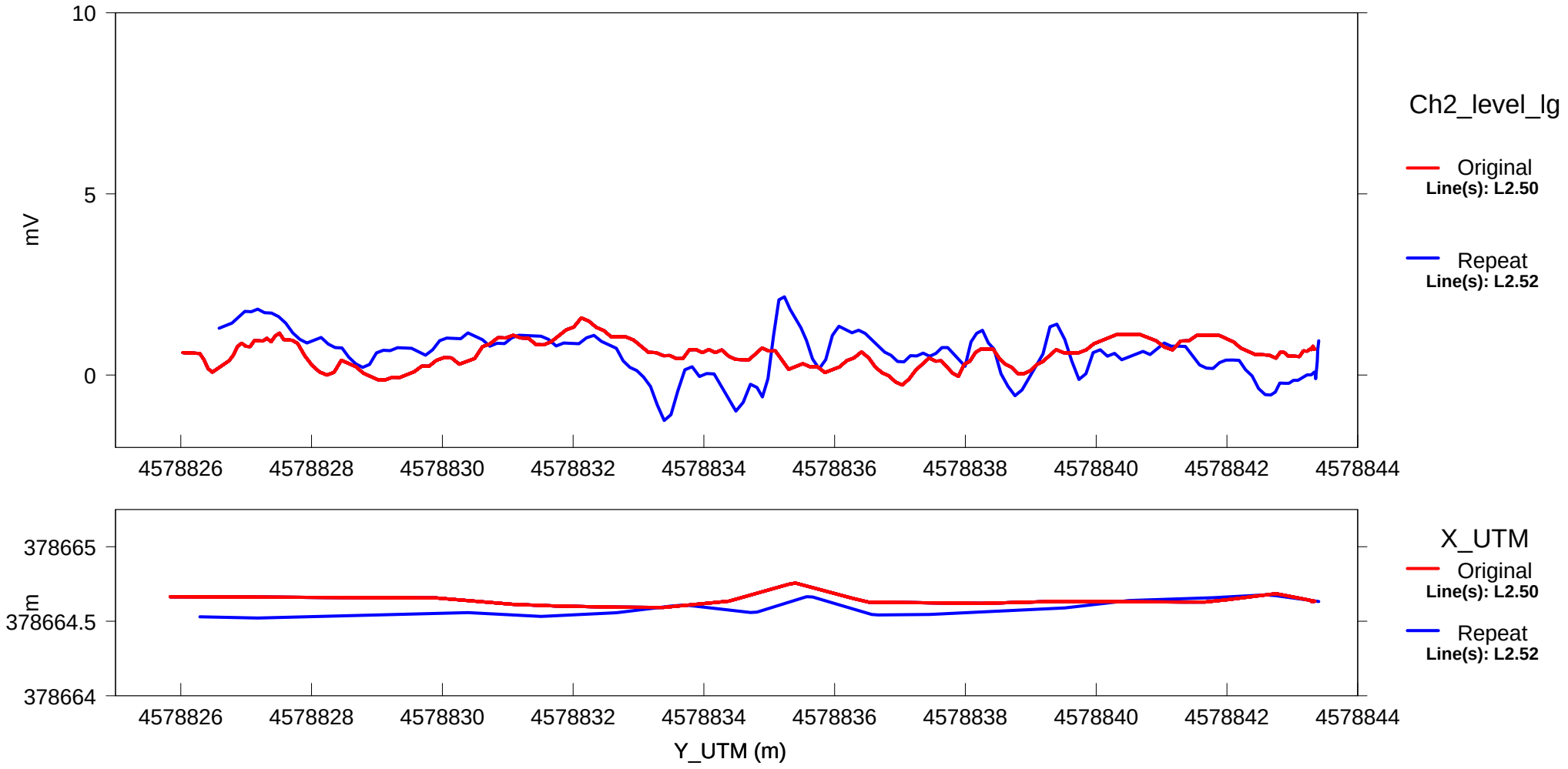
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0027 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0027_Repeat.gdb

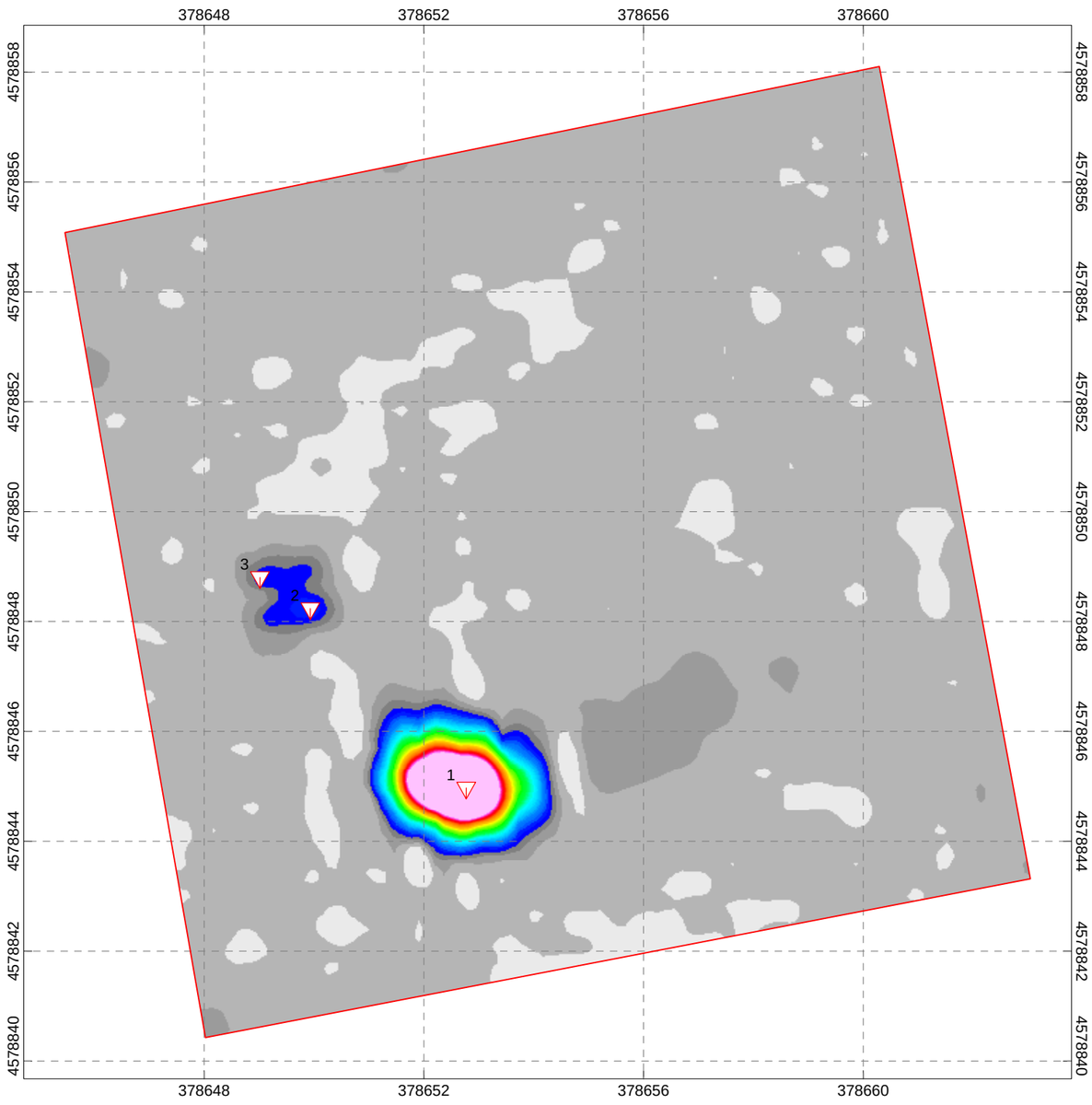
S0027 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

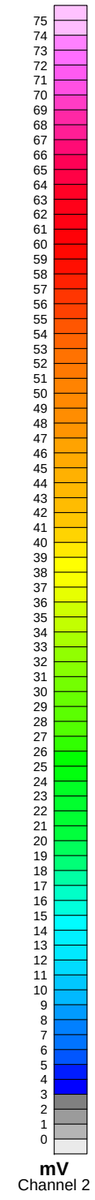


Database: S0027_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0027	S0027	S00270001	378679.0342	4578842.181	8.738176501	3.496794146	0.726624017	0.37368822	0	0	
N10UXB0001	S0027	S0027	S00270002	378675.206	4578831.57	9.212767161	3.220358284	0.980024491	0.409976118	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0028XXXX, eg. S00280002)

Scale 1:100

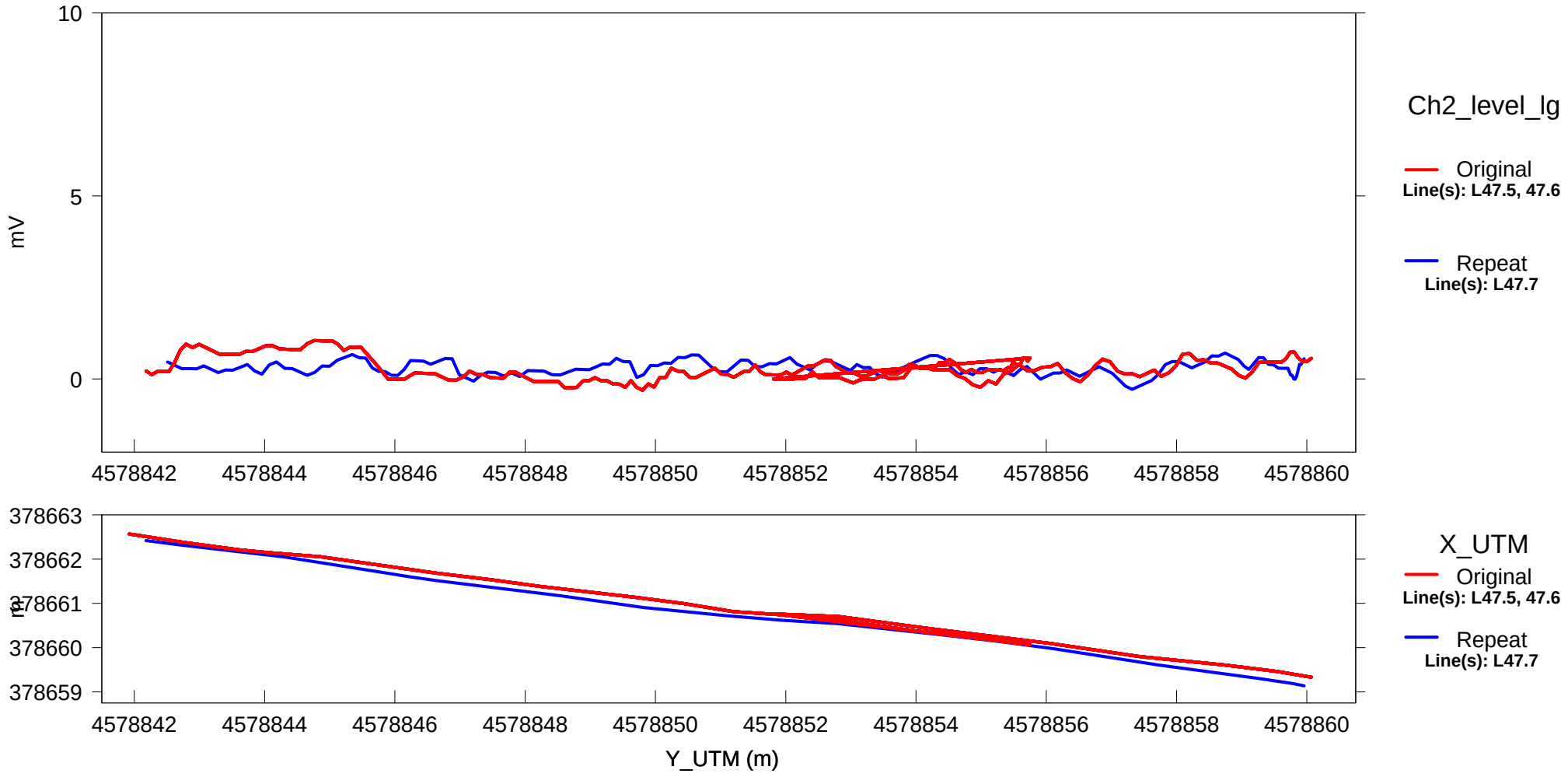
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0028
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

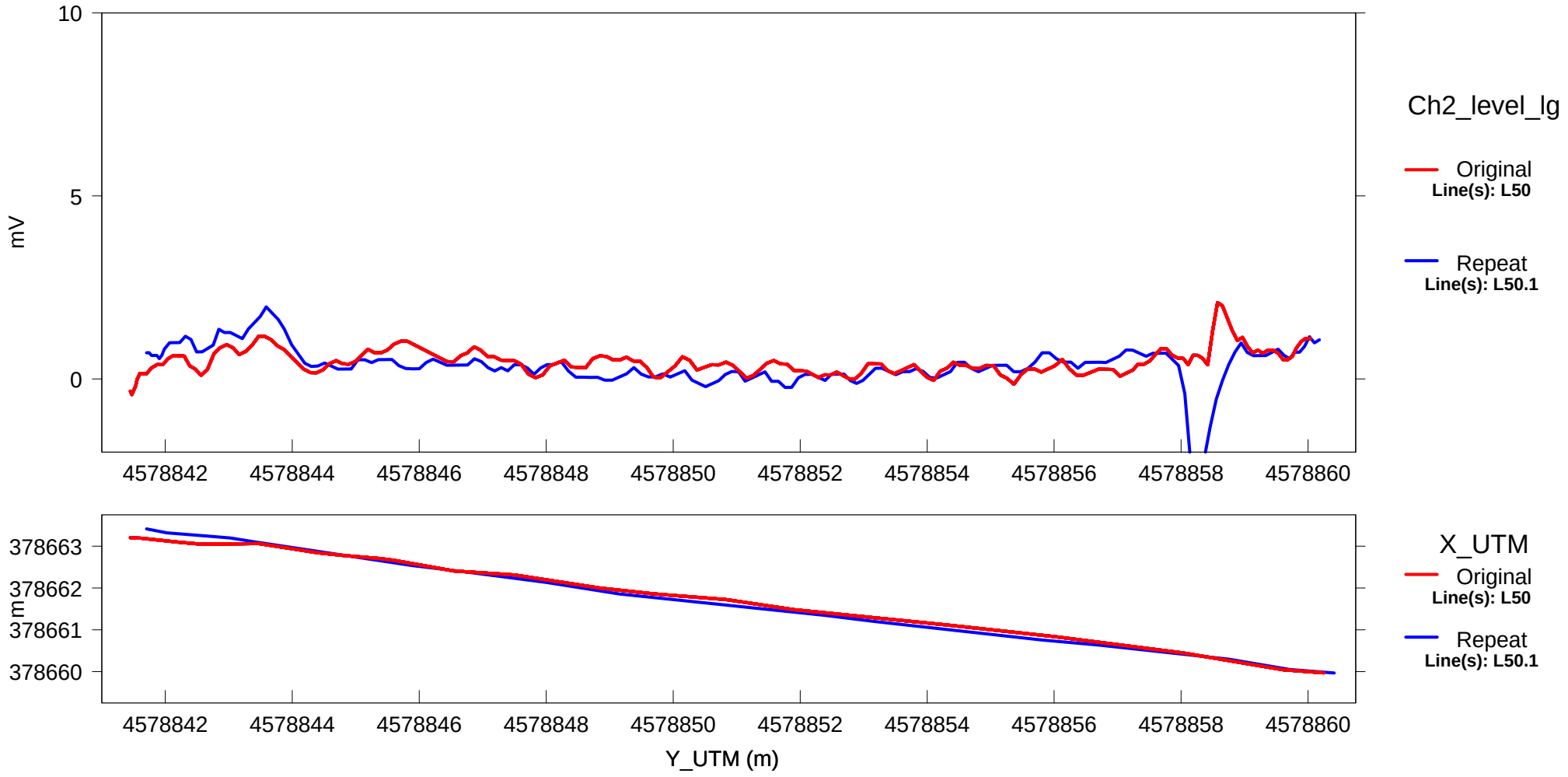
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0028 Repeat Line 47.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0028_Repeat.gdb

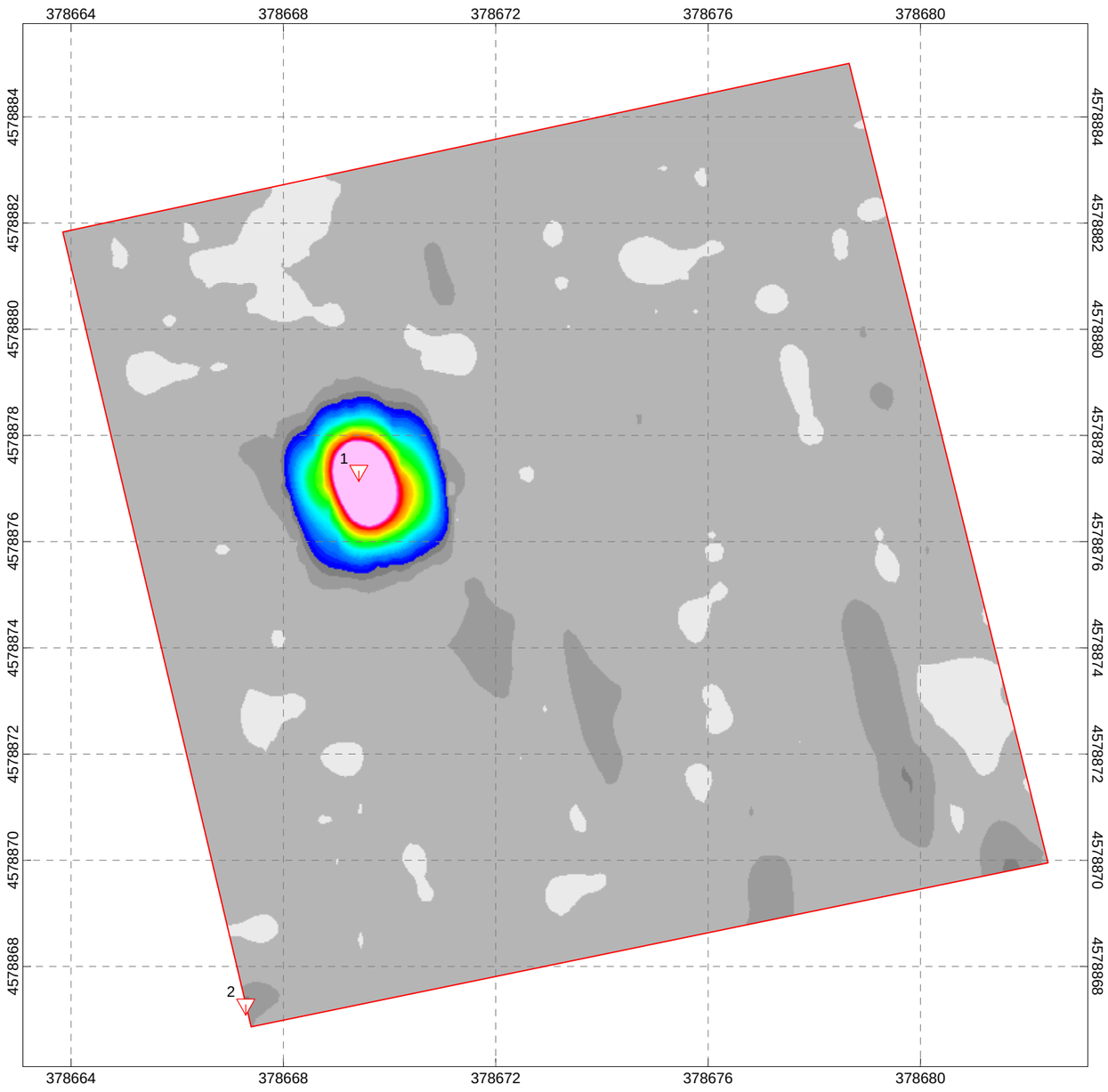
S0028 Repeat Line 50 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0028_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0028	S0028	S00280001	378652.772	4578844.97	319.6241318	223.3852584	133.2001175	67.60787424	0	0	Footprint extends roughly 2.5 x 3m
N10UXB0001	S0028	S0028	S00280002	378649.933	4578848.235	7.25494674	5.708370759	3.434531178	1.989979719	0	0	
N10UXB0001	S0028	S0028	S00280003	378649.017	4578848.802	5.74126269	4.356067207	2.700282009	1.661109158	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys



Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0029XXXX, eg. S00290002)

Scale 1:100

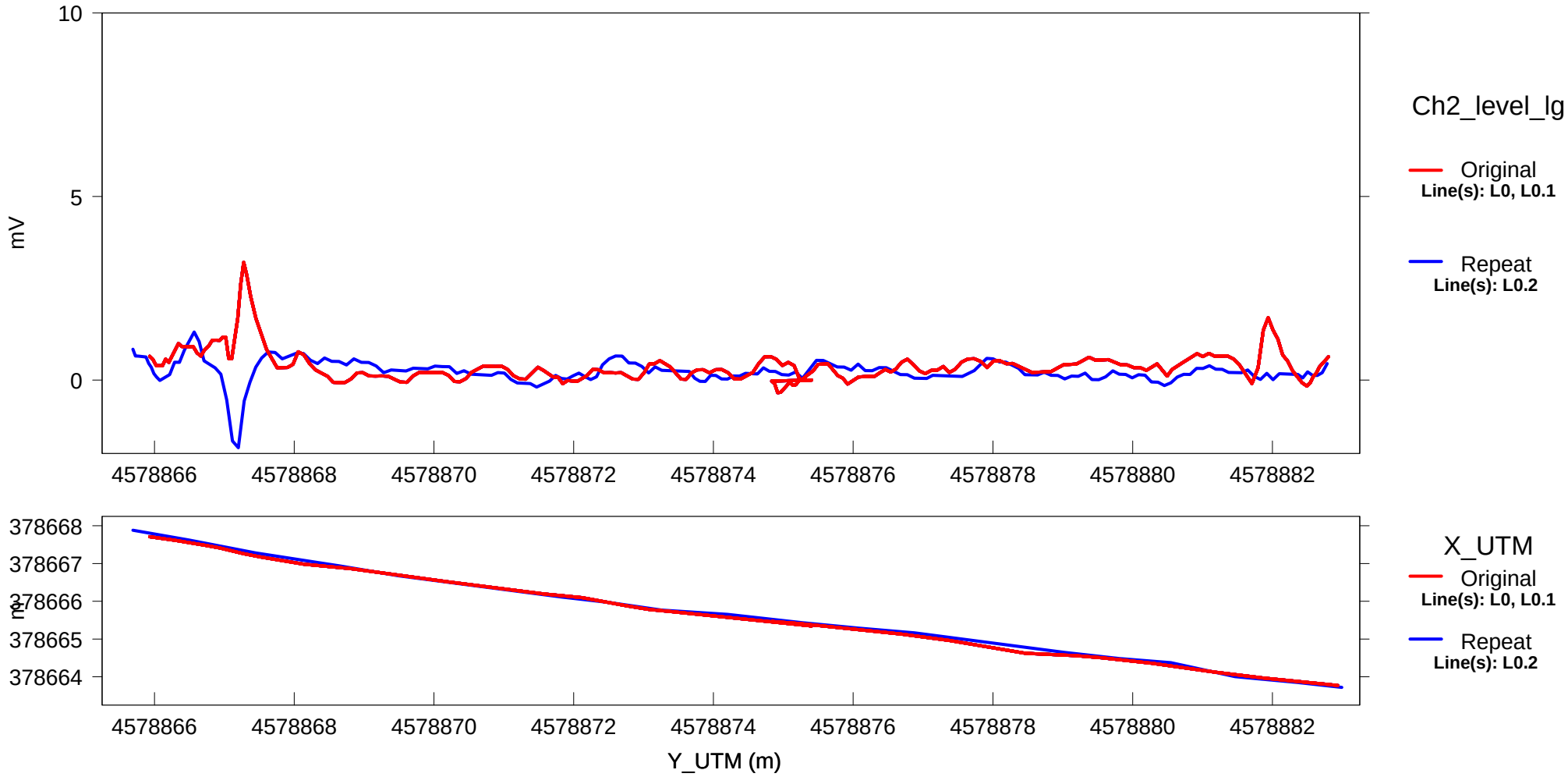
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0029
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

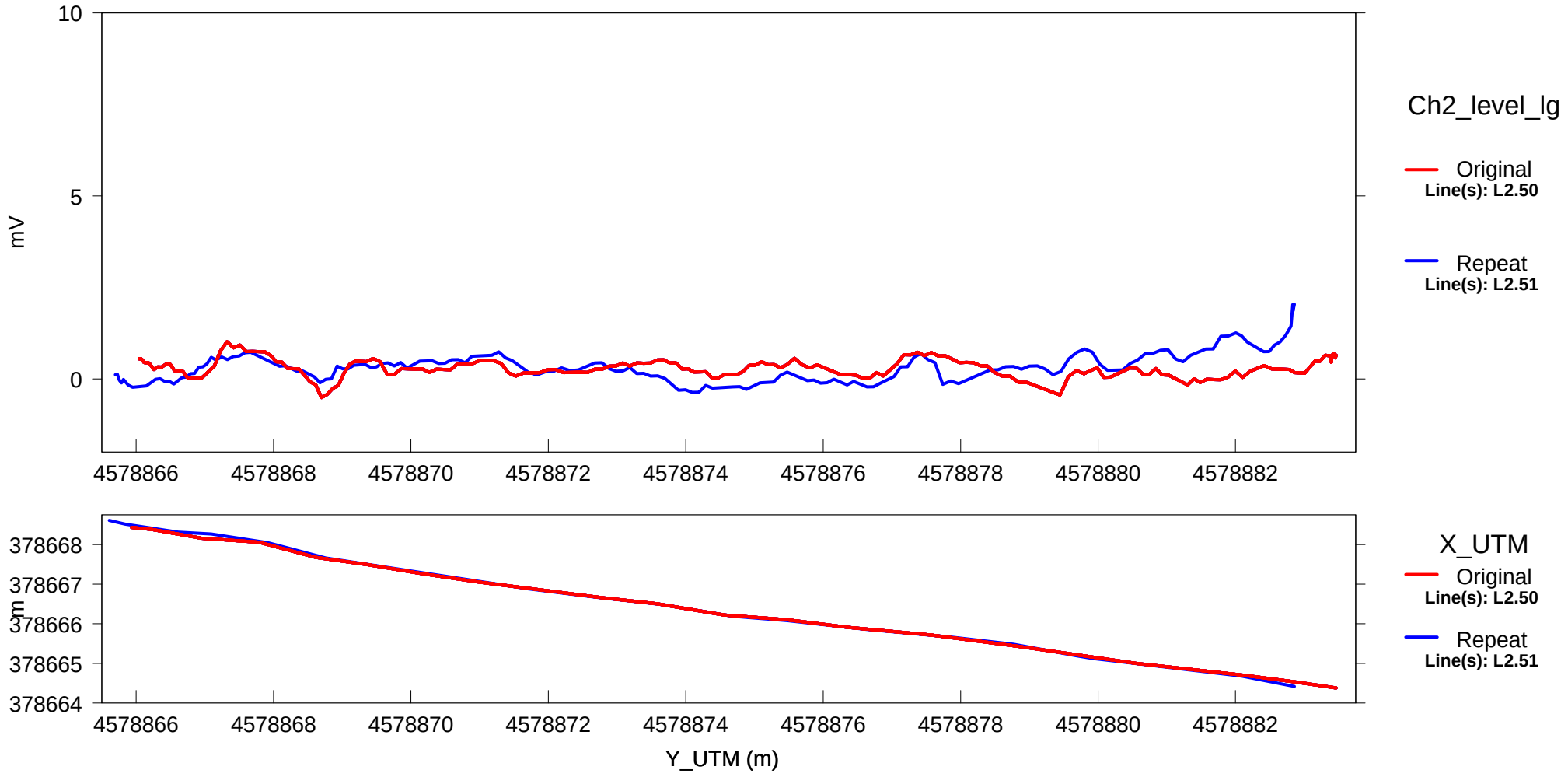
Date of Map Creation: 03/09/2011
Date of Survey: 03/08/2011

S0029 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0029_Repeat.gdb

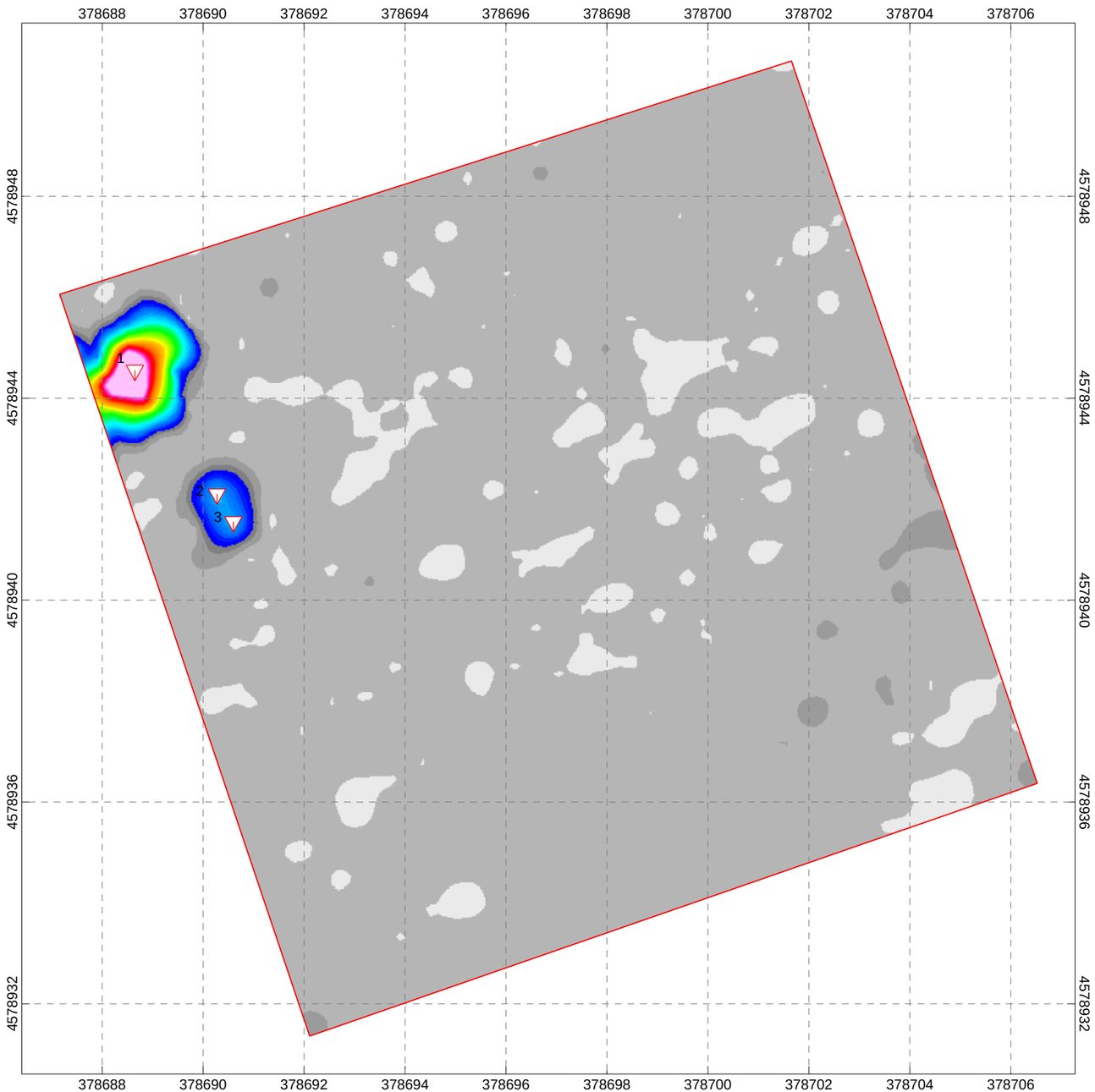
S0029 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

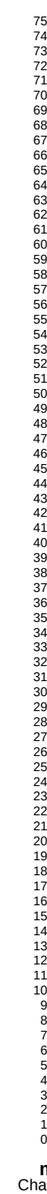


Database: S0029_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0029	S0029	S00290001	378669.421	4578877.333	285.5950166	204.0675445	130.0585347	69.94128633	0	0	Footprint extends roughly 2.75 x 3m.
N10UXB0001	S0029	S0029	S00290002	378667.2921	4578867.281	4.452585428	3.205578545	1.799174263	1.100653371	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0030XXXX, eg. S00300002)

Scale 1:100

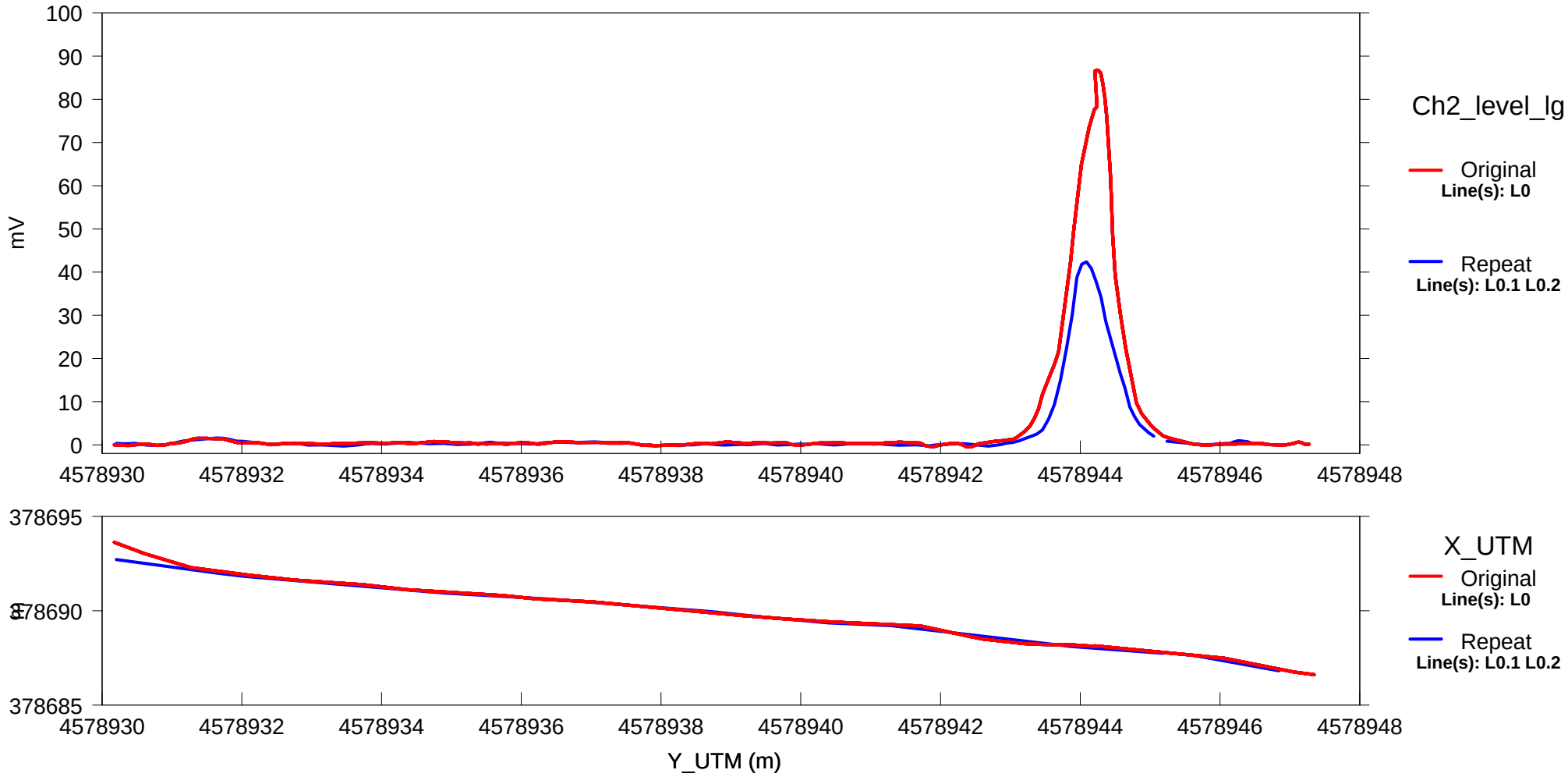
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0030
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

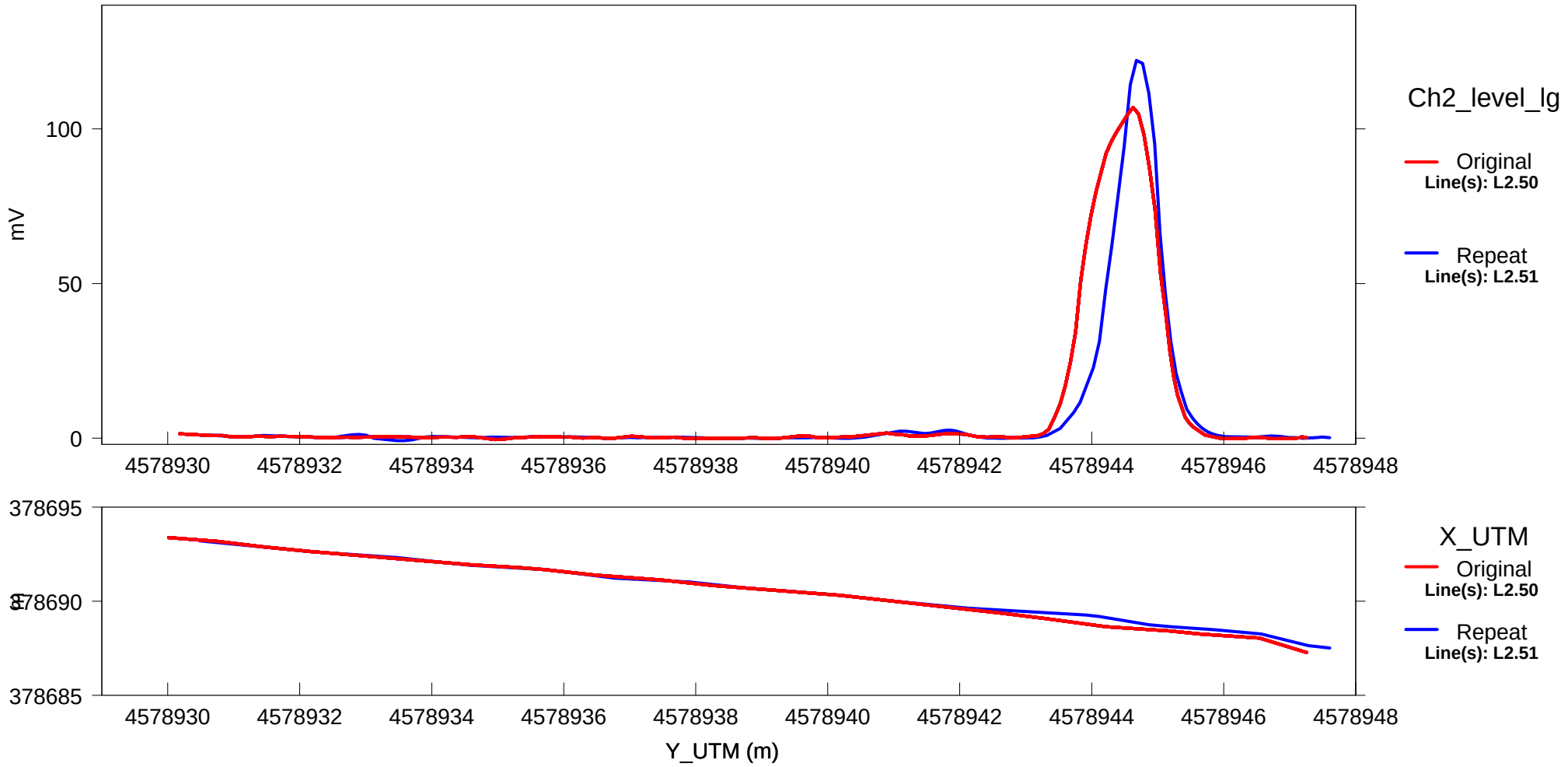
Date of Map Creation: 03/10/2011
Date of Survey: 03/09/2011

S0030 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0030_Repeat.gdb

S0030 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0030_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0030	S0030	S00300001	378688.7	4578945	167.5934	103.9669	53.77035	20.71165	0	0	
N10UXB0001	S0030	S0030	S00300002	378690.3	4578942	16.79529	9.42433	4.069347	1.17322	0	0	
N10UXB0001	S0030	S0030	S00300003	378690.6	4578942	16.08899	9.238313	3.727402	1.209652	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
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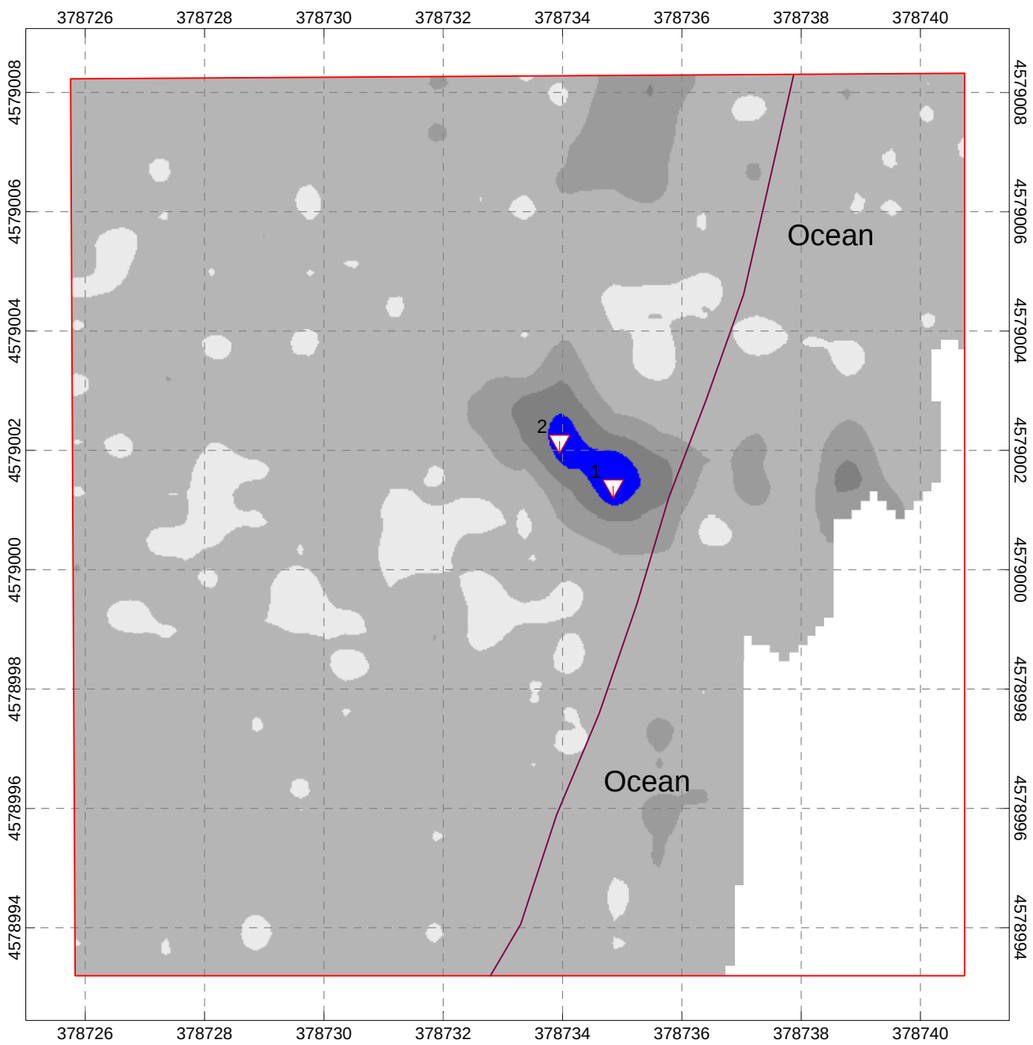
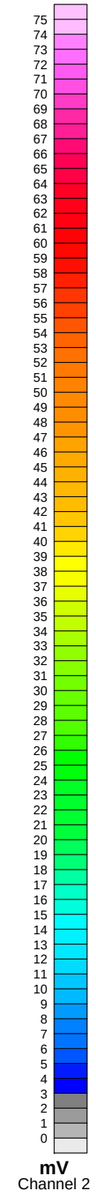




Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0031XXXX, eg. S00310002)

Scale 1:100

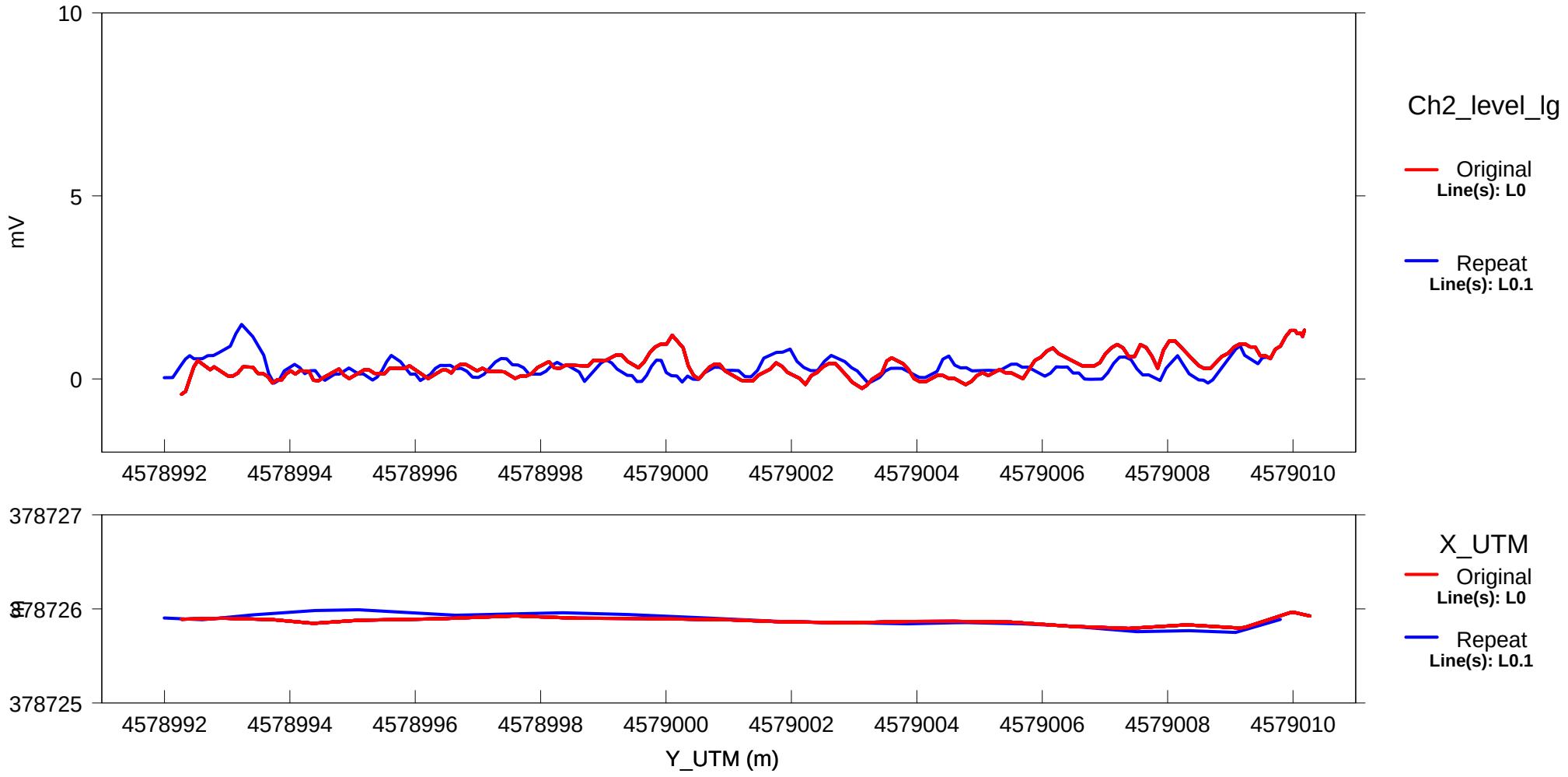
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0031
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

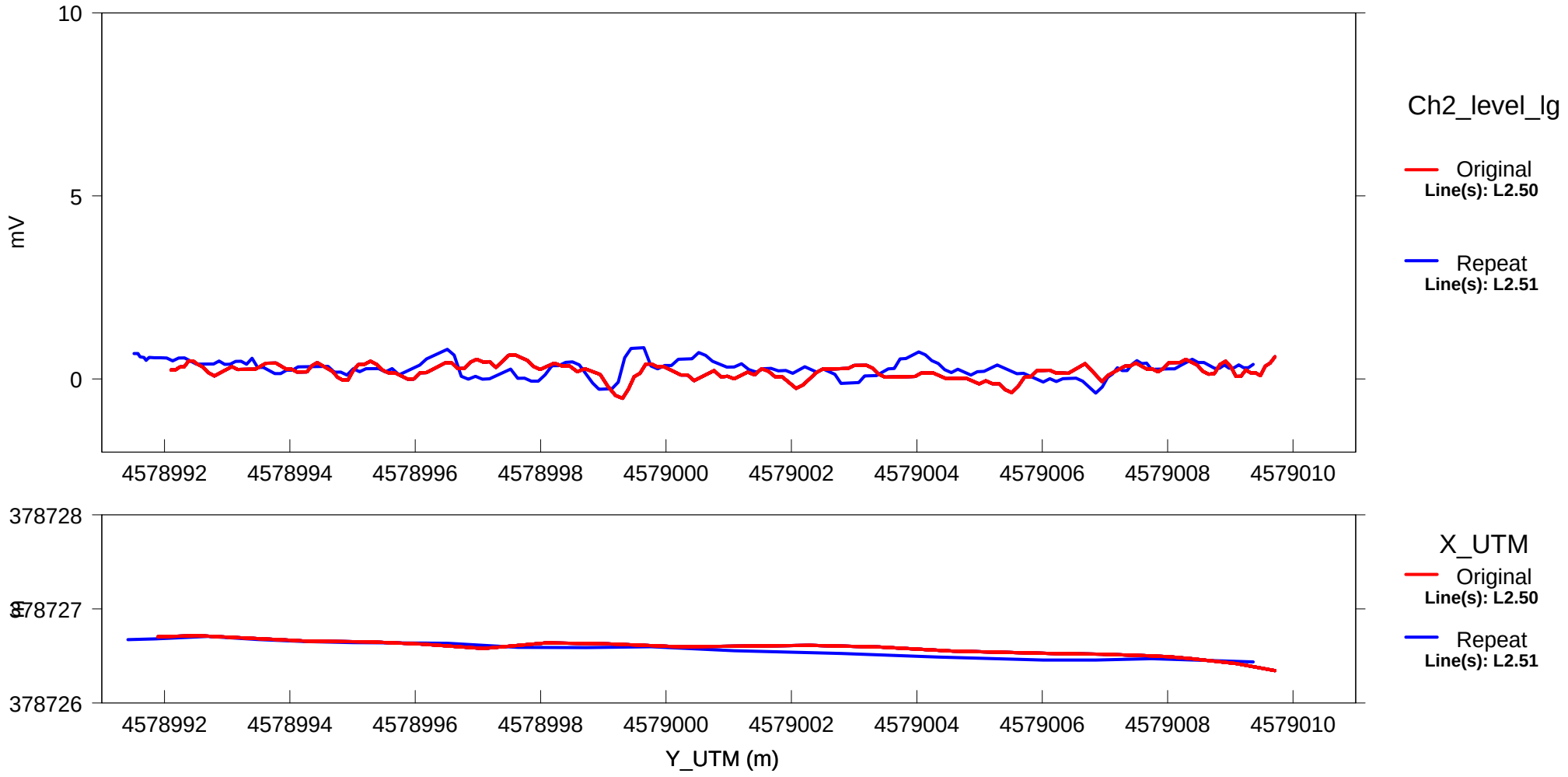
Date of Map Creation: 03/10/2011
Date of Survey: 03/09/2011

S0031 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0031_Repeat.gdb

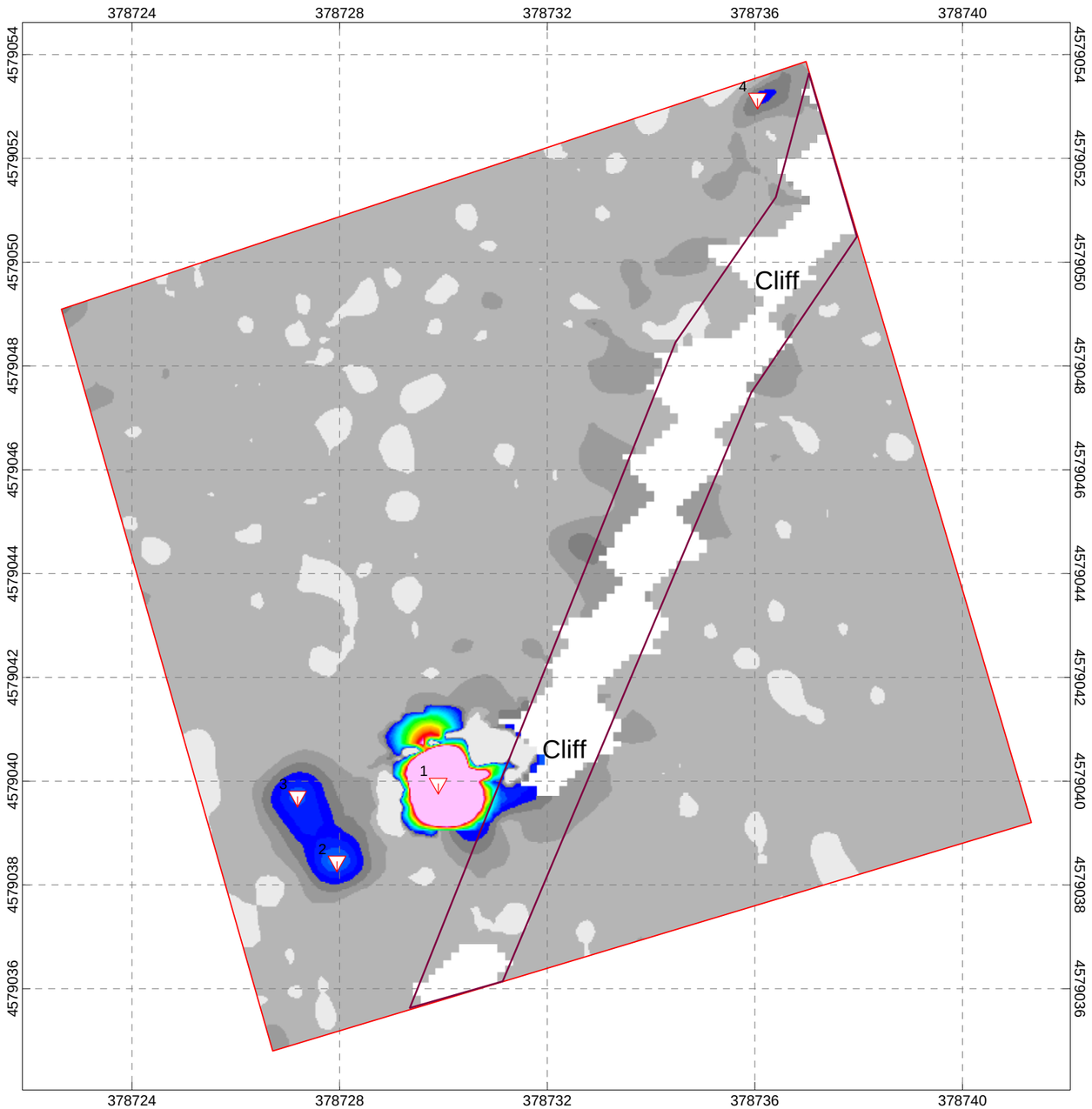
S0031 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

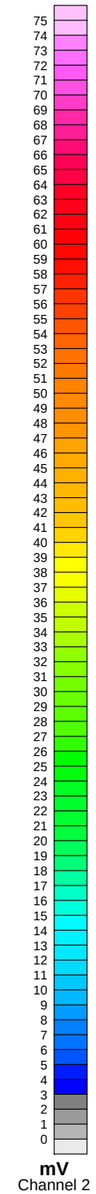


Database: S0031_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSour	Comments
N10UXB0001	S0031	S0031	S00310001	378734.9	4579001	5.619257	3.872813	1.891948	0.789831	0	0	
N10UXB0001	S0031	S0031	S00310002	378734	4579002	6.118336	3.518067	1.652444	0.528015	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0032XXXX, eg. S00320002)

Scale 1:100

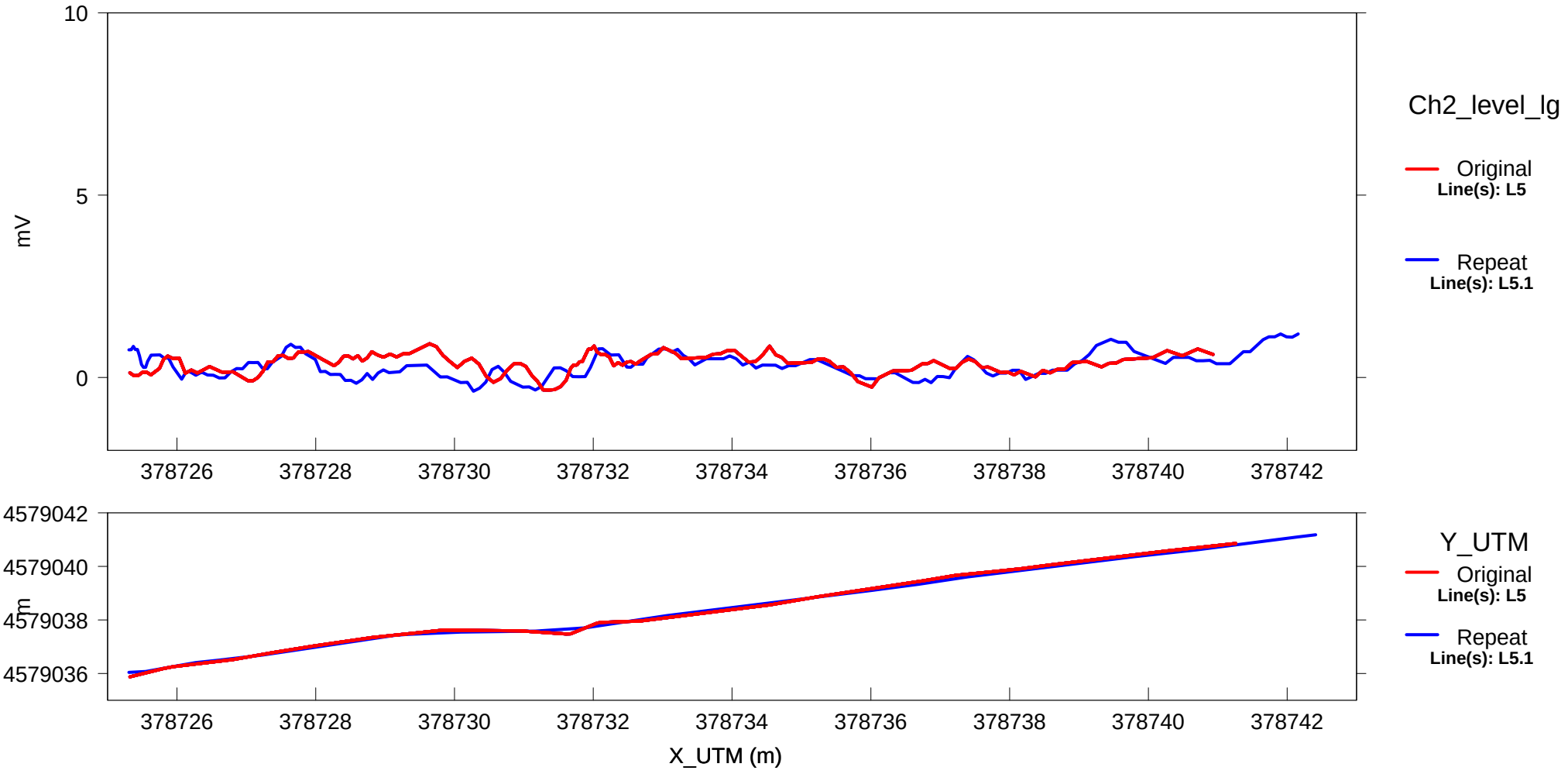
1 0 1 2 3 4 5 6
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0032
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

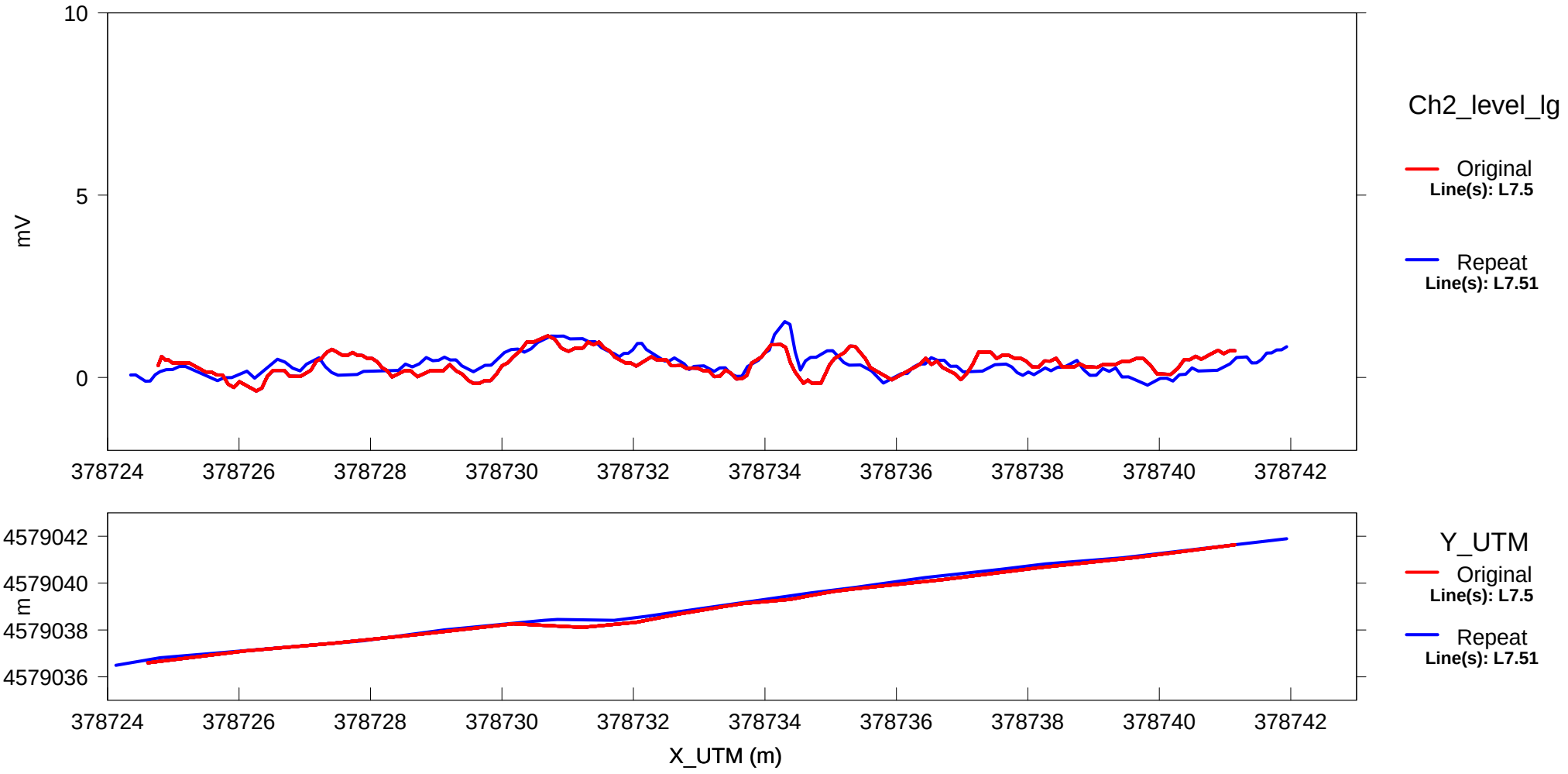
Date of Map Creation: 03/10/2011
Date of Survey: 03/09/2011

S0032 Repeat Line 5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0032_Repeat.gdb

S0032 Repeat Line 7.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0032_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0032	S0032	S00320001	378729.9	4579040	2267.954	1622.323	925.0031	361.3142	0	0	Secondary Pe
N10UXB0001	S0032	S0032	S00320002	378728	4579038	10.88188	6.612781	2.922591	0.636727	0	0	Secondary Pe
N10UXB0001	S0032	S0032	S00320003	378727.2	4579040	8.413548	5.355631	2.322847	0.395155	0	0	
N10UXB0001	S0032	S0032	S00320004	378736.1	4579053	5.546281	3.58402	2.565148	1.292421	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
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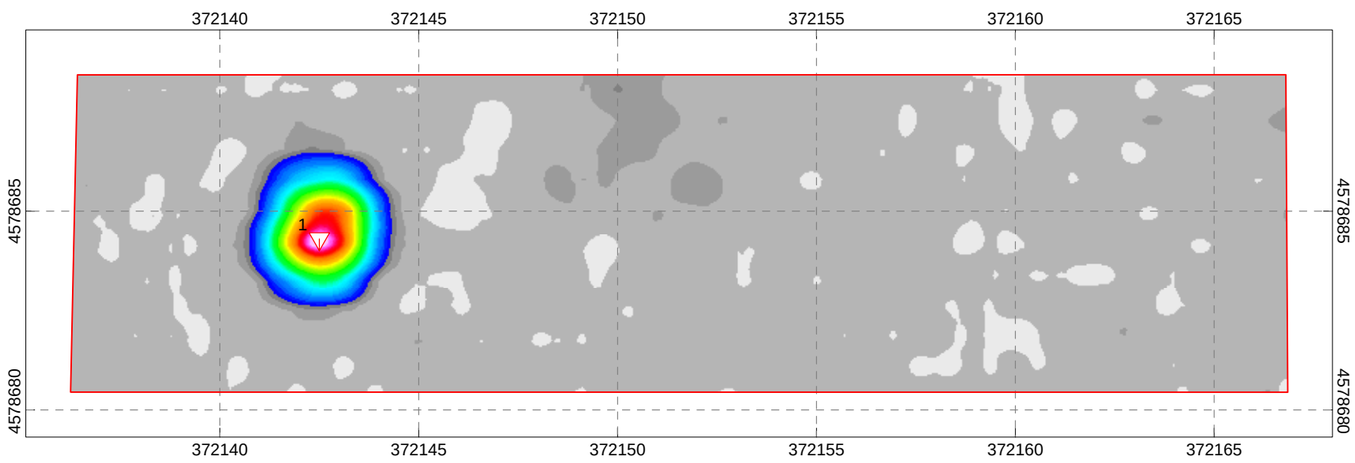
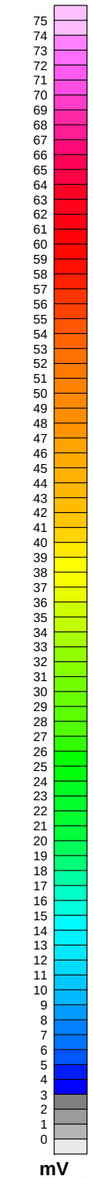
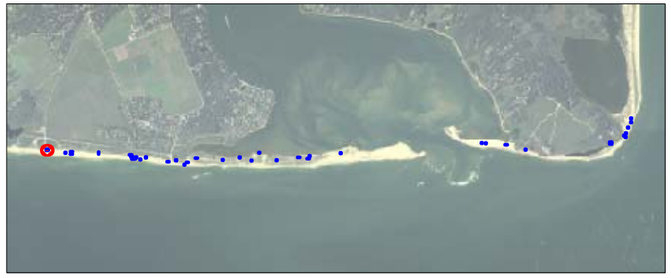






Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0033XXXX, eg. S00330002)

Scale 1:150

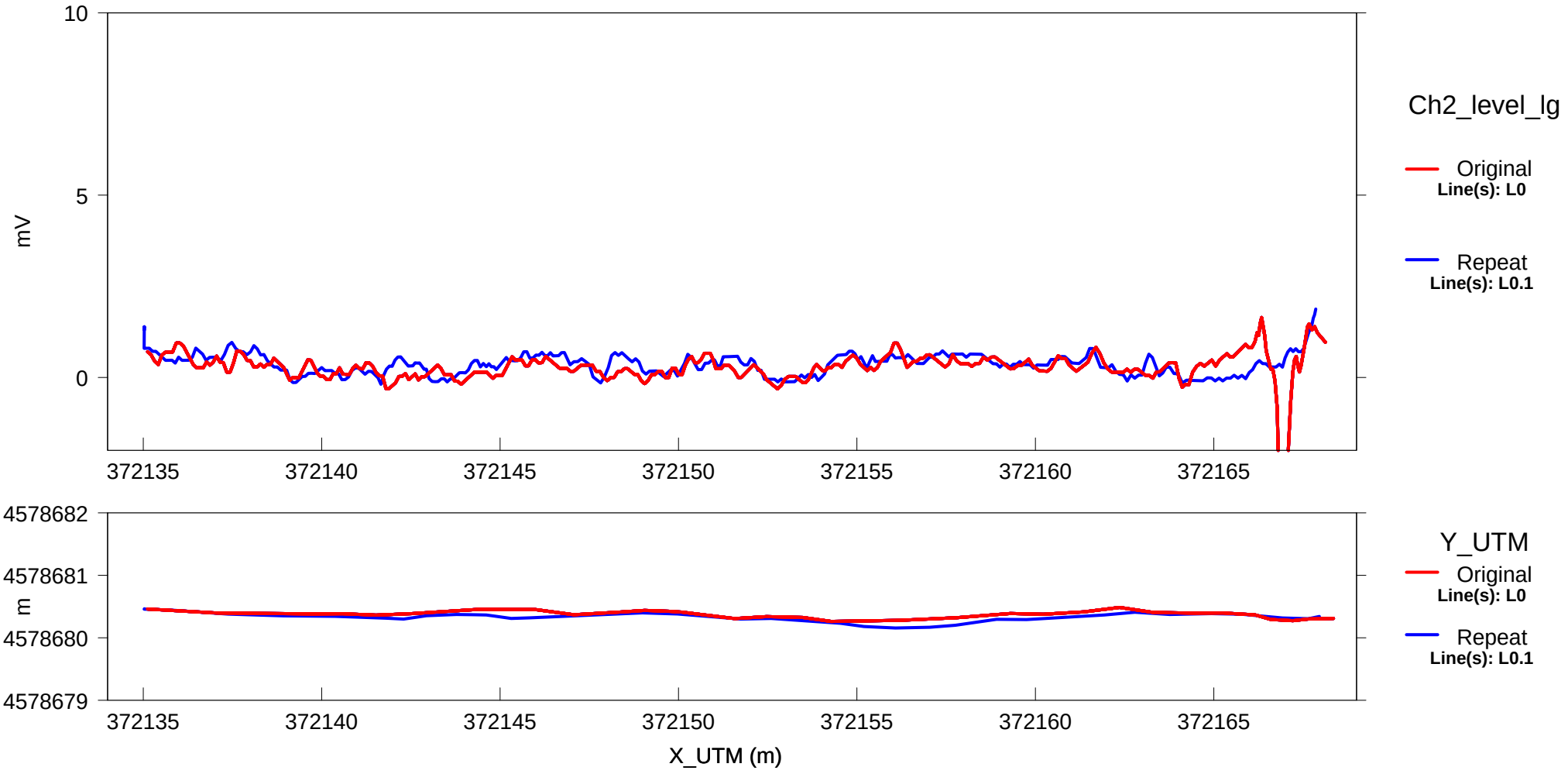
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0033
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

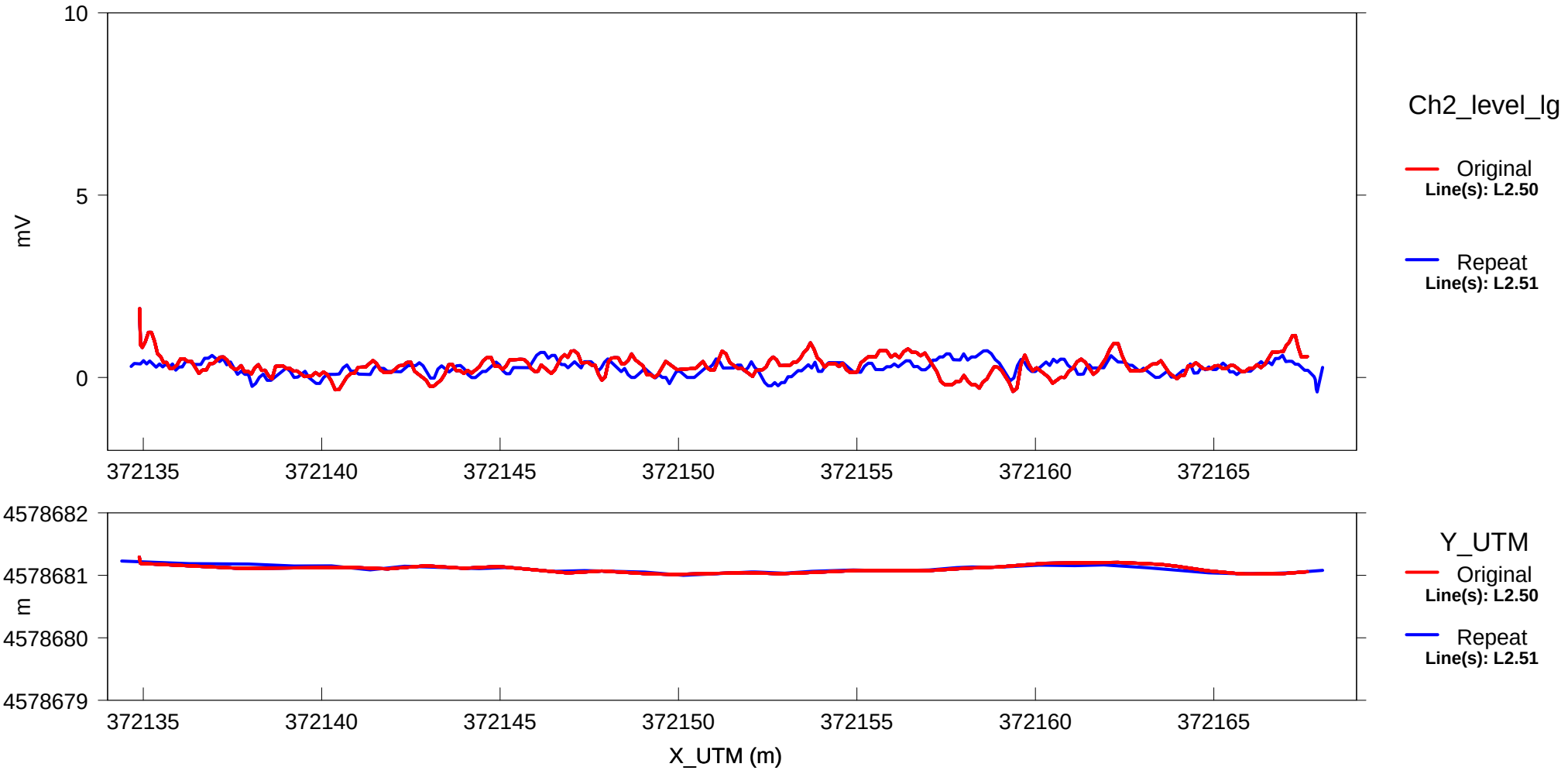
Date of Map Creation: 03/18/2011
Date of Survey: 03/17/2011

S0033 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0033_Repeat.gdb

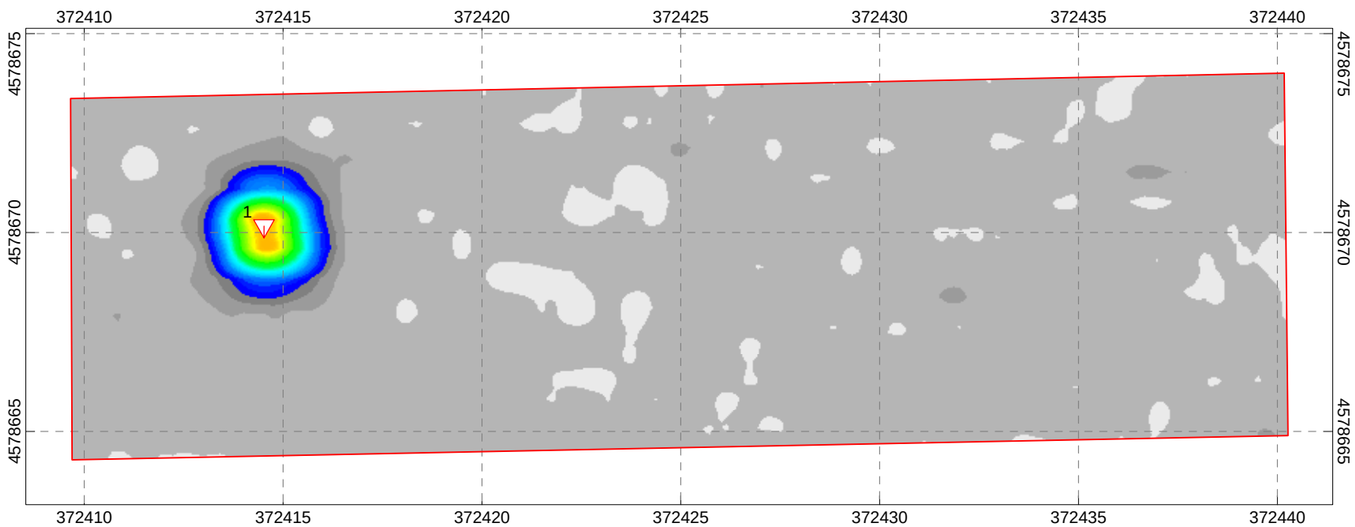
S0033 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

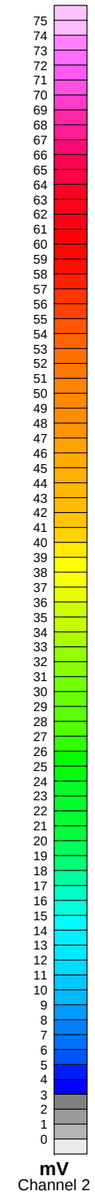


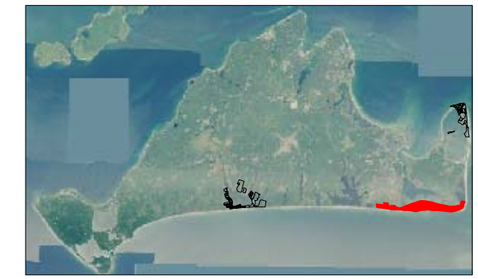
Database: S0033_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0033	S0033	S00330001	372142.5	4578684	124.1998	80.01463	39.57398	14.19462	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys







Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0034XXXX, eg. S00340002)

N

Scale 1:150

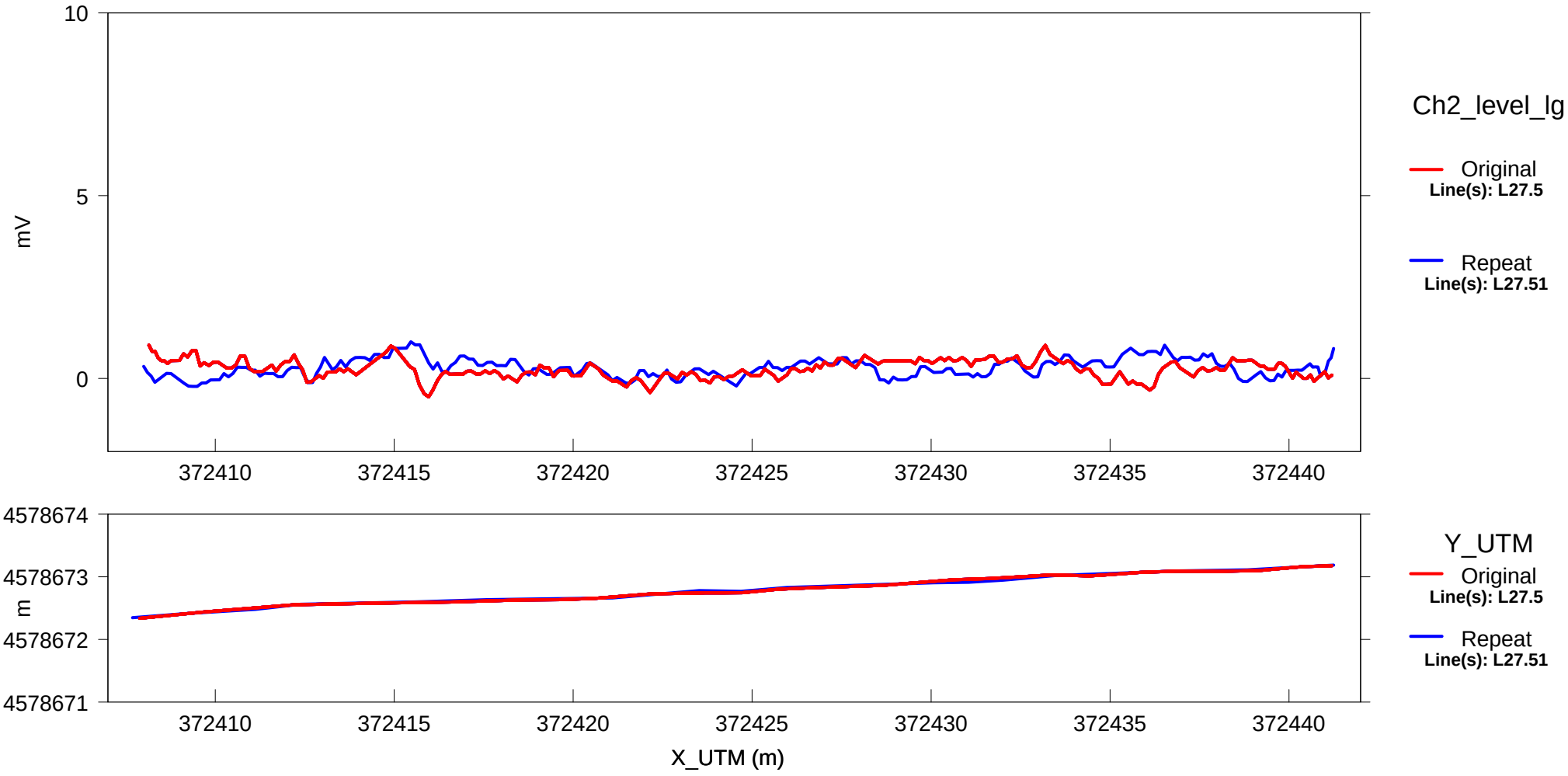
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0034
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

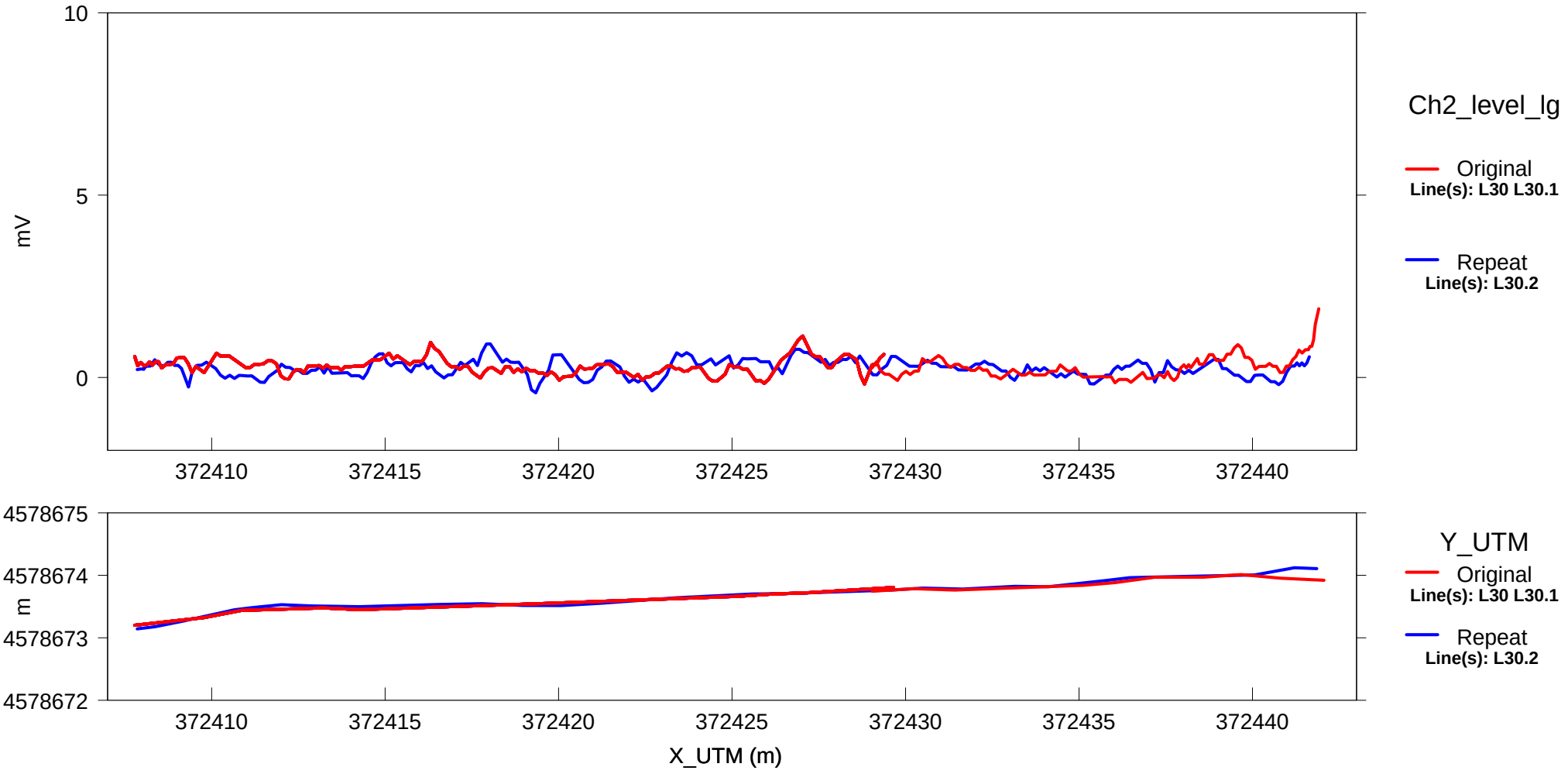
Date of Map Creation: 03/18/2011
Date of Survey: 03/17/2011

S0034 Repeat Line 27.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



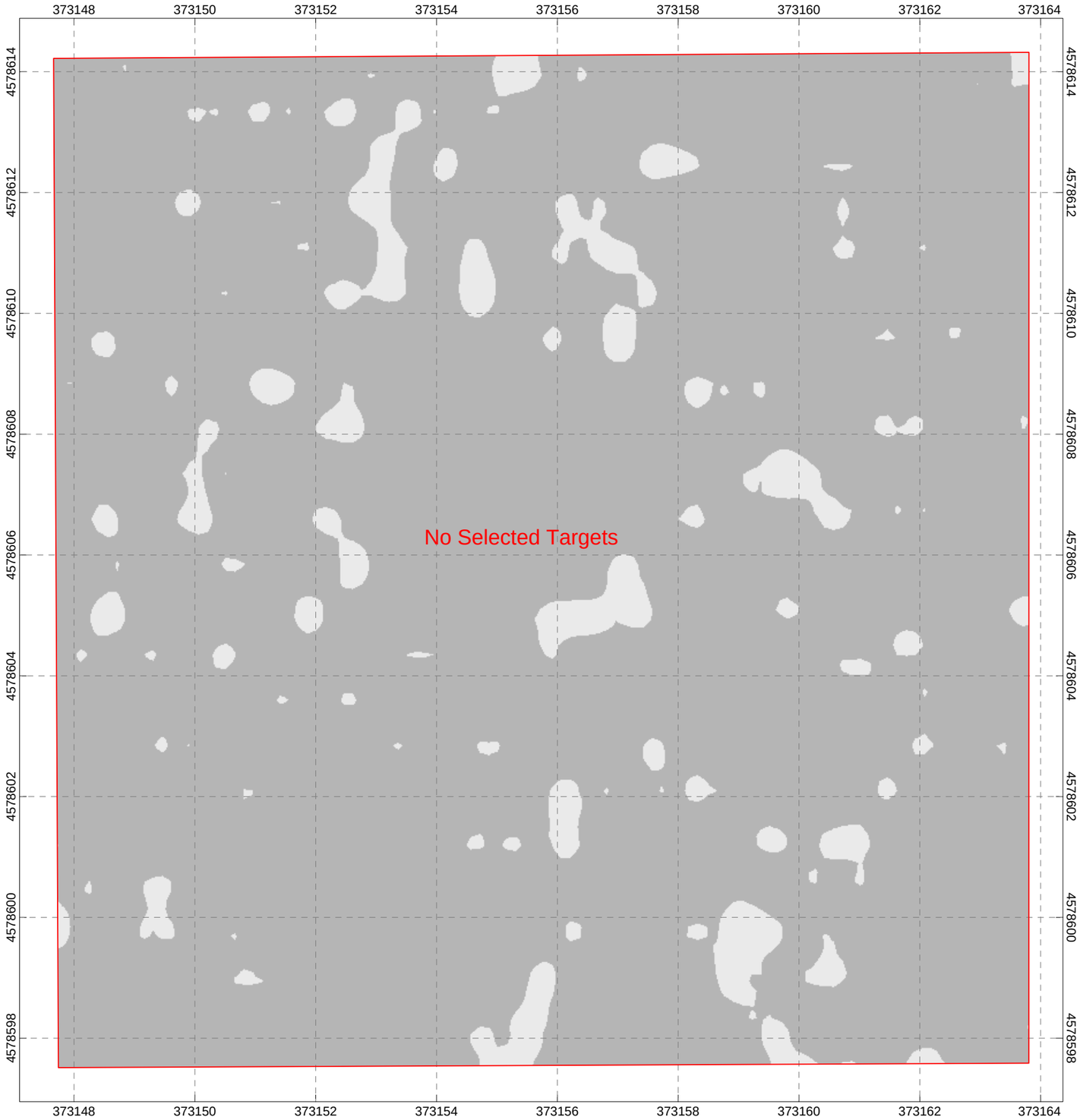
Database: S0034_Repeat.gdb

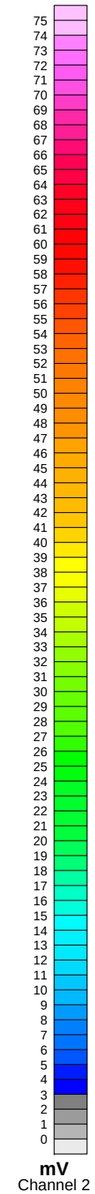
S0034 Repeat Line 30 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0034_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sin	KnownSou	Comments
N10UXB0001	S0034	S0034	S00340001	372414.5	4578670	60.82866	43.11787	23.20984	11.19987	0	0	





NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0036XXXX, eg. S00360002)

Scale 1:75

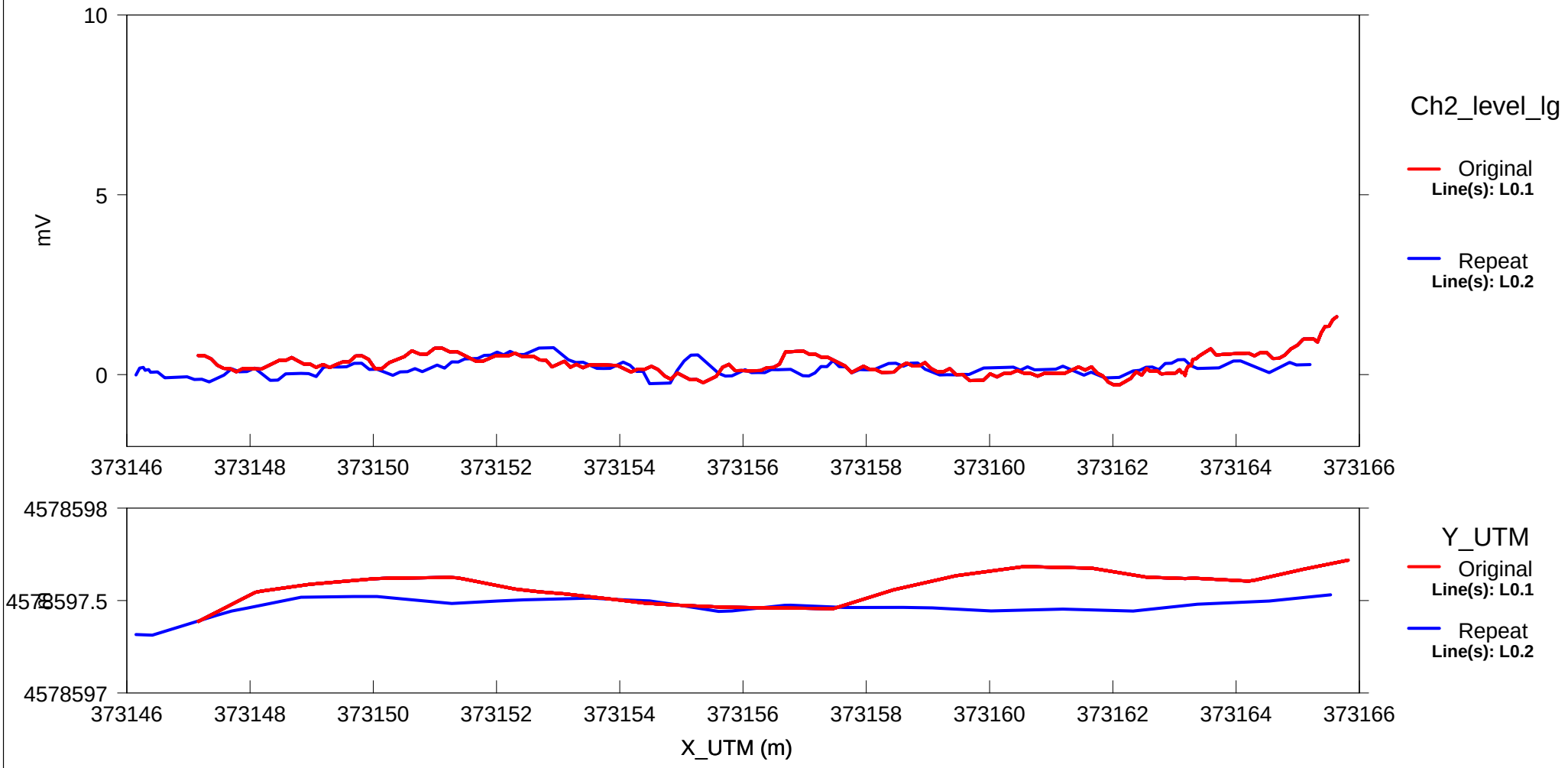
1 0 1 2 3 4
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0036
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

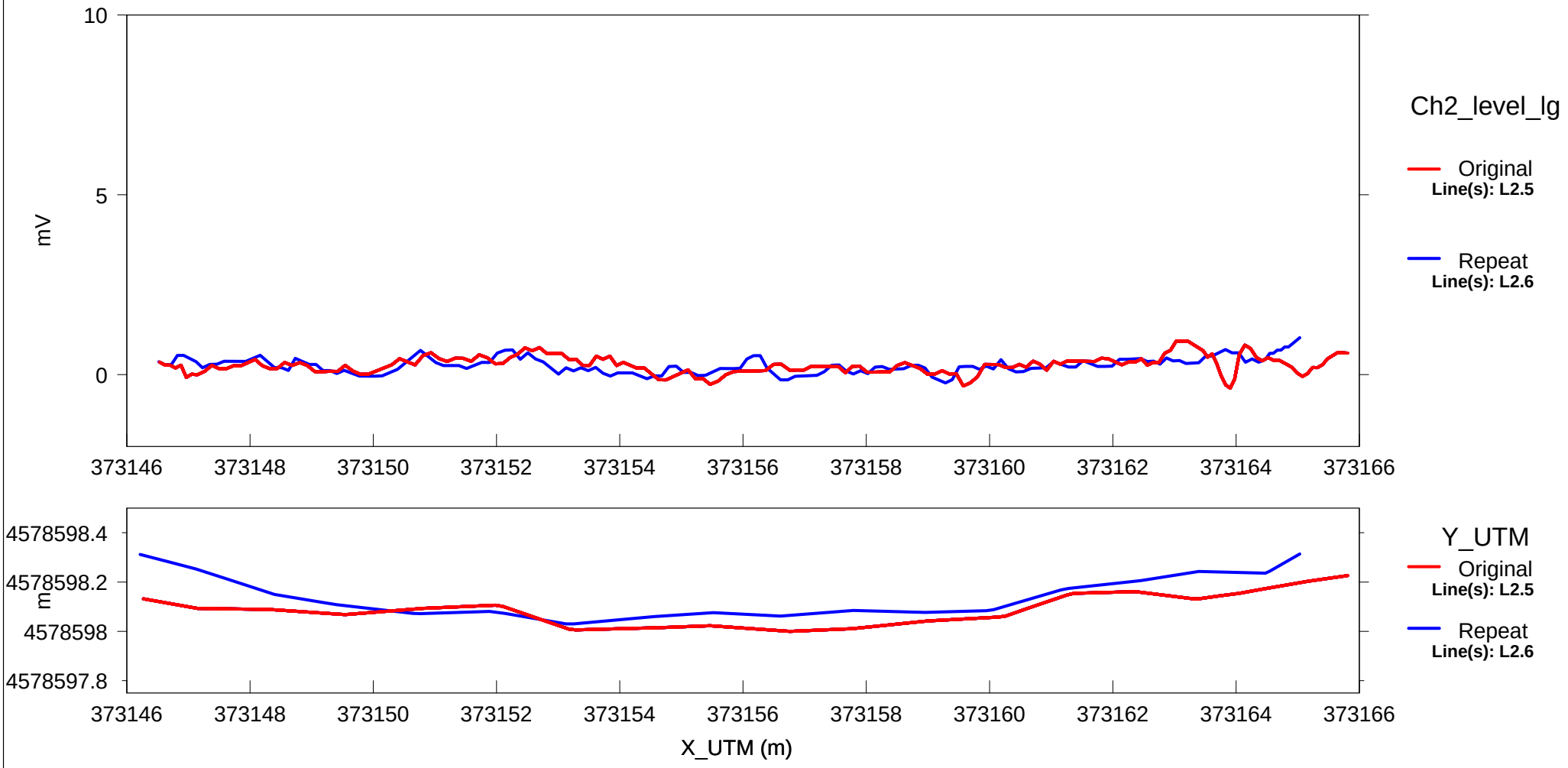
Date of Map Creation: 03/18/2011
Date of Survey: 03/17/2011

S0036 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0036_Repeat.gdb

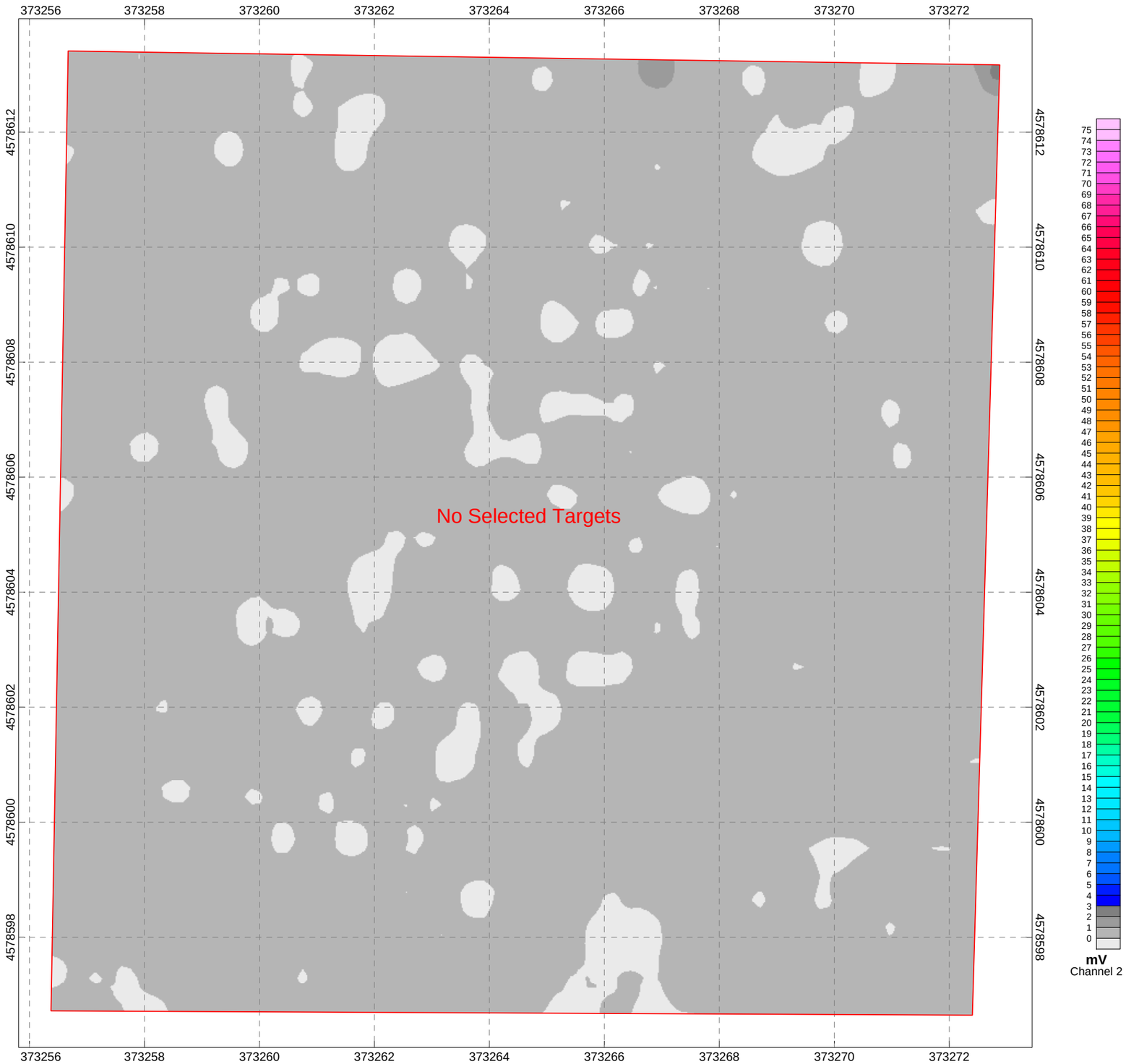
S0036 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0036_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0036	S0036	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys



Legend

- Grid Boundary
- Culture Boundary
- Brush — Culture (if noted)
- 2 — Selected Target
  (See Target List For Response and Location)
  (Unique Target ID is S0037XXXX, eg. S00370002)

N

Scale 1:75

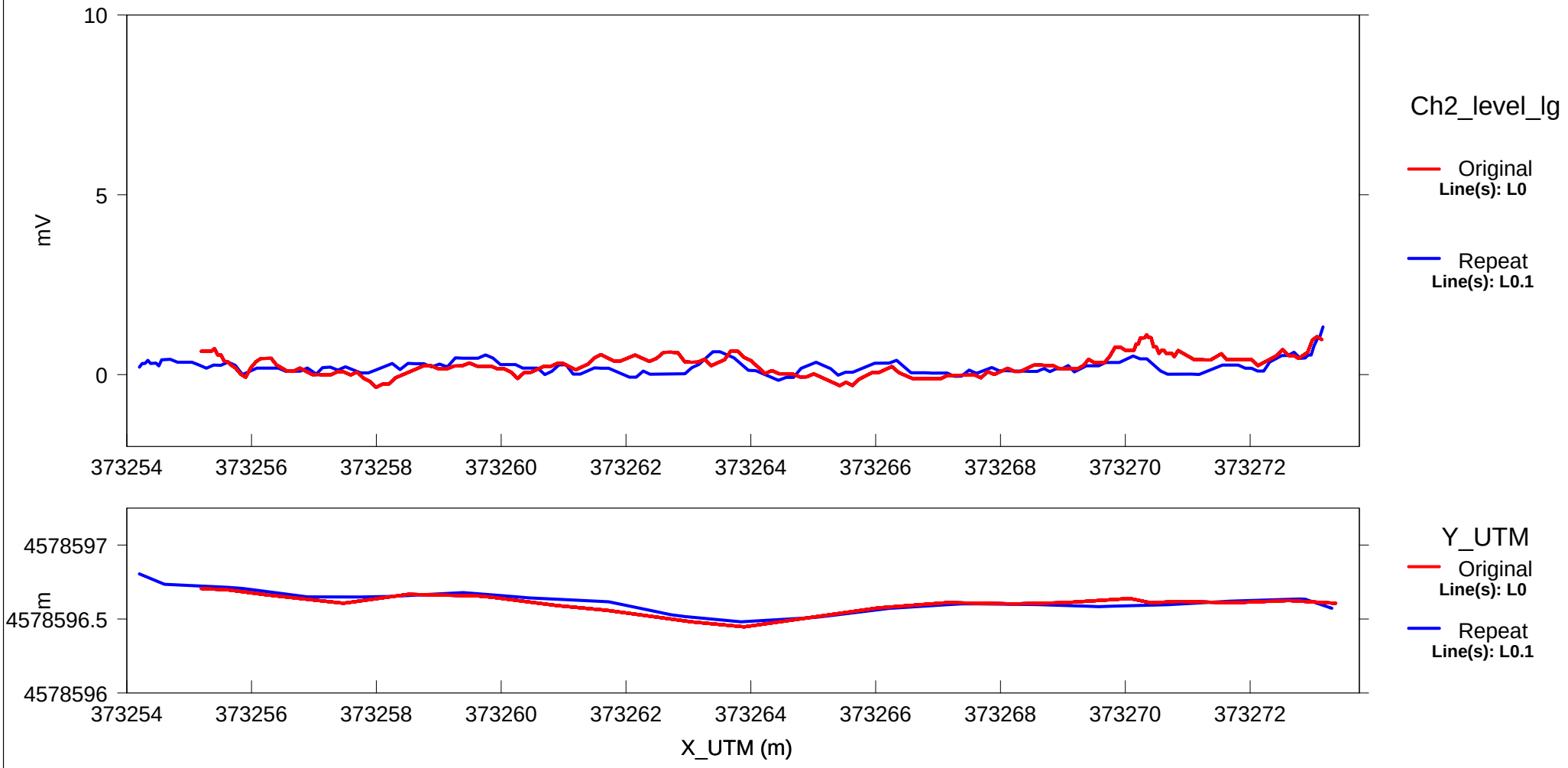
1 0 1 2 3 4
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0037
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

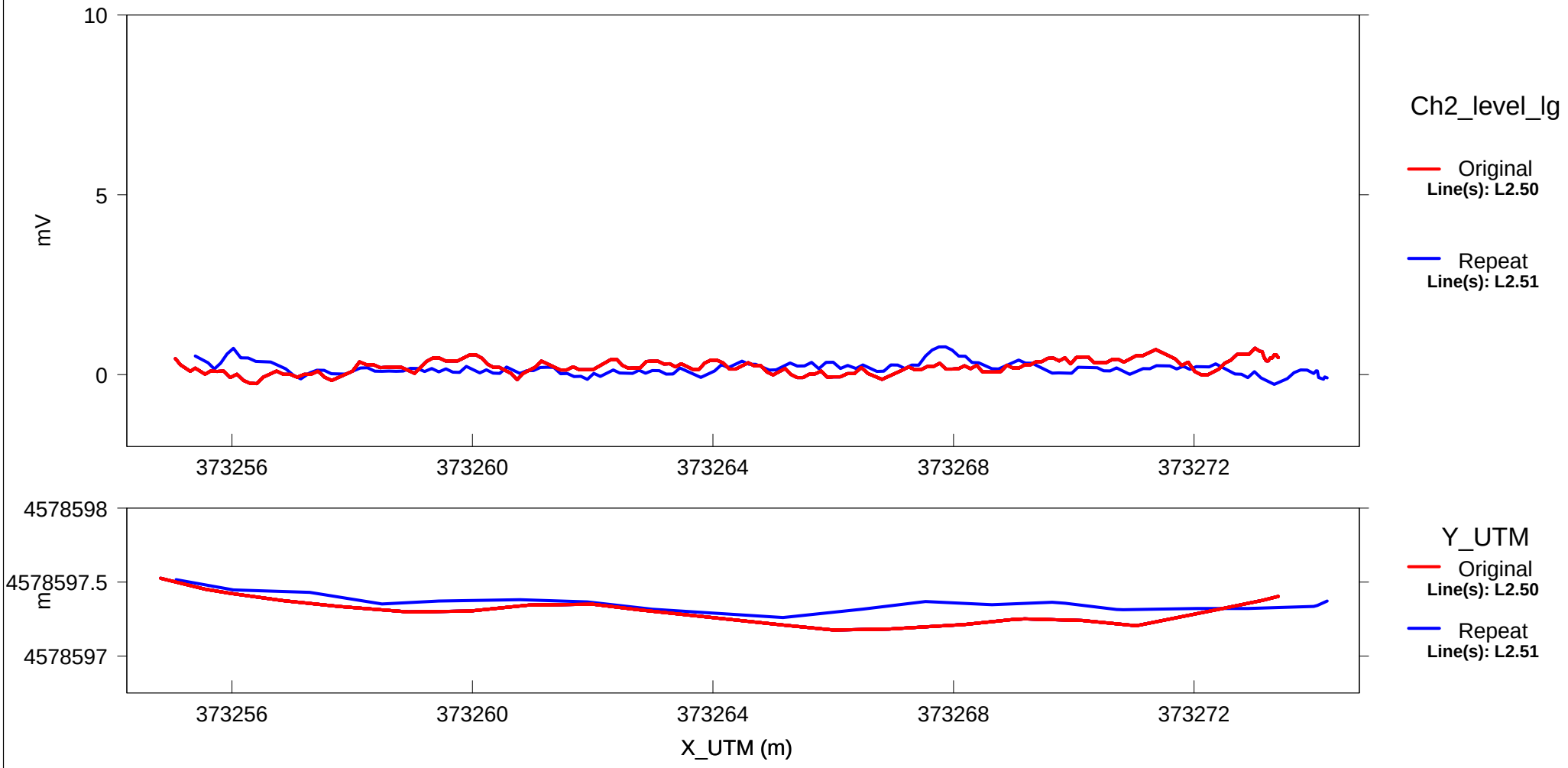
Date of Map Creation: 03/18/2011
Date of Survey: 03/17/2011

S0037 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0037_Repeat.gdb

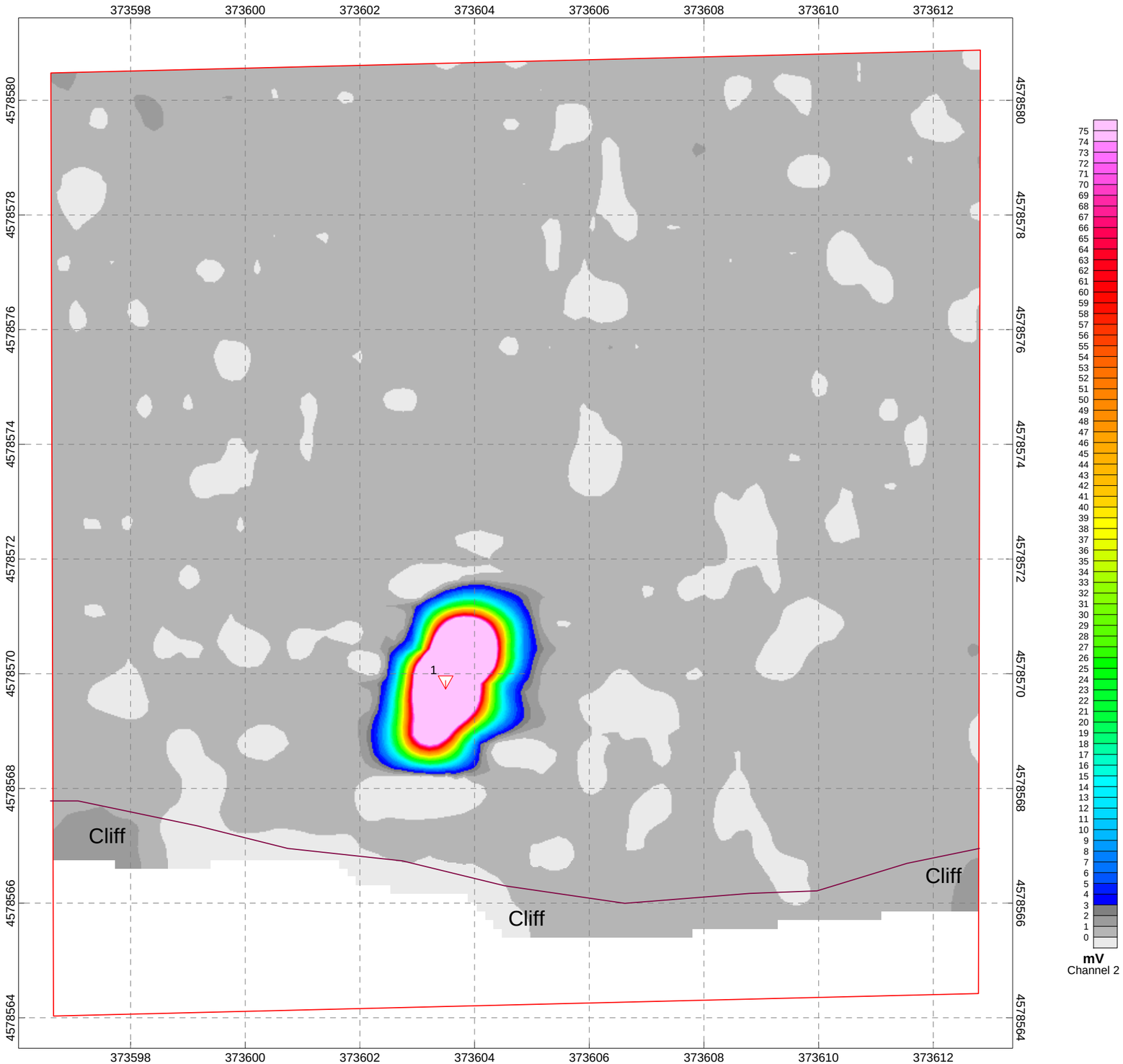
S0037 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0037_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0037	S0037	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys



Legend

Grid Boundary

Culture Boundary

Brush
Culture (if noted)

2
Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0038XXXX, eg. S00380002)

Scale 1:75

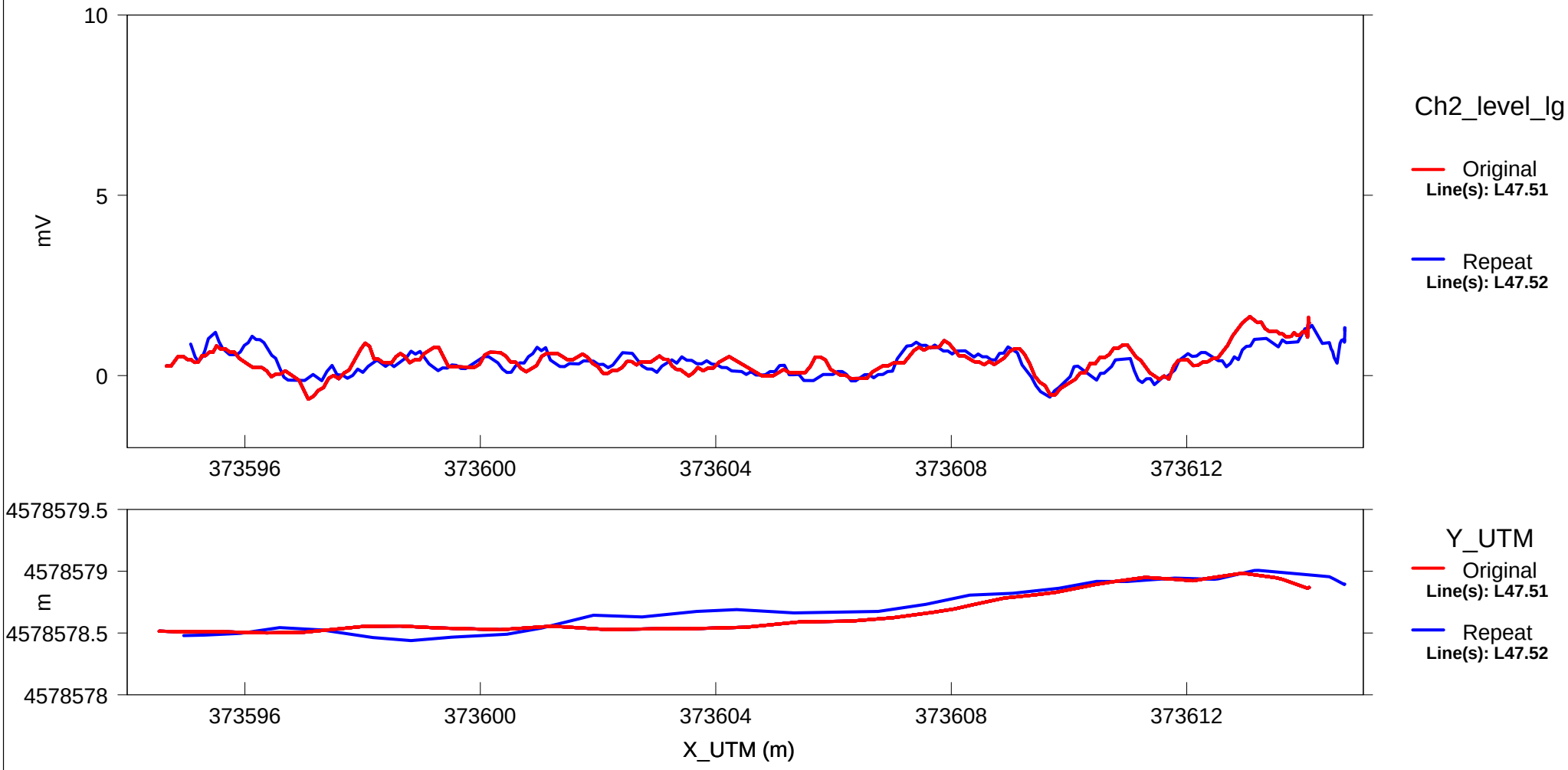
1 0 1 2 3 4
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0038
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

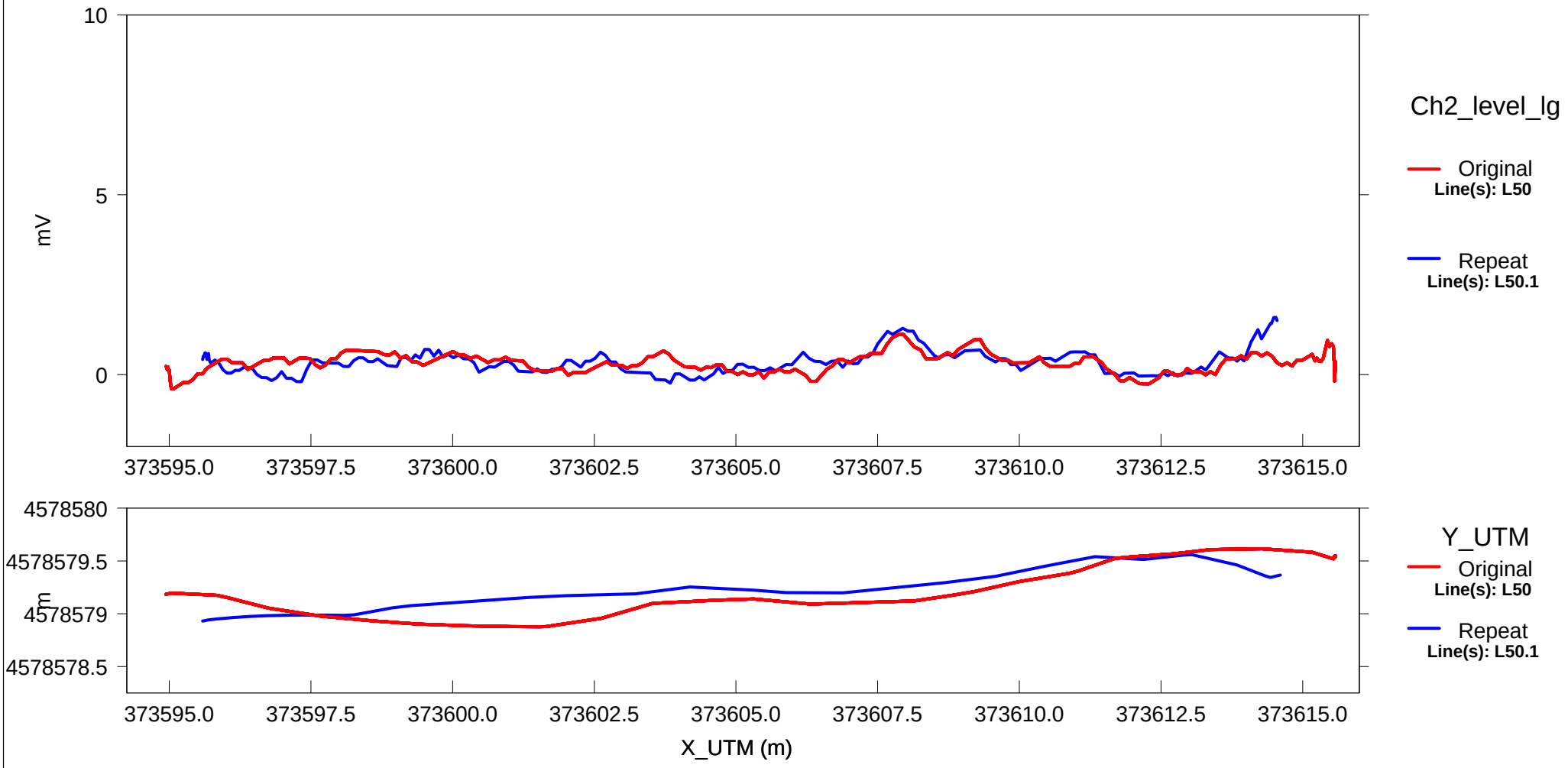
Date of Map Creation: 03/18/2011
Date of Survey: 03/17/2011

S0038 Repeat Line 47.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0038_Repeat.gdb

S0038 Repeat Line 50 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0038_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0038	S0038	S00380001	373603.495	4578569.883	482.9078583	319.7329712	153.0183157	48.51637949	0	0	Footprint extends roughly 2.4 x 3.25m

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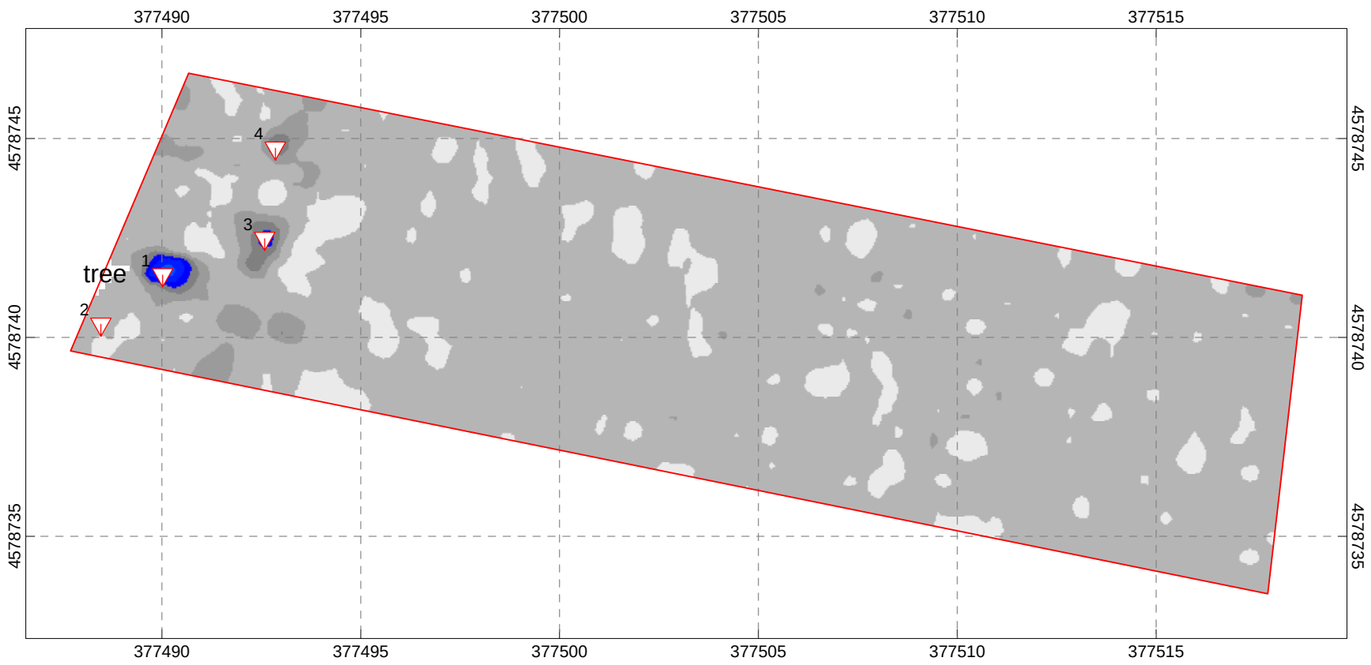
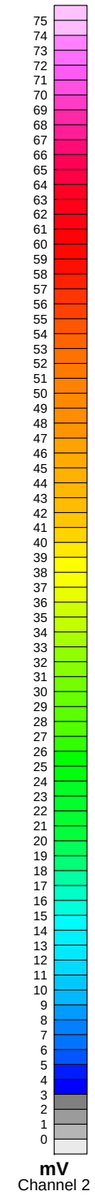
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0039XXXX, eg. S00390002)

Scale 1:150

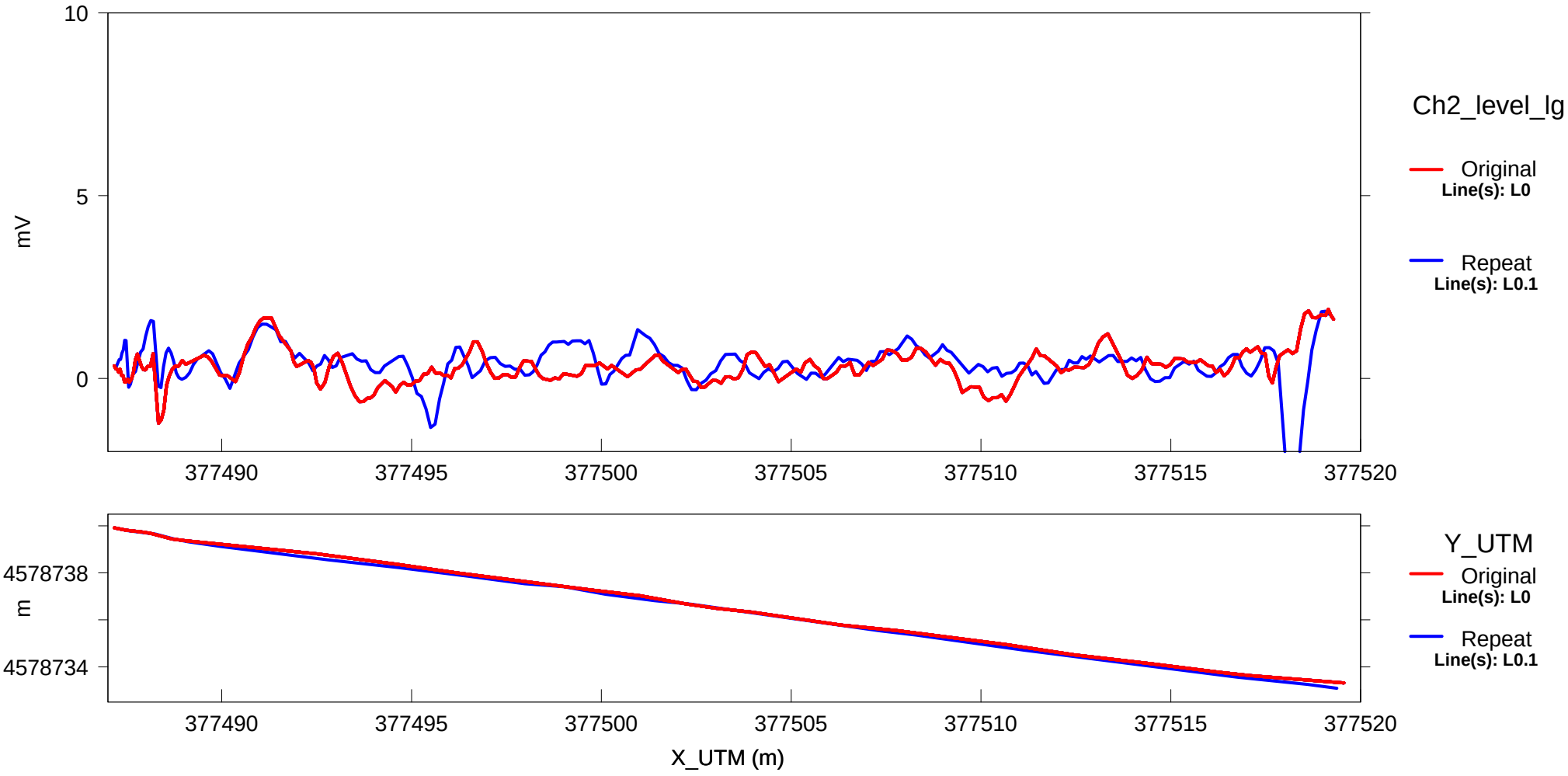
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0039
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

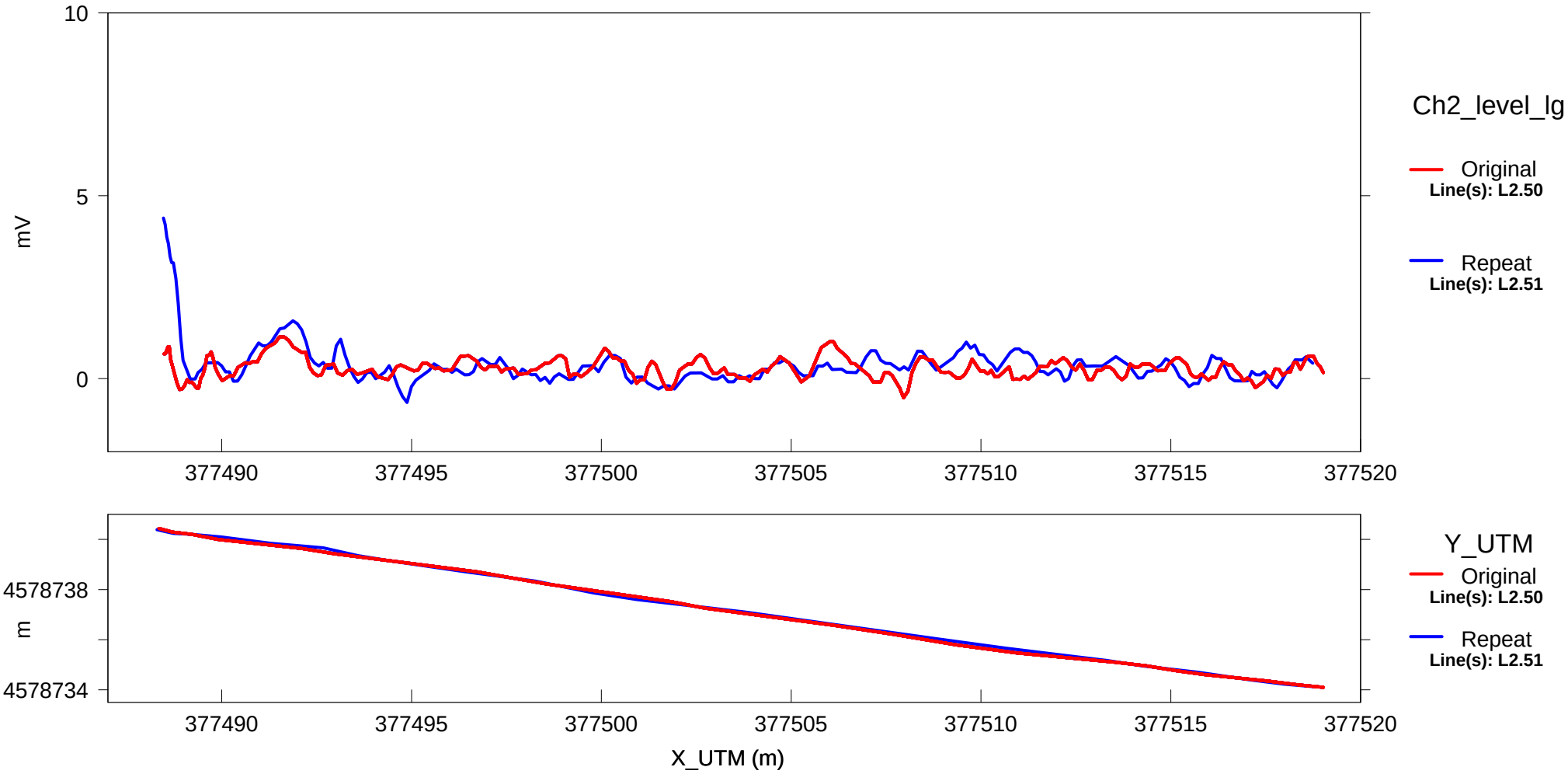
Date of Map Creation: 03/21/2011
Date of Survey: 03/18/2011

S0039 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0039_Repeat.gdb

S0039 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0039_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSou	Comments
N10UXB0001	S0039	S0039	S00390001	377490	4578742	8.774192	5.495413	3.108594	1.327849	0	0	
N10UXB0001	S0039	S0039	S00390002	377488.5	4578740	9.559229	4.390172	1.207054	0.153092	0	0	Selected from
N10UXB0001	S0039	S0039	S00390003	377492.6	4578742	7.439081	3.879145	1.459099	0.259169	0	0	
N10UXB0001	S0039	S0039	S00390004	377492.9	4578745	5.834605	3.471539	2.046597	0.540901	0	0	

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
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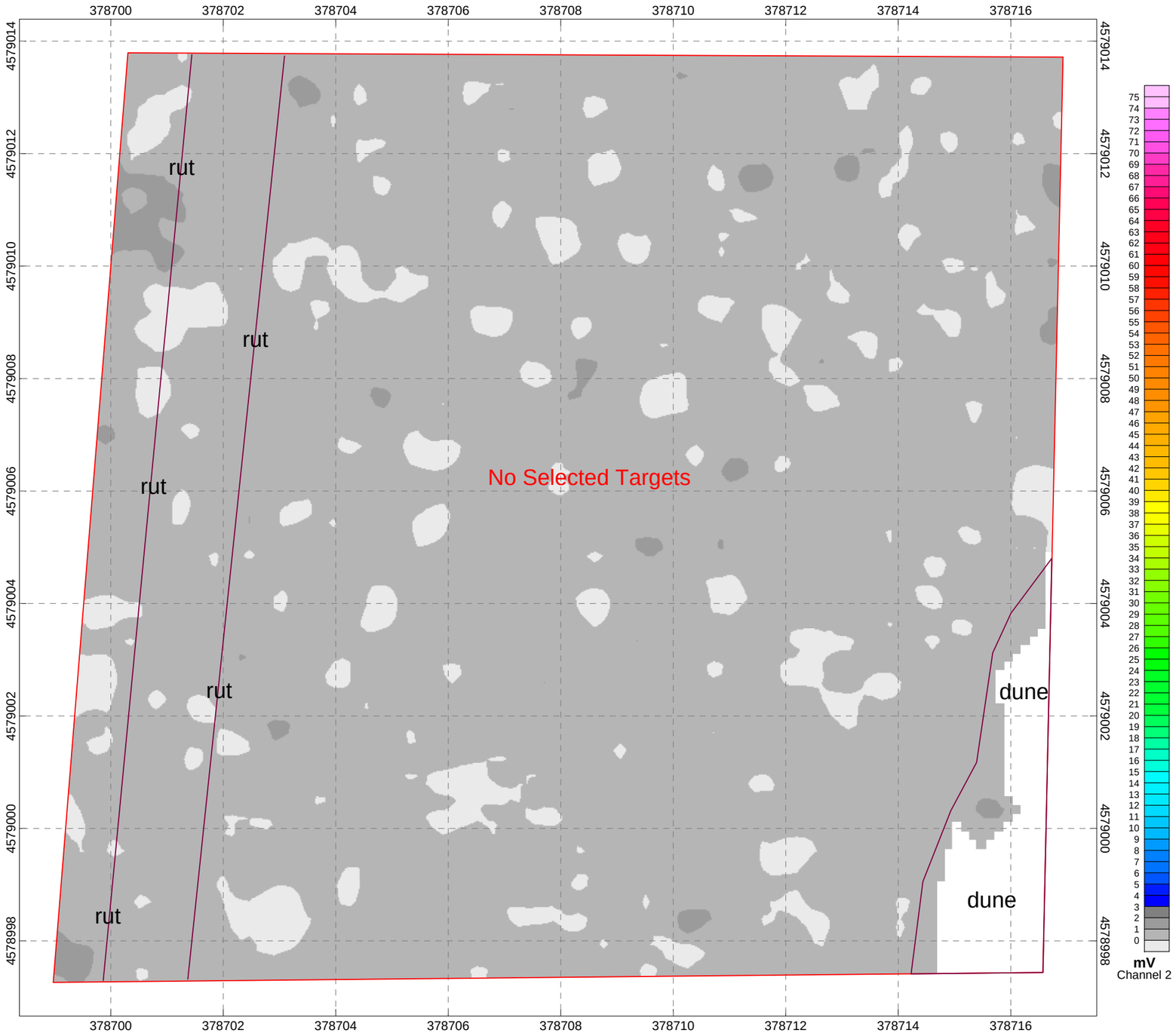
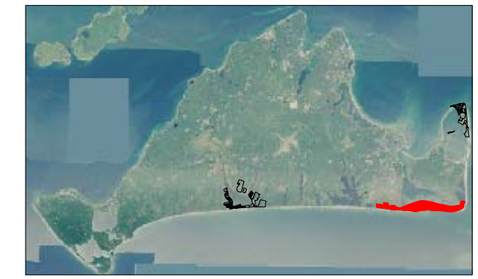




Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0041XXXX, eg. S00410002)

Scale 1:80

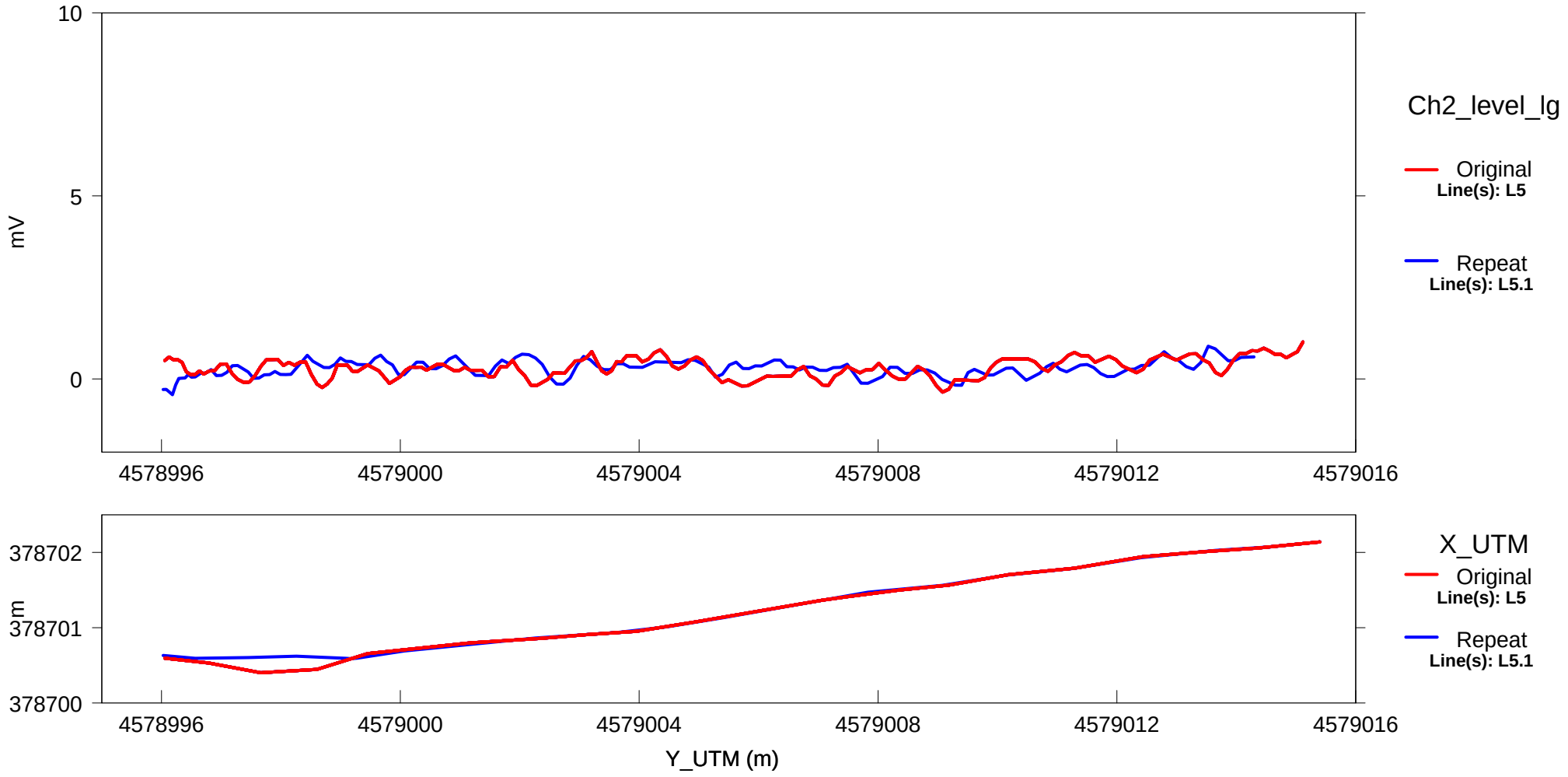
1 0 1 2 3 4 5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0041
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

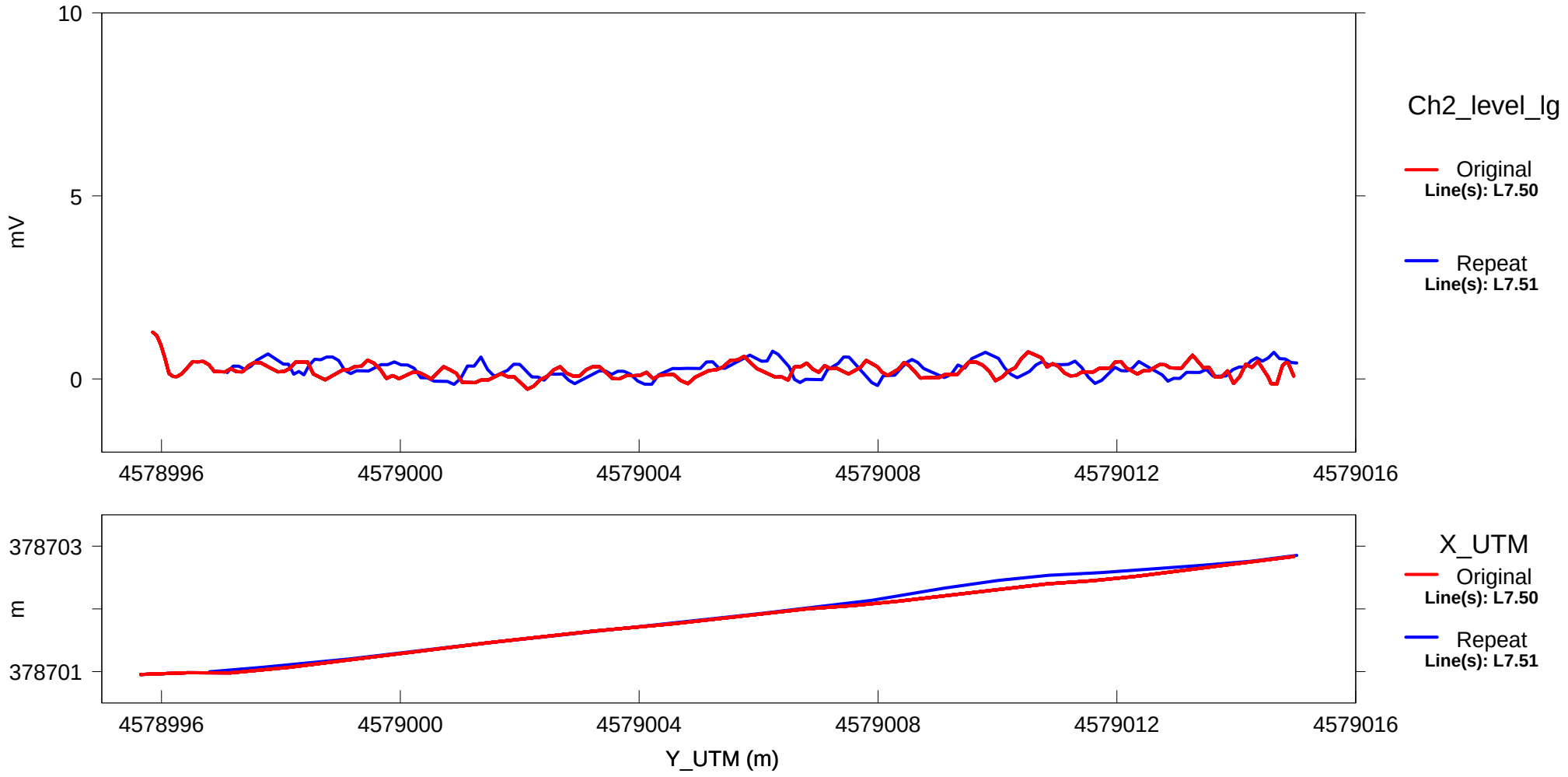
Date of Map Creation: 03/21/2011
Date of Survey: 03/18/2011

S0041 Repeat Line 5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0041_Repeat.gdb

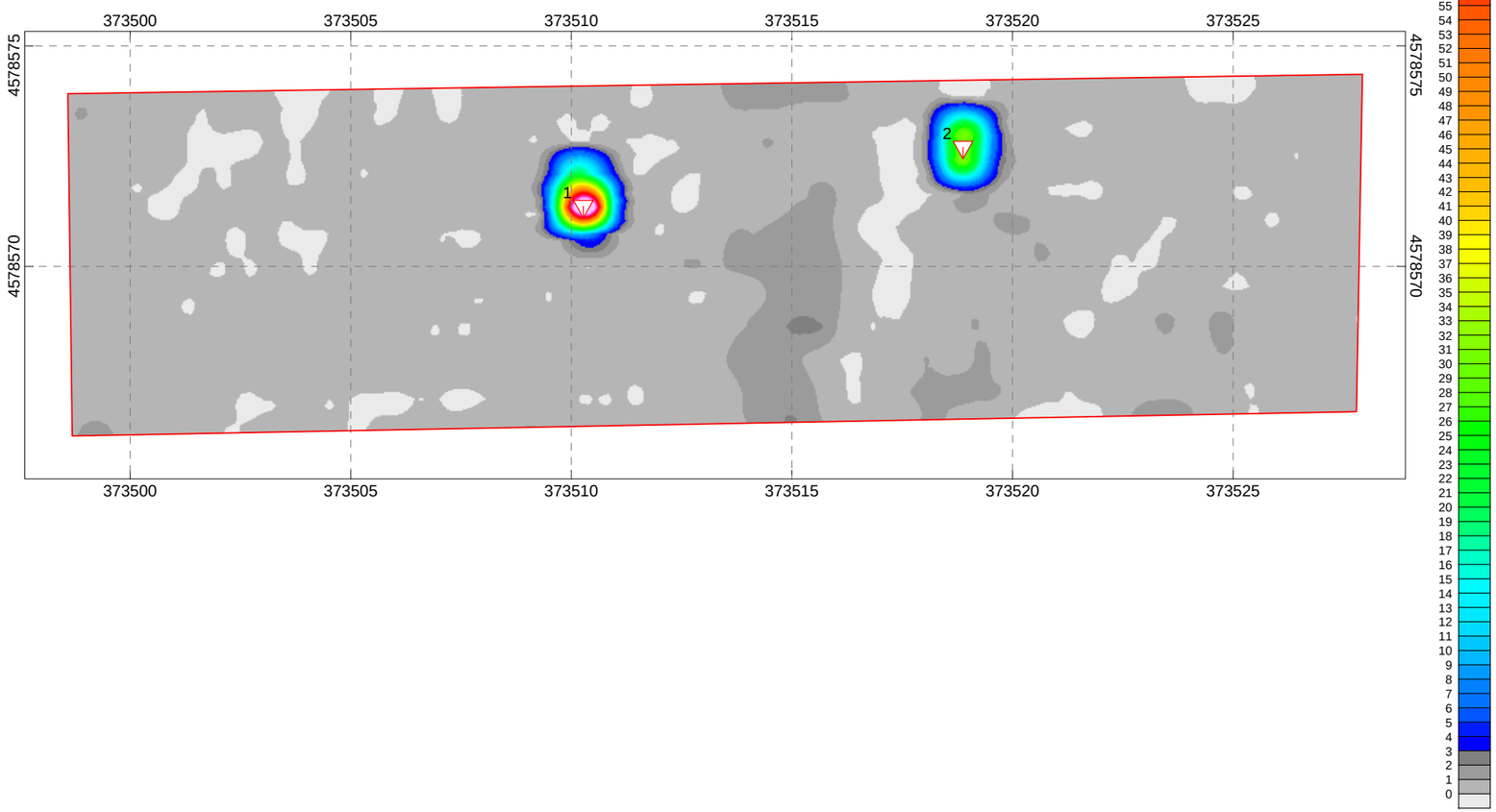
S0041 Repeat Line 7.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0041_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_Sing	KnownSou	Comments
N10UXB0001	S0041	S0041	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys



Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0042XXXX, eg. S00420002)

N

Scale 1:130

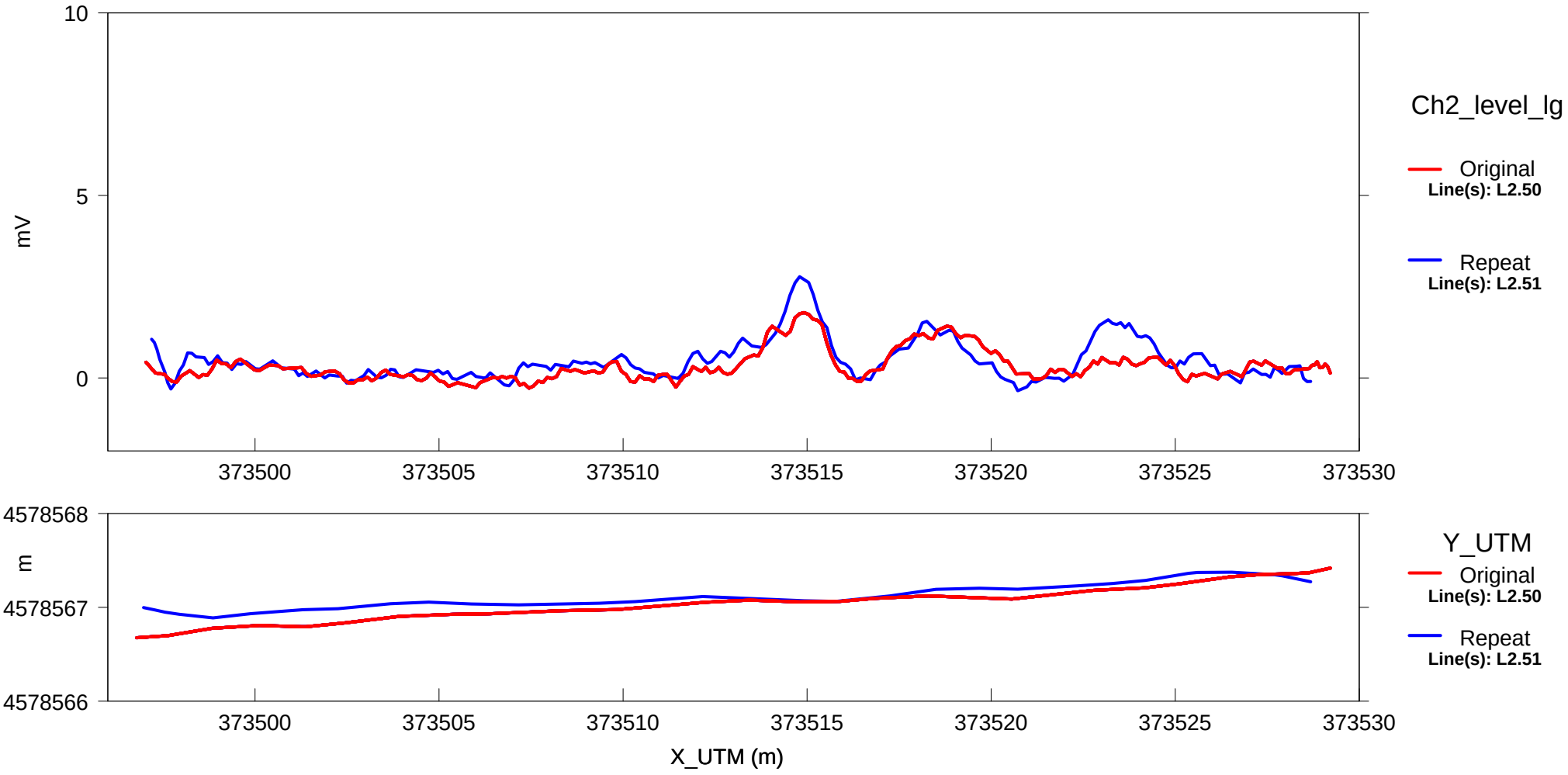
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0042
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

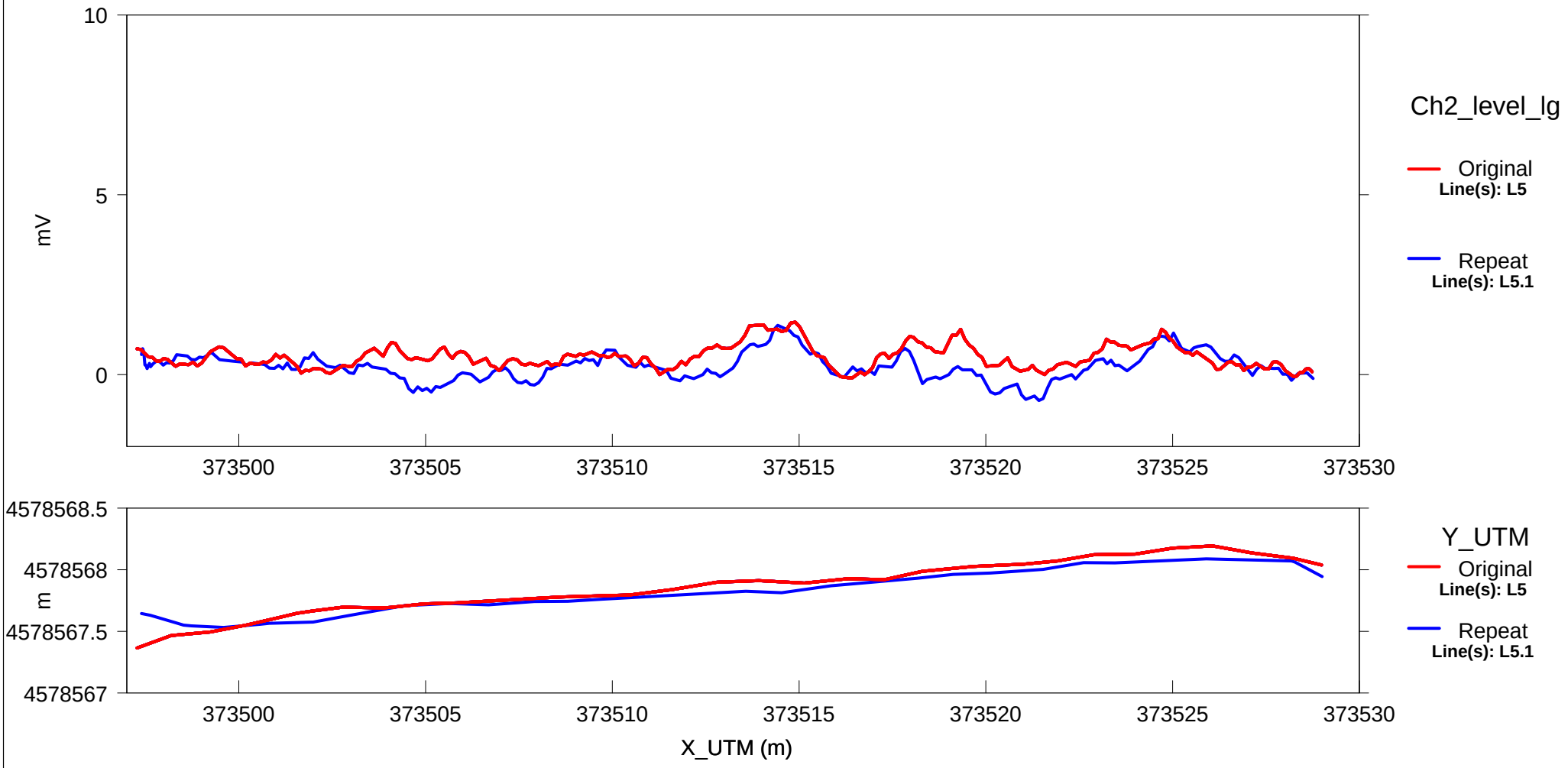
Date of Map Creation: 03/24/2011
Date of Survey: 03/23/2011

S0042 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0042_Repeat.gdb

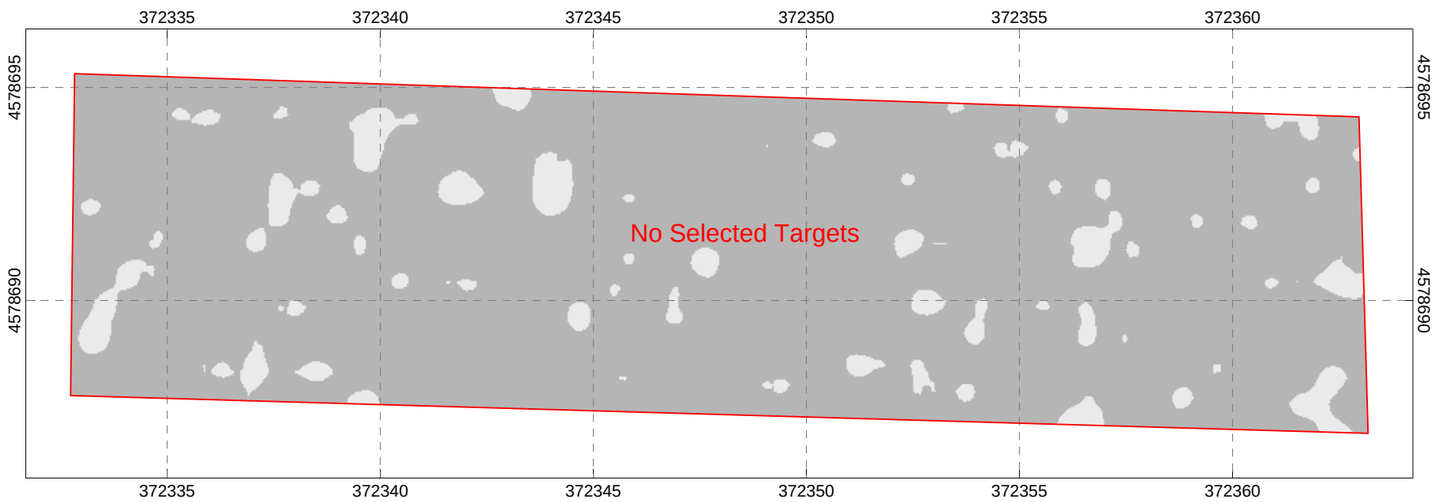
S0042 Repeat Line 5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

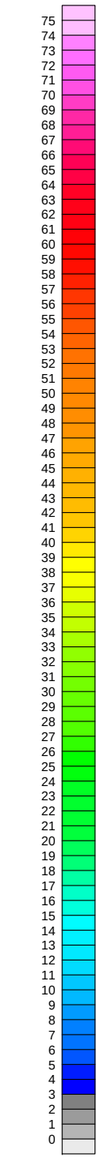


Database: S0042_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0042	S0042	S00420001	373510.272	4578571.36	161.4181049	102.0886546	41.453375	9.459039236	0	0	
N10UXB0001	S0042	S0042	S00420002	373518.875	4578572.7	49.14472879	31.61450224	12.70556615	3.066567716	0	0	Target moved to center of anomaly

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0043XXXX, eg. S00430002)

Scale 1:140

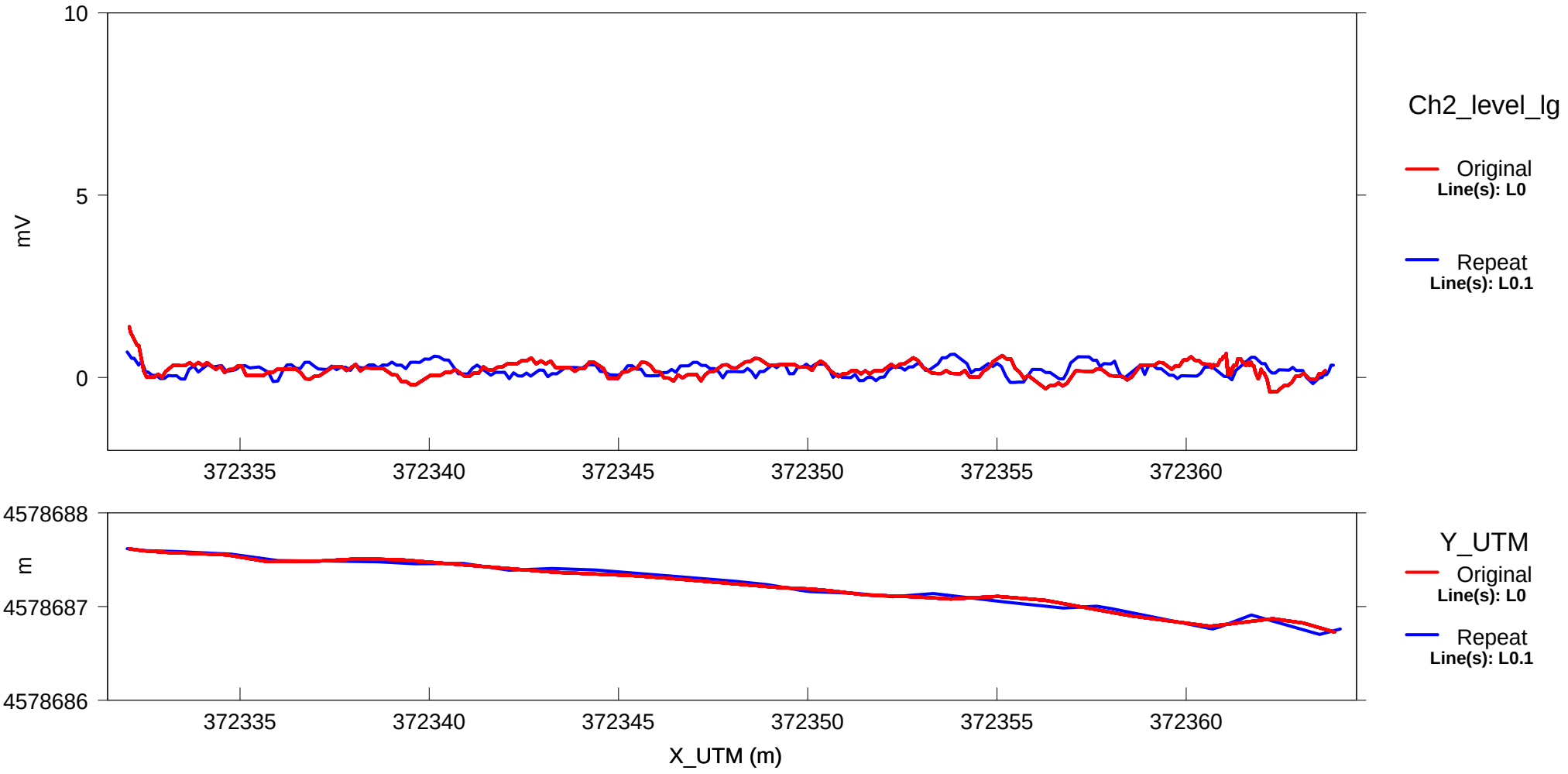
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0043
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

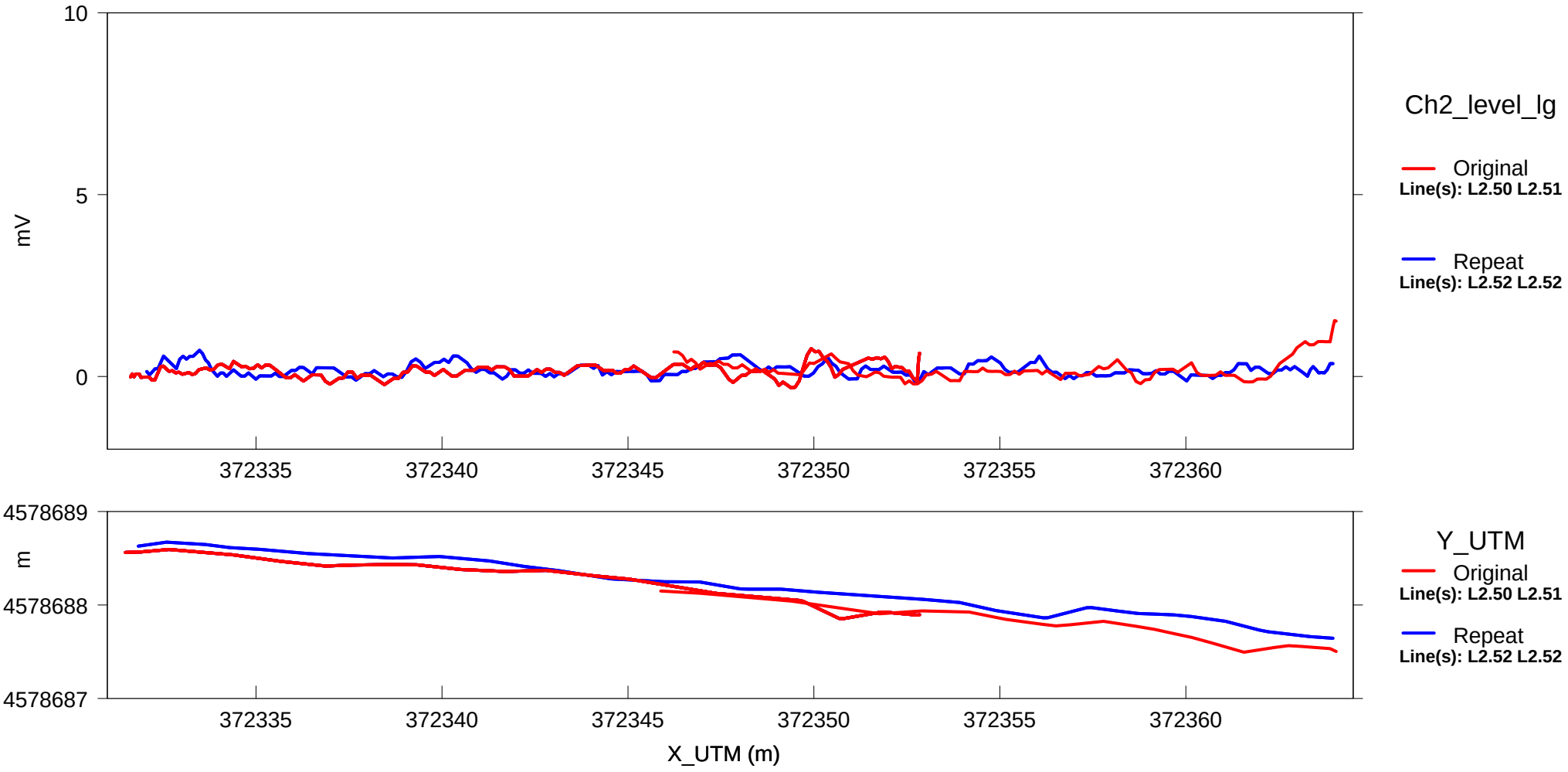
Date of Map Creation: 03/31/2011
Date of Survey: 03/30/2011

S0043 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0043_Repeat.gdb

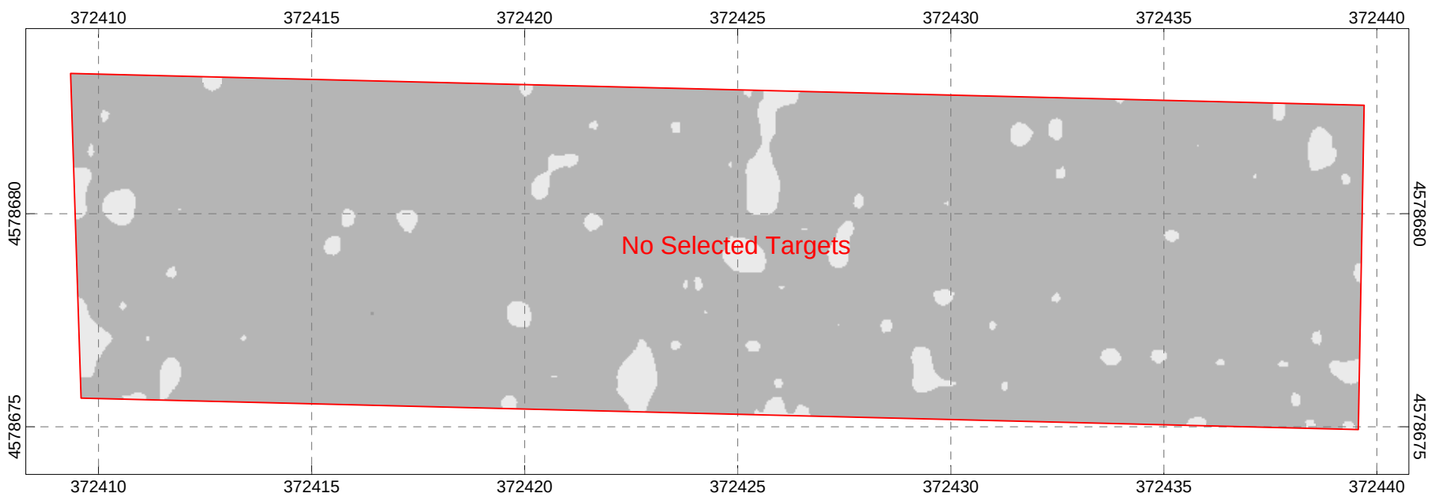
S0043 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

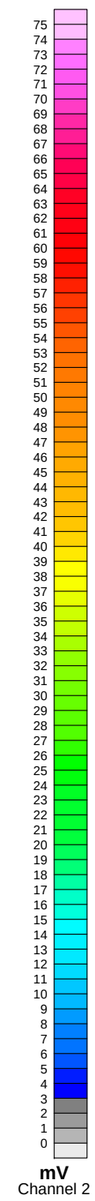


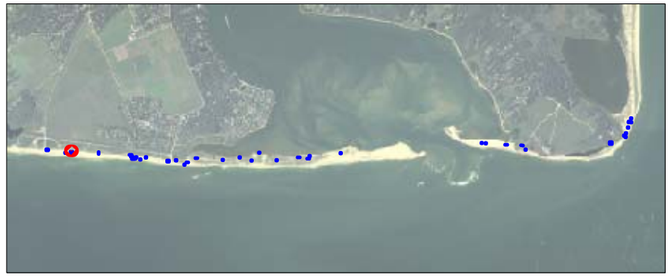
Database: S0043_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0043	S0043	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys







Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0044XXXX, eg. S00440002)

Scale 1:140

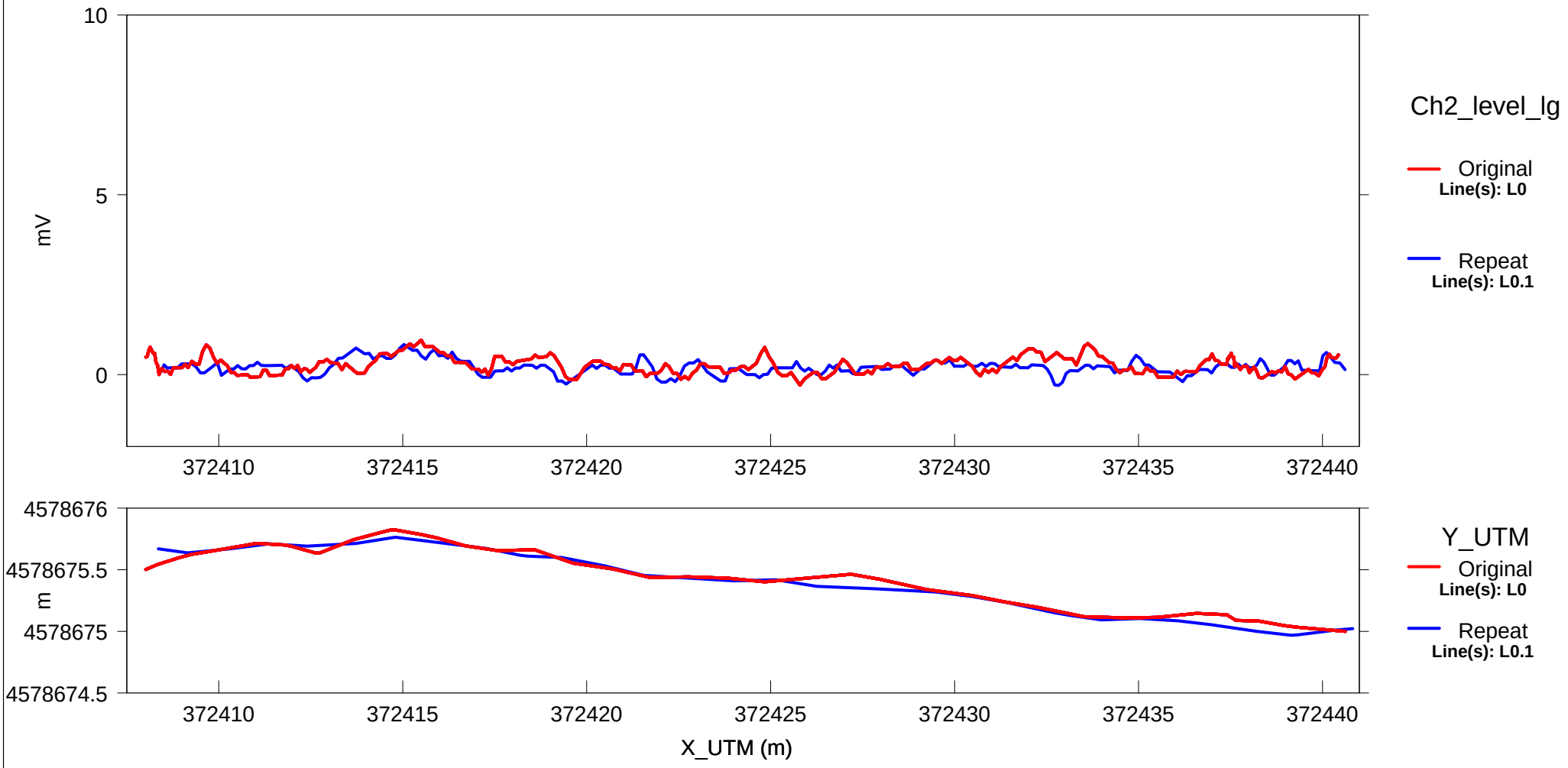
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0044
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

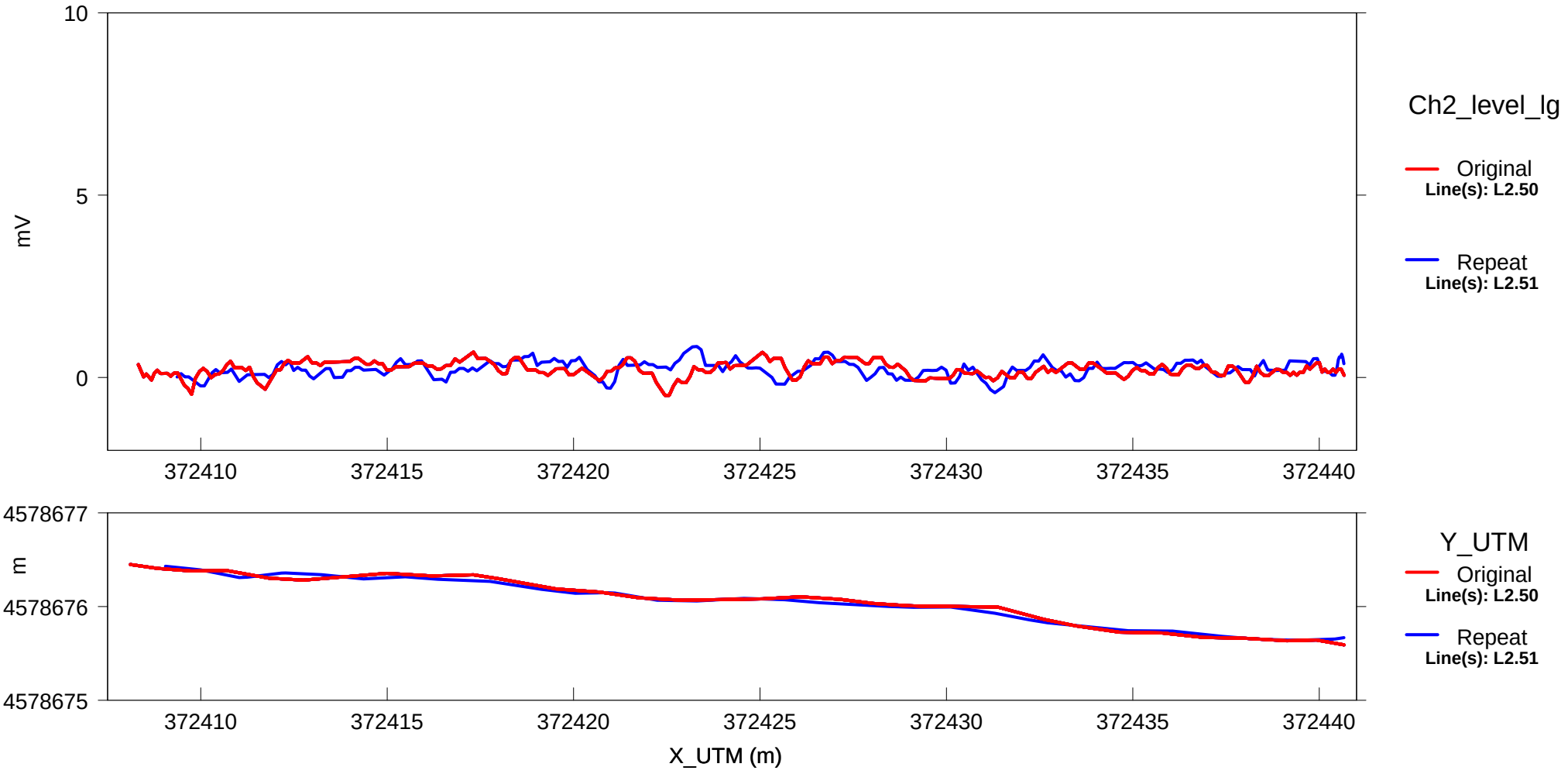
Date of Map Creation: 03/31/2011
Date of Survey: 03/30/2011

S0044 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0044_Repeat.gdb

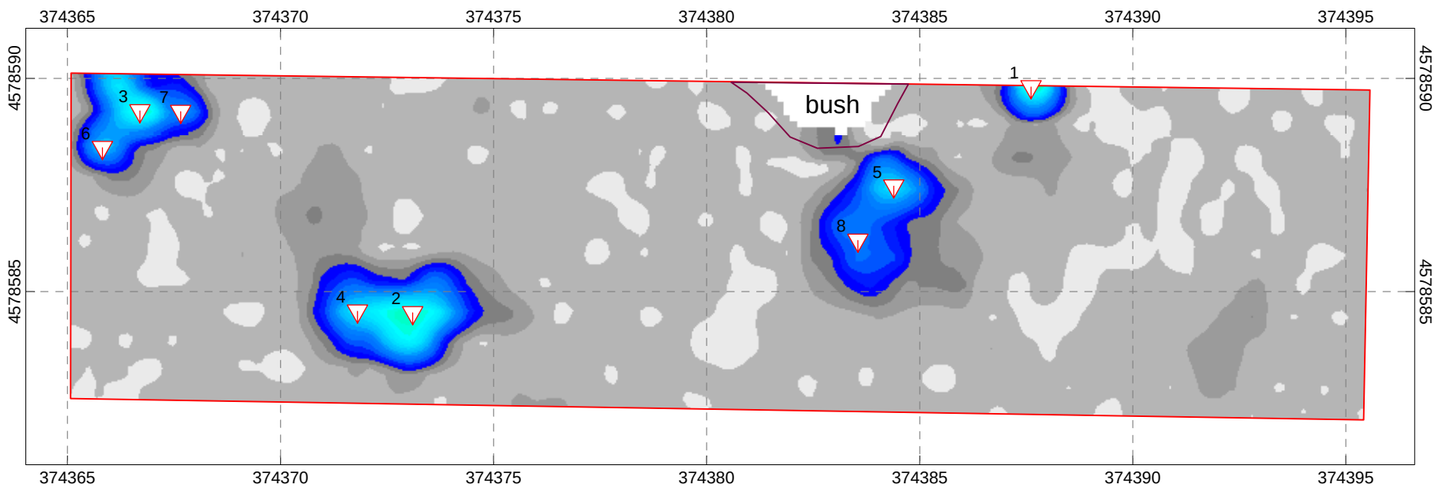
S0044 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach

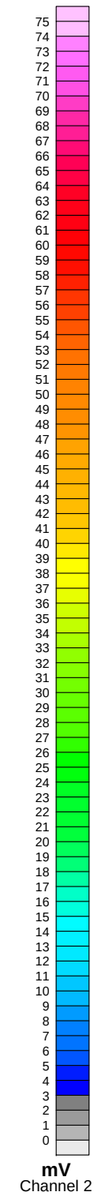


Database: S0044_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0044	S0044	No Selected Targets									

NAeVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush — Culture (if noted)

2 — Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0045XXXX, eg. S00450002)

N

Scale 1:140

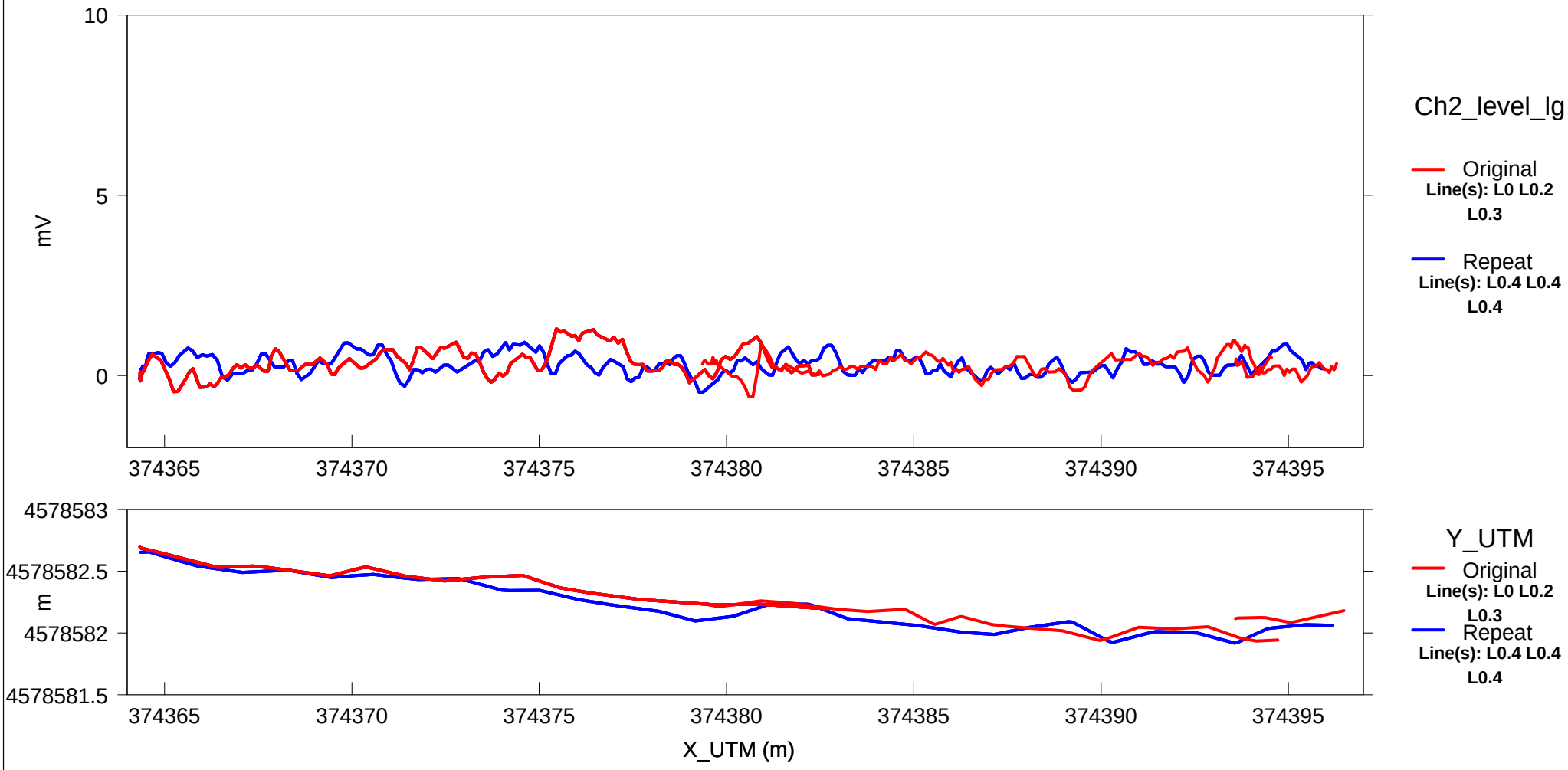
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0045
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

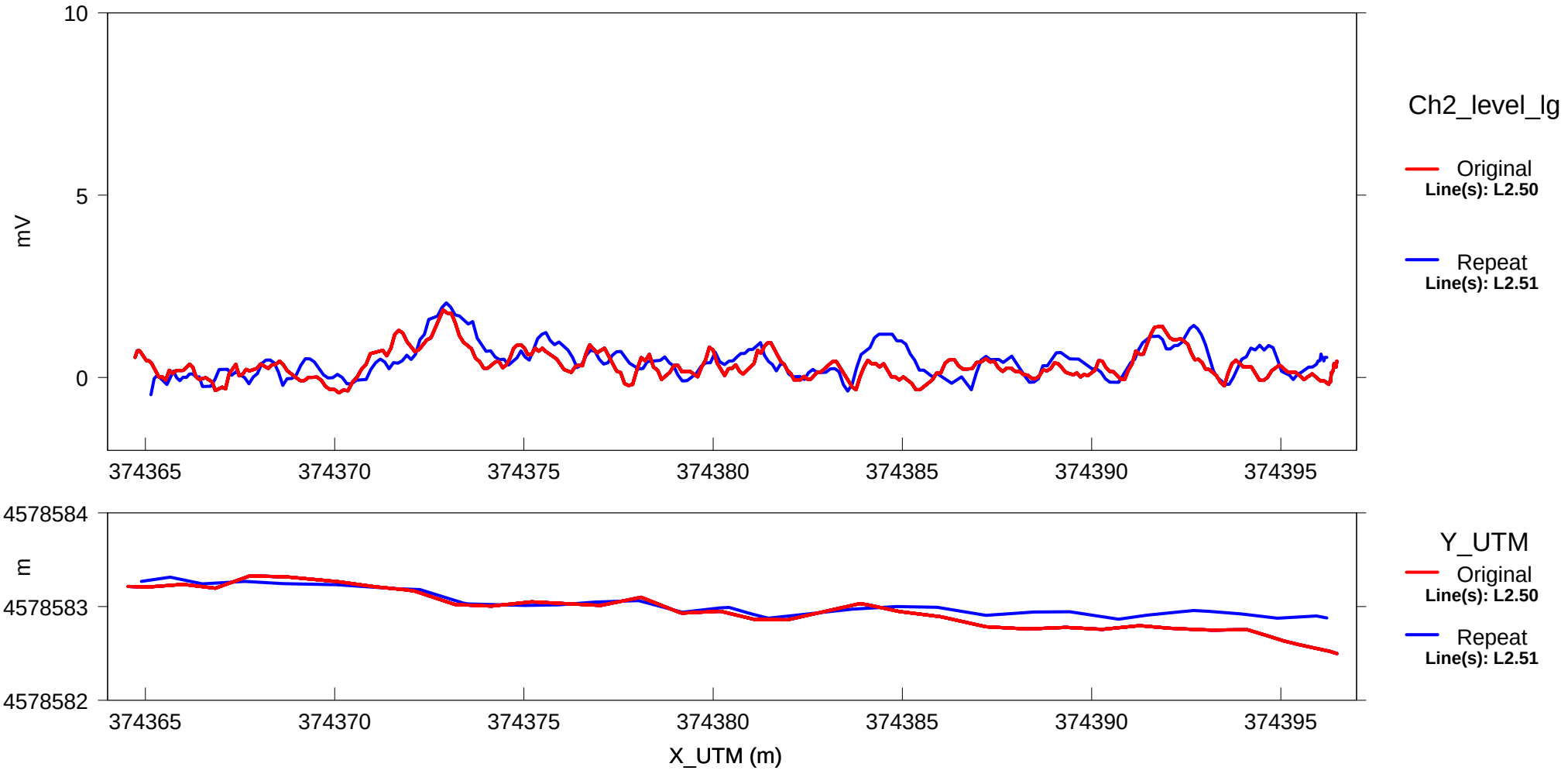
Date of Map Creation: 03/31/2011
Date of Survey: 03/30/2011

S0045 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0045_Repeat.gdb

S0045 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0045_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource
N10UXB0001	S0045	S0045	S00450001	374387.612	4578589.8	30.00991059	22.4692564	13.96821099	8.479373845	0	0
N10UXB0001	S0045	S0045	S00450002	374373.1	4578584.5	24.72051864	17.2948955	9.062885845	3.061162728	0	0
N10UXB0001	S0045	S0045	S00450003	374366.7	4578589.239	24.73991792	17.26203112	9.53592758	4.529293329	0	0
N10UXB0001	S0045	S0045	S00450004	374371.806	4578584.537	16.96711138	12.48856532	7.076052311	2.56597243	0	0
N10UXB0001	S0045	S0045	S00450005	374384.391	4578587.473	17.54782778	12.03664548	6.570606345	2.487047535	0	0
N10UXB0001	S0045	S0045	S00450006	374365.82	4578588.375	16.2400792	10.19751069	5.607596219	2.293055016	0	0
N10UXB0001	S0045	S0045	S00450007	374367.656	4578589.222	11.93323491	8.426865679	4.765342871	2.313297479	0	0
N10UXB0001	S0045	S0045	S00450008	374383.55	4578586.2	10.78959657	7.187980397	3.197915245	0.976449801	0	0

Comments
Target moved within grid boundary, peak approx. 0.1m to N
Target moved to center of anomaly; Secondary peak approx. 0.9m to NE
Secondary peak approx. 0.8m to NW
Possibly related to target to E

Secondary peak approx. 0.6m to NNW
Target moved to center of anomaly

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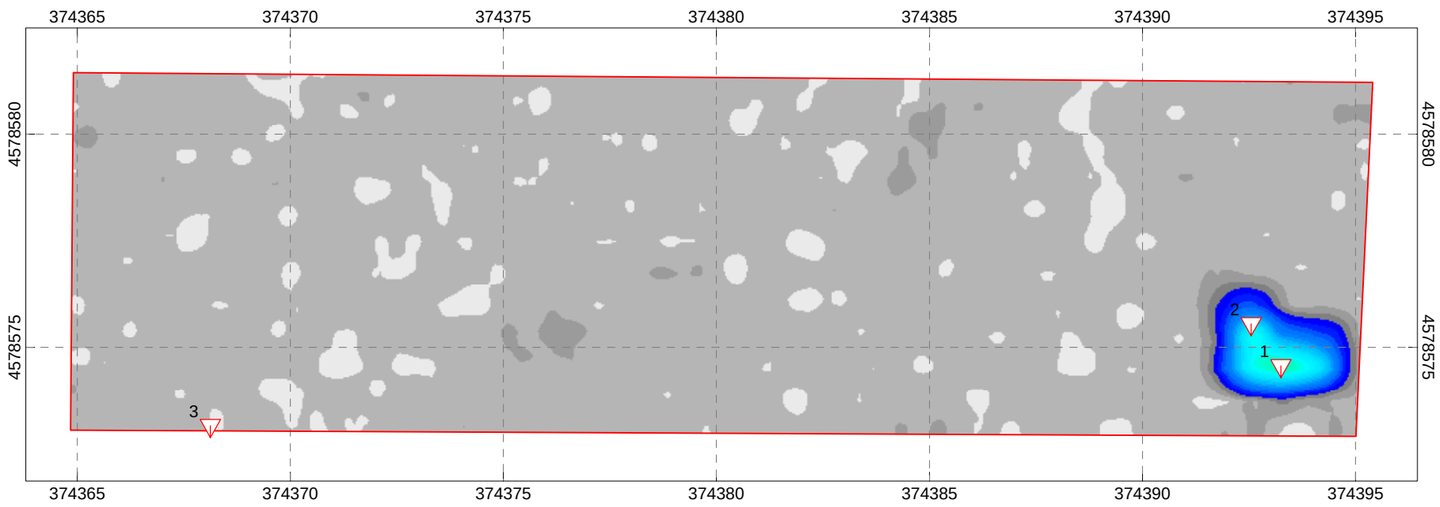
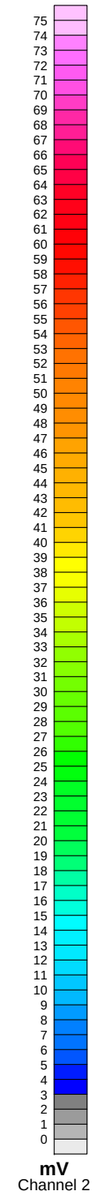
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys





Legend

Grid Boundary

Culture Boundary

Brush Culture (if noted)

2 Selected Target
(See Target List For Response and Location)
(Unique Target ID is S0046XXXX, eg. S00460002)

Scale 1:140

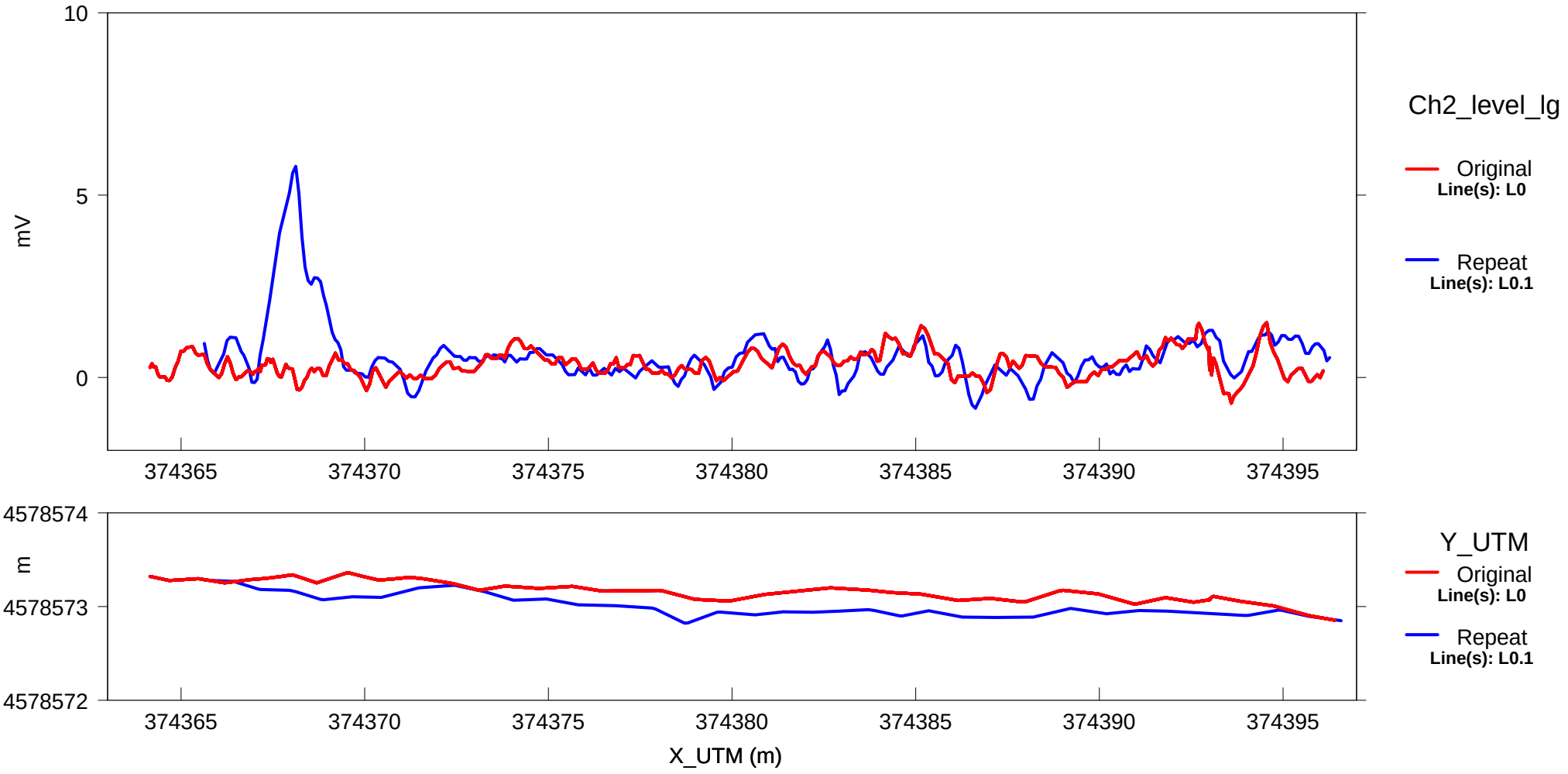
2.5 0 2.5 5 7.5
(meters)

UXB International, Inc.

EM61 MK2 Bottom Coil
Grid S0046
Former Moving Target Machine Gun Range at South Beach
Martha's Vineyard, Massachusetts

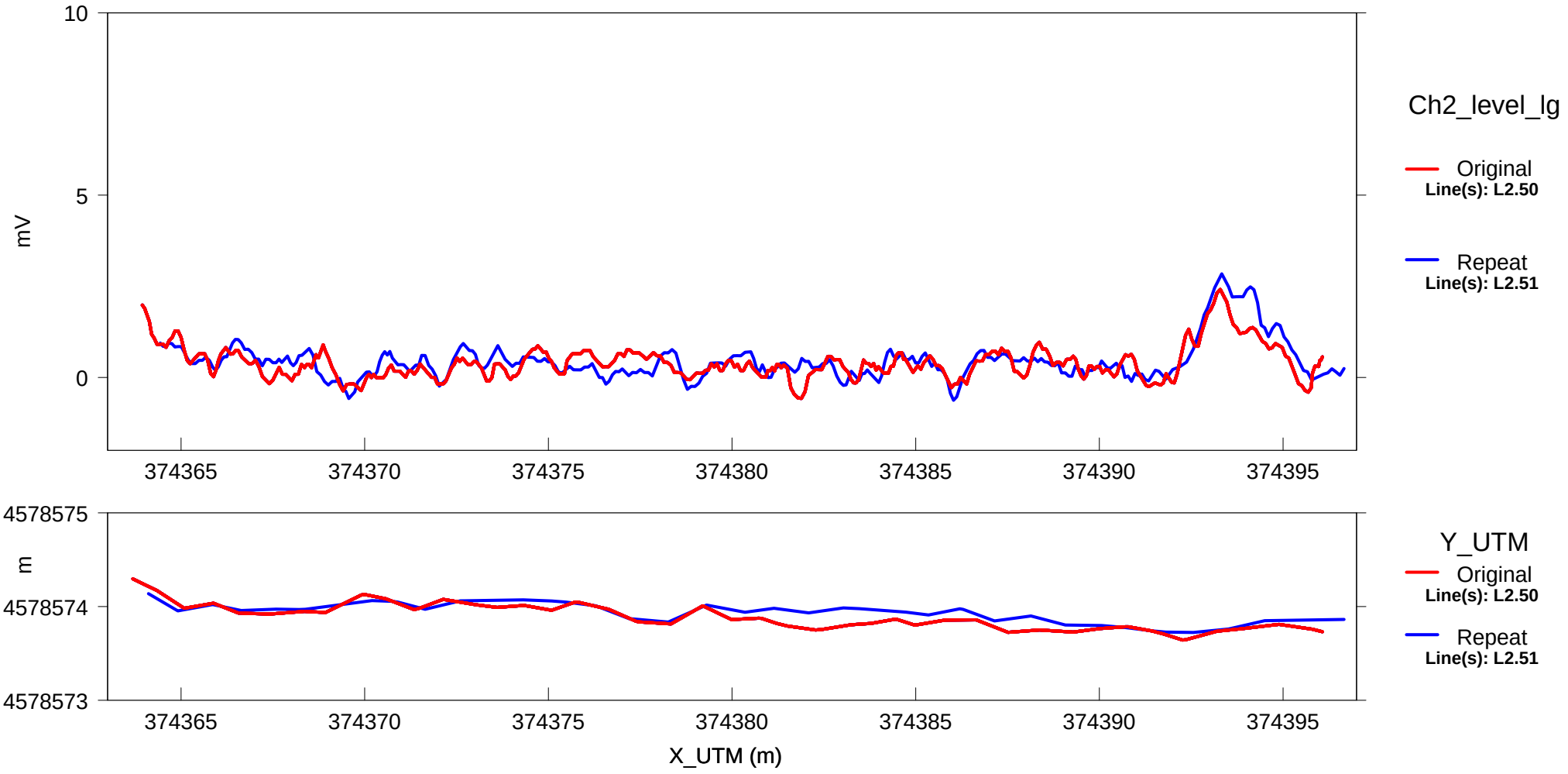
Date of Map Creation: 03/31/2011
Date of Survey: 03/30/2011

S0046 Repeat Line 0 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0046_Repeat.gdb

S0046 Repeat Line 2.5 - EM61 MK2 Bottom Coil
Former Moving Target Machine Gun Range at South Beach



Database: S0046_Repeat.gdb

Project_ID	Dataset_ID	Location	Target_ID	Easting	Northing	CH1_final	CH2_final	CH3_final	CH4_final	Ply_or_SinglePt	KnownSource	Comments
N10UXB0001	S0046	S0046	S00460001	374393.249	4578574.564	29.09266976	17.77065168	7.683503456	2.069227661	0	0	
N10UXB0001	S0046	S0046	S00460002	374392.55	4578575.55	23.52676823	15.16998759	7.033529217	1.989182242	0	0	Target moved to center of anomaly
N10UXB0001	S0046	S0046	S00460003	374368.125	4578573.159	12.44915575	5.791049886	1.69567741	0.365862394	0	0	Selected from repeat line; Possible data spike

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