

**DGM Data Processing Notes Tracking and Equipment QC  
Checks  
Daily File Processing Notes  
Parker Flats Phase II MRA, Former Fort Ord**

# Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

**Survey Date:** 6/9/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060909-1TA.gdb

## Processing Parameters

Drift Correction Performed	True
Window Length	200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

## Latency

Latency AM	0.4
Latency PM	0.4

## Pre-Processing Information [xyz]

Pre-Processing Date	6/9/2009
Pre-Processed By	Mark Saunders
Completion Date	6/9/2009

## Processing Information

Processing Date	6/9/2009
Processed By	Mark Saunders
Completion Date	6/9/2009

## Processing Notes:

Parker Flats Trails

## Statistics and Data Evaluation

Velocity [mph]	2.11
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.079
Background Signal Std Dev	2.45

## Survey QC

Internal QC	6/9/2009	Mark Saunders
Geophysics QC	6/9/2009	Mark Saunders

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 6/9/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 060909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/9/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/9/2009

## Processing Information

Processing Date 6/9/2009  
Processed By Mark Saunders  
Completion Date 6/9/2008

## Processing Notes:

Parker Flats Trails

## Survey QC

Internal QC 6/9/2009 Mark Saunders  
Geophysics QC 6/9/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.95  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean -0.097  
Background Signal Std Dev 2.4

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/11/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 061109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/11/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/11/2009

## Processing Information

Processing Date 6/11/2009  
Processed By Mark Saunders  
Completion Date 6/11/2009

## Processing Notes:

Red and Orange Trails

## Survey QC

Internal QC 6/11/2009 Mark Saunders  
Geophysics QC 6/11/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.5  
Mean Separation [ft] 0.22  
Channel Analyzed Background  
Background Signal Mean -0.017  
Background Signal Std Dev 2.47

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/11/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 061109-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/11/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/11/2009

## Processing Information

Processing Date 6/11/2009  
Processed By Mark Saunders  
Completion Date 6/11/2009

## Processing Notes:

Parker Flats Trails 1, 2, 3, and 4

## Survey QC

Internal QC 6/11/2009 Mark Saunders  
Geophysics QC 6/11/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.63  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.1  
Background Signal Std Dev 2.54

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/15/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        061509-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/15/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/15/2009

## Processing Information

Processing Date        6/15/2009  
Processed By           Mark Saunders  
Completion Date        6/15/2009

## Processing Notes:

Parker Flats, Yellow Trails

## Survey QC

Internal QC            6/15/2009    Mark Saunders  
Geophysics QC        6/15/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.62  
Mean Separation [ft]   0.24  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.045  
Background Signal  
Std Dev                 2.5

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/15/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        061509-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/15/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/15/2009

## Processing Information

Processing Date        6/15/2009  
Processed By           Mark Saunders  
Completion Date        6/15/2009

## Processing Notes:

Trails east of Yellow and west of Orange.

## Survey QC

Internal QC            6/15/2009    Mark Saunders  
Geophysics QC        6/15/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.59  
Mean Separation [ft]   0.23  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/18/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Bad File, did not process, deleted.

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 6/18/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 061809-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/18/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/18/2009

## Processing Information

Processing Date 6/18/2009  
Processed By Mark Saunders  
Completion Date 6/18/2009

## Processing Notes:

Parker Flats Trails

## Survey QC

Internal QC 6/18/2009 Mark Saunders  
Geophysics QC 6/18/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.16  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.15  
Background Signal Std Dev 2.31

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/18/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        061809-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/18/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/18/2009

## Processing Information

Processing Date        6/18/2009  
Processed By           Mark Saunders  
Completion Date        6/18/2009

## Processing Notes:

Parker Flats Trails

## Survey QC

Internal QC            6/18/2009    Mark Saunders  
Geophysics QC        6/18/2009    Mark Saunders

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## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.02  
Mean Separation [ft]   0.29  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.26  
Background Signal  
Std Dev                2.41

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/23/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 062309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/23/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/23/2009

## Processing Information

Processing Date 6/23/2009  
Processed By Mark Saunders  
Completion Date 6/23/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC 6/23/2009 Mark Saunders  
Geophysics QC 6/23/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.16  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.41  
Background Signal Std Dev 2.1

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/23/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        062309-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/23/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/23/2009

## Processing Information

Processing Date        6/23/2009  
Processed By           Mark Saunders  
Completion Date        6/23/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC            6/23/2009    Mark Saunders  
Geophysics QC        6/23/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.2  
Mean Separation [ft] 0.32  
Channel Analyzed      Background  
Background Signal  
Mean                   -0.36  
Background Signal  
Std Dev                2.05

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/26/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 062609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 6/26/2009  
Pre-Processed By Mark Saunders  
Completion Date 6/26/2009

## Processing Information

Processing Date 6/26/2009  
Processed By Mark Saunders  
Completion Date 6/26/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC 6/26/2009 Mark Saunders  
Geophysics QC 6/26/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.97  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean -0.44  
Background Signal Std Dev 2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/26/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        062609-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/26/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/26/2009

## Processing Information

Processing Date        6/26/2009  
Processed By           Mark Saunders  
Completion Date        6/26/2009

## Processing Notes:

Parker Flats Trails, Redo

## Survey QC

Internal QC            6/26/2009    Mark Saunders  
Geophysics QC        6/26/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.09  
Mean Separation [ft] 0.31  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.1  
Background Signal  
Std Dev                2.52

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/26/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        062609-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/26/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/26/2009

## Processing Information

Processing Date        6/26/2009  
Processed By           Mark Saunders  
Completion Date        6/26/2009

## Processing Notes:

Surveyable boundaries for Areas 1 and 2.

## Survey QC

Internal QC            6/26/2009    Mark Saunders  
Geophysics QC        6/26/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.52  
Mean Separation [ft] 0.37  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.27  
Background Signal  
Std Dev                2.48

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/29/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        062909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/29/2009

## Processing Information

Processing Date        6/29/2009  
Processed By           Mark Saunders  
Completion Date        6/29/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC            6/29/2009    Mark Saunders  
Geophysics QC        6/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        1.82  
Mean Separation [ft] 0.27  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.31  
Background Signal  
Std Dev                2.23

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 6/29/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        062909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        6/29/2009

## Processing Information

Processing Date        6/29/2009  
Processed By          Mark Saunders  
Completion Date        6/29/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC            6/29/2009    Mark Saunders  
Geophysics QC        6/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        1.63  
Mean Separation [ft] 0.24  
Channel Analyzed     Background  
Background Signal    -0.2  
Mean  
Background Signal    2.32  
Std Dev

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/1/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        070109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/1/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/1/2009

## Processing Information

Processing Date        7/1/2009  
Processed By           Mark Saunders  
Completion Date        7/1/2009

## Processing Notes:

Parker Flats Area 1

## Survey QC

Internal QC            7/1/2009      Mark Saunders  
Geophysics QC        7/1/2009      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         2.16  
Mean Separation [ft]   0.32  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.22  
Background Signal  
Std Dev                 2.14

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/8/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Delete file, did not process.

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/8/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 070809-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/8/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/8/2009

## Processing Information

Processing Date 7/8/2009  
Processed By Mark Saunders  
Completion Date 7/8/2009

## Processing Notes:

Parker Flats Area 2

## Survey QC

Internal QC 7/8/2009 Mark Saunders  
Geophysics QC 7/8/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.64  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.26  
Background Signal Std Dev 2.17

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/9/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        070909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/9/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/9/2009

## Processing Information

Processing Date        7/9/2009  
Processed By            Mark Saunders  
Completion Date        7/9/2009

## Processing Notes:

Parker Flats Area 2

## Survey QC

Internal QC            7/9/2009      Mark Saunders  
Geophysics QC        7/9/2009      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        1.24  
Mean Separation [ft]   0.18  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.11  
Background Signal  
Std Dev                2.33

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/9/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        070909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/9/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/9/2009

## Processing Information

Processing Date        7/9/2009  
Processed By           Mark Saunders  
Completion Date        7/9/2009

## Processing Notes:

Area 1 redo of the pipeline with the Argo.

## Survey QC

Internal QC            7/9/2009      Mark Saunders  
Geophysics QC        7/9/2009      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.37  
Mean Separation [ft] 0.35  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.21  
Background Signal  
Std Dev                2.78

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/9/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 070909-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/9/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/9/2009

## Processing Information

Processing Date 7/9/2009  
Processed By Mark Saunders  
Completion Date 7/9/2009

## Processing Notes:

Area 3

## Survey QC

Internal QC 7/9/2009 Mark Saunders  
Geophysics QC 7/9/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.5  
Mean Separation [ft] 0.22  
Channel Analyzed Background  
Background Signal Mean -0.27  
Background Signal Std Dev 2.04

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/10/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        071009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/10/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/10/2009

## Processing Information

Processing Date        7/10/2009  
Processed By          Mark Saunders  
Completion Date        7/10/2009

## Processing Notes:

Parker Flats Area 2

## Survey QC

Internal QC            7/10/2009    Mark Saunders  
Geophysics QC        7/10/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.45  
Mean Separation [ft]   0.21  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.1  
Background Signal  
Std Dev                 1.82

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 7/10/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

No data associated with file, deleted file, did not process.

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/13/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 071309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/13/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/13/2009

## Processing Information

Processing Date 7/13/2009  
Processed By Mark Saunders  
Completion Date 7/13/2009

## Processing Notes:

Parker Flats Area 2

## Survey QC

Internal QC 7/13/2009 Mark Saunders  
Geophysics QC 7/13/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.35  
Mean Separation [ft] 0.2  
Channel Analyzed Background  
Background Signal Mean -0.062  
Background Signal Std Dev 1.81

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/13/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 071309-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/13/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/13/2009

## Processing Information

Processing Date 7/13/2009  
Processed By Mark Saunders  
Completion Date 7/13/2009

## Processing Notes:

Parker Flats Area 2

## Survey QC

Internal QC 7/13/2009 Mark Saunders  
Geophysics QC 7/13/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.26  
Mean Separation [ft] 0.18  
Channel Analyzed Background  
Background Signal Mean -0.083  
Background Signal Std Dev 1.95

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/13/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        071309-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/13/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/13/2009

## Processing Information

Processing Date        7/13/2009  
Processed By           Mark Saunders  
Completion Date        7/13/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC            7/13/2009    Mark Saunders  
Geophysics QC        7/13/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        1.39  
Mean Separation [ft] 0.2  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.21  
Background Signal  
Std Dev                2.11

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/14/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 071409-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/14/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/14/2009

## Processing Information

Processing Date 7/14/2009  
Processed By Mark Saunders  
Completion Date 7/14/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC 7/14/2009 Mark Saunders  
Geophysics QC 7/14/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.78  
Mean Separation [ft] 0.26  
Channel Analyzed Background  
Background Signal Mean -0.36  
Background Signal Std Dev 2.11

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/16/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 071609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/16/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/16/2009

## Processing Information

Processing Date 7/16/2009  
Processed By Mark Saunders  
Completion Date 7/16/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC 7/16/2009 Mark Saunders  
Geophysics QC 7/16/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.86  
Mean Separation [ft] 0.27  
Channel Analyzed Background  
Background Signal Mean -0.42  
Background Signal Std Dev 2.14

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/16/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        071609-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/16/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/16/2009

## Processing Information

Processing Date        7/16/2009  
Processed By           Mark Saunders  
Completion Date        7/16/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC            7/16/2009    Mark Saunders  
Geophysics QC        7/16/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.1  
Mean Separation [ft] 0.31  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.27  
Background Signal  
Std Dev                2.38

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/21/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        072109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/21/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/21/2009

## Processing Information

Processing Date        7/21/2009  
Processed By           Mark Saunders  
Completion Date        7/21/2009

## Processing Notes:

Parker Flats Area 3.

## Survey QC

Internal QC            7/21/2009    Mark Saunders  
Geophysics QC        7/21/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.58  
Mean Separation [ft]   0.23  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.28  
Background Signal  
Std Dev                 2.35

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 7/21/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072109-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/21/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/21/2009

## Processing Information

Processing Date 7/21/2009  
Processed By Mark Saunders  
Completion Date 7/21/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC 7/21/2009 Mark Saunders  
Geophysics QC 7/21/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.9  
Mean Separation [ft] 0.28  
Channel Analyzed Background  
Background Signal Mean -0.22  
Background Signal Std Dev 2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/22/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        072209-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/22/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/22/2009

## Processing Information

Processing Date        7/22/2009  
Processed By           Mark Saunders  
Completion Date        7/22/2009

## Processing Notes:

Parker Flats Area 3

## Survey QC

Internal QC            7/22/2009    Mark Saunders  
Geophysics QC        7/22/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        1.71  
Mean Separation [ft] 0.25  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.081  
Background Signal  
Std Dev                2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/22/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        072209-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/22/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/22/2009

## Processing Information

Processing Date        7/22/2009  
Processed By           Mark Saunders  
Completion Date        7/22/2009

## Processing Notes:

Parker Flats Area 3.

## Survey QC

Internal QC            7/22/2009    Mark Saunders  
Geophysics QC        7/22/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.67  
Mean Separation [ft]   0.24  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.11  
Background Signal  
Std Dev                 2.22

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/23/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/23/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/23/2009

## Processing Information

Processing Date 7/23/2009  
Processed By Mark Saunders  
Completion Date 7/23/2009

## Processing Notes:

Parker Flats Area 4

## Survey QC

Internal QC 7/23/2009 Mark Saunders  
Geophysics QC 7/23/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.53  
Mean Separation [ft] 0.22  
Channel Analyzed Background  
Background Signal Mean 0.022  
Background Signal Std Dev 2.51

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/24/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072409-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/24/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/24/2009

## Processing Information

Processing Date 7/24/2009  
Processed By Mark Saunders  
Completion Date 7/24/2009

## Processing Notes:

Parker Flats Area 4

## Survey QC

Internal QC 7/24/2009 Mark Saunders  
Geophysics QC 7/24/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.43  
Mean Separation [ft] 0.21  
Channel Analyzed Background  
Background Signal Mean -0.029  
Background Signal Std Dev 2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/27/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072709-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/27/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/27/2009

## Processing Information

Processing Date 7/27/2009  
Processed By Mark Saunders  
Completion Date 7/27/2009

## Processing Notes:

Parker Flats Area 5.

## Survey QC

Internal QC 7/27/2009 Mark Saunders  
Geophysics QC 7/27/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.48  
Mean Separation [ft] 0.22  
Channel Analyzed Background  
Background Signal Mean -0.1  
Background Signal Std Dev 2.38

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/27/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072709-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/27/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/27/2009

## Processing Information

Processing Date 7/27/2009  
Processed By Mark Saunders  
Completion Date 7/27/2009

## Processing Notes:

Parker Flats Area 5

## Survey QC

Internal QC 7/27/2009 Mark Saunders  
Geophysics QC 7/27/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.01  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean -0.057  
Background Signal Std Dev 2.34

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/28/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        072809-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/28/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/28/2009

## Processing Information

Processing Date        7/28/2009  
Processed By           Mark Saunders  
Completion Date        7/28/2009

## Processing Notes:

Parker Flats Area 5.

## Survey QC

Internal QC            7/28/2009    Mark Saunders  
Geophysics QC        7/28/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length        200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]        2.28  
Mean Separation [ft] 0.33  
Channel Analyzed      Background  
Background Signal  
Mean                   -0.15  
Background Signal  
Std Dev                2.28

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 7/28/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072809-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/28/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/28/2009

## Processing Information

Processing Date 7/28/2009  
Processed By Mark Saunders  
Completion Date 7/28/2009

## Processing Notes:

Parker Flats Area 6.

## Survey QC

Internal QC 7/28/2009 Mark Saunders  
Geophysics QC 7/28/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.05  
Mean Separation [ft] 0.3  
Channel Analyzed Background  
Background Signal Mean -0.099  
Background Signal Std Dev 2.43

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/29/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 072909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/29/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/29/2009

## Processing Information

Processing Date 7/29/2009  
Processed By Mark Saunders  
Completion Date 7/29/2009

## Processing Notes:

Parker Flats Area 6

## Survey QC

Internal QC 7/29/2009 Mark Saunders  
Geophysics QC 7/29/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length 200

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.98  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean 0.031  
Background Signal Std Dev 2.42

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/30/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	073009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date	7/30/2009
Pre-Processed By	Mark Saunders
Completion Date	7/30/2009

## Processing Information

Processing Date	7/30/2009
Processed By	Mark Saunders
Completion Date	7/30/2009

## Processing Notes:

QC-2 of the Trails, Trails 1-4, Yellow, and part of Orange.

## Survey QC

Internal QC	7/30/2009	Mark Saunders
Geophysics QC	7/30/2009	Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed	True
Window Length	200

## UX - Drift

Drift Min
Drift Max

## Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

## Latency

Latency AM	0.4
Latency PM	0.4

## Statistics and Data Evaluation

Velocity [mph]	2.49
Mean Separation [ft]	0.37
Channel Analyzed	Background
Background Signal Mean	-0.032
Background Signal Std Dev	2.43

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/31/2009

**Survey File Name:** Survey1A(EM61I-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61I.coil#.xyz  
Geosoft DB Name 073109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/31/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/31/2009

## Processing Information

Processing Date 7/31/2009  
Processed By Mark Saunders  
Completion Date 7/31/2009

## Processing Notes:

Area 6-7

## Survey QC

Internal QC 7/31/2009 Mark Saunders  
Geophysics QC 7/31/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.09  
Mean Separation [ft] 0.31  
Channel Analyzed Background  
Background Signal Mean -0.28  
Background Signal Std Dev 2.4

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/31/2009

**Survey File Name:** Survey2A(EM61I-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61I.coil#.xyz  
Geosoft DB Name 073109-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/31/2009  
Pre-Processed By Mark Saunders  
Completion Date 7/31/2009

## Processing Information

Processing Date 7/31/2009  
Processed By Mark Saunders  
Completion Date 7/31/2009

## Processing Notes:

Trails

## Survey QC

Internal QC 7/31/2009 Mark Saunders  
Geophysics QC 7/31/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 2.5  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.02  
Background Signal Std Dev 2.44

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/31/2009

**Survey File Name:** Survey3A(EM61I-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61I.coil#.xyz  
Geosoft DB Name        073109-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/31/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/31/2009

## Processing Information

Processing Date        7/31/2009  
Processed By           Mark Saunders  
Completion Date        7/31/2009

## Processing Notes:

Trails-Data Not Used

## Survey QC

Internal QC            7/31/2009    Mark Saunders  
Geophysics QC        7/31/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         2.6  
Mean Separation [ft]   0.38  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.08  
Background Signal  
Std Dev                 2.41

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/31/2009

**Survey File Name:** Survey4A(EM61I-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61I.coil#.xyz  
Geosoft DB Name        073109-4TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/31/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/31/2009

## Processing Information

Processing Date        7/31/2009  
Processed By           Mark Saunders  
Completion Date        7/31/2009

## Processing Notes:

Trails

## Survey QC

Internal QC            7/31/2009    Mark Saunders  
Geophysics QC        7/31/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         2.28  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.08  
Background Signal  
Std Dev                 2.45

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/31/2009

**Survey File Name:** Survey5A(EM61I-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61I.coil#.xyz  
Geosoft DB Name        073109-5TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/31/2009  
Pre-Processed By      Mark Saunders  
Completion Date        7/31/2009

## Processing Information

Processing Date        7/31/2009  
Processed By           Mark Saunders  
Completion Date        7/31/2009

## Processing Notes:

Trails

## Survey QC

Internal QC            7/31/2009    Mark Saunders  
Geophysics QC        7/31/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.4  
Latency PM            0.4

## Statistics and Data Evaluation

Velocity [mph]         1.99  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.1  
Background Signal  
Std Dev                 2.29

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/6/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        100609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/6/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/6/2009

## Processing Information

Processing Date        10/6/2009  
Processed By           Mark Saunders  
Completion Date        10/6/2009

## Processing Notes:

Area 1/2 polygons 3,4,5, 21, 28

## Survey QC

Internal QC            10/6/2009    Mark Saunders  
Geophysics QC        10/6/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.78  
Mean Separation [ft]   0.26  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.18  
Background Signal  
Std Dev                 2.12

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/6/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        100609-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/6/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/6/2009

## Processing Information

Processing Date        10/6/2009  
Processed By           Mark Saunders  
Completion Date        10/6/2009

## Processing Notes:

Area 3 Polygon

## Survey QC

Internal QC            10/6/2009    Mark Saunders  
Geophysics QC        10/6/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.92  
Mean Separation [ft]   0.28  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.28  
Background Signal  
Std Dev                 2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/7/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        100709-1TA-1.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/7/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/7/2009

## Processing Information

Processing Date        10/7/2009  
Processed By           Mark Saunders  
Completion Date        10/7/2009

## Processing Notes:

Polygons in Areas 3, 4

## Survey QC

Internal QC            10/7/2009    Mark Saunders  
Geophysics QC        10/7/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.09  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                   -0.16  
Background Signal  
Std Dev                 2.05

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/7/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        100709-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/7/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/7/2009

## Processing Information

Processing Date        10/7/2009  
Processed By           Mark Saunders  
Completion Date        10/7/2009

## Processing Notes:

Polygon 4 Gap

## Survey QC

Internal QC            10/7/2009    Mark Saunders  
Geophysics QC        10/7/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method      Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.73  
Mean Separation [ft]   0.4  
Channel Analyzed       Background  
Background Signal  
Mean                   -0.18  
Background Signal  
Std Dev                2.31

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/7/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 100709-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 10/7/2009  
Pre-Processed By Mark Saunders  
Completion Date 10/7/2009

## Processing Information

Processing Date 10/7/2009  
Processed By Mark Saunders  
Completion Date 10/7/2009

## Processing Notes:

QC-2 of Area 1/2

## Survey QC

Internal QC 10/7/2009 Mark Saunders  
Geophysics QC 10/7/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.39  
Mean Separation [ft] 0.35  
Channel Analyzed Background  
Background Signal Mean -0.32  
Background Signal Std Dev 2.13

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/8/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 100809-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 10/8/2009  
Pre-Processed By Mark Saunders  
Completion Date 10/8/2009

## Processing Information

Processing Date 10/8/2009  
Processed By Mark Saunders  
Completion Date 10/8/2009

## Processing Notes:

Area 7 QC-2

## Survey QC

Internal QC 10/8/2009 Mark Saunders  
Geophysics QC 10/8/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.55  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.083  
Background Signal Std Dev 2.21

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/8/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 100809-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 10/8/2009  
Pre-Processed By Mark Saunders  
Completion Date 10/8/2009

## Processing Information

Processing Date 10/8/2009  
Processed By Mark Saunders  
Completion Date 10/8/2009

## Processing Notes:

Area 5 and 6 QC-2

## Survey QC

Internal QC 10/8/2009 Mark Saunders  
Geophysics QC 10/8/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.34  
Mean Separation [ft] 0.34  
Channel Analyzed Background  
Background Signal Mean -0.018  
Background Signal Std Dev 2.33

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/8/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        100809-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/8/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/8/2009

## Processing Information

Processing Date        10/8/2009  
Processed By           Mark Saunders  
Completion Date        10/8/2009

## Processing Notes:

Area 4 and Area 1/2 QC-2

## Survey QC

Internal QC            10/8/2009    Mark Saunders  
Geophysics QC        10/8/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.34  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.046  
Background Signal  
Std Dev                 2.38

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/8/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        100809-4TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/8/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/8/2009

## Processing Information

Processing Date        10/8/2009  
Processed By           Mark Saunders  
Completion Date        10/8/2009

## Processing Notes:

Polygon gap in Area 1/2

## Survey QC

Internal QC            10/8/2009    Mark Saunders  
Geophysics QC        10/8/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.1  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.15

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/9/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip at the E20c

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/9/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Meandering Path through E20c data

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/9/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test strip, repeat line and latency for the E20c area

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        101409-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/14/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/14/2009

## Processing Information

Processing Date        10/14/2009  
Processed By           Mark Saunders  
Completion Date        10/14/2009

## Processing Notes:

Area 3 QC-2

## Survey QC

Internal QC            10/14/2009    Mark Saunders  
Geophysics QC        10/14/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.5  
Mean Separation [ft]   0.37  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.24  
Background Signal  
Std Dev                 2.02

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*



# Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

**Survey Date:** 10/9/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date  
Pre-Processed By  
Completion Date

## Processing Information

Processing Date  
Processed By  
Completion Date

## Processing Notes:

Test Strip at the E20c

## Survey QC

Internal QC  
Geophysics QC

*Created by:*

## Processing Parameters

Drift Correction            False  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method  
Diurnal Correction        False  
Performed

## Latency

Latency AM  
Latency PM

## Statistics and Data Evaluation

Velocity [mph]  
Mean Separation [ft]  
Channel Analyzed  
Background Signal  
Mean  
Background Signal  
Std Dev

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/9/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Meandering Path through E20c data

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/9/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test strip, repeat line and latency for the E20c area

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction           False  
Performed

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction       False  
Performed

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal  
Mean

Background Signal  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        101409-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/14/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/14/2009

## Processing Information

Processing Date        10/14/2009  
Processed By           Mark Saunders  
Completion Date        10/14/2009

## Processing Notes:

Area 3 QC-2

## Survey QC

Internal QC            10/14/2009    Mark Saunders  
Geophysics QC        10/14/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.5  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.24  
Background Signal  
Std Dev                 2.02

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction            False  
Performed

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction        False  
Performed

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal  
Mean

Background Signal  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/14/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/16/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        101609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/16/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/16/2009

## Processing Information

Processing Date        10/16/2009  
Processed By            Mark Saunders  
Completion Date        10/16/2009

## Processing Notes:

Area E20C

## Survey QC

Internal QC            10/16/2009    Mark Saunders  
Geophysics QC        10/16/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.29  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.35

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/16/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test Strip

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/19/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        101909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/19/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/19/2009

## Processing Information

Processing Date        10/19/2009  
Processed By           Mark Saunders  
Completion Date        10/19/2009

## Processing Notes:

Survey of E20C

## Survey QC

Internal QC            10/19/2009    Mark Saunders  
Geophysics QC        10/19/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.9  
Mean Separation [ft]   0.28  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.051  
Background Signal  
Std Dev                 2.24

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/19/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        101909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/19/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/19/2009

## Processing Information

Processing Date        10/19/2009  
Processed By            Mark Saunders  
Completion Date        10/19/2009

## Processing Notes:

Survey of E20C

## Survey QC

Internal QC            10/19/2009    Mark Saunders  
Geophysics QC        10/19/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        1.6  
Mean Separation [ft]   0.23  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.16  
Background Signal  
Std Dev                1.99

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/20/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/20/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/20/2009

## Processing Information

Processing Date        10/20/2009  
Processed By           Mark Saunders  
Completion Date        10/20/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/20/2009    Mark Saunders  
Geophysics QC        10/20/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.1  
Mean Separation [ft]   0.31  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 2.21

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/20/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102009-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/20/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/20/2009

## Processing Information

Processing Date        10/20/2009  
Processed By           Mark Saunders  
Completion Date        10/20/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/20/2009    Mark Saunders  
Geophysics QC        10/20/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.14  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.035  
Background Signal  
Std Dev                 2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/21/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/21/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/21/2009

## Processing Information

Processing Date        10/21/2009  
Processed By           Mark Saunders  
Completion Date        10/21/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/21/2009    Mark Saunders  
Geophysics QC        10/21/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.74  
Mean Separation [ft]   0.26  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/21/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        102109-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/21/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/21/2009

## Processing Information

Processing Date        10/21/2009  
Processed By           Mark Saunders  
Completion Date        10/21/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/21/2009   Mark Saunders  
Geophysics QC        10/21/2009   Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.97  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                   -0.05  
Background Signal  
Std Dev                 2.31

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/21/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102109-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/21/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/21/2009

## Processing Information

Processing Date        10/21/2009  
Processed By           Mark Saunders  
Completion Date        10/21/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/21/2009    Mark Saunders  
Geophysics QC        10/21/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.042  
Background Signal  
Std Dev                 2.29

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/21/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Repeat line in E20C survey area

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/22/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        102209-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/22/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/22/2009

## Processing Information

Processing Date        10/22/2009  
Processed By           Mark Saunders  
Completion Date        10/22/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/22/2009   Mark Saunders  
Geophysics QC        10/22/2009   Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.97  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                   -0.018  
Background Signal  
Std Dev                2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/22/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102209-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/22/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/22/2009

## Processing Information

Processing Date        10/22/2009  
Processed By           Mark Saunders  
Completion Date        10/22/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/22/2009    Mark Saunders  
Geophysics QC        10/22/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.16  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    0.012  
Background Signal  
Std Dev                 2.37

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/22/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Random survey in E19C

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/23/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/23/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/23/2009

## Processing Information

Processing Date        10/23/2009  
Processed By           Mark Saunders  
Completion Date        10/23/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/23/2009    Mark Saunders  
Geophysics QC        10/23/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.95  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    0.082  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/23/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 102309-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 10/23/2009  
Pre-Processed By Mark Saunders  
Completion Date 10/23/2009

## Processing Information

Processing Date 10/23/2009  
Processed By Mark Saunders  
Completion Date 10/23/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC 10/23/2009 Mark Saunders  
Geophysics QC 10/23/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.07  
Mean Separation [ft] 0.3  
Channel Analyzed Background  
Background Signal Mean 0.093  
Background Signal Std Dev 2.33

Edited by:

# Geo Survey File Processing

**Survey Date:** 10/23/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102309-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/23/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/23/2009

## Processing Information

Processing Date        10/23/2009  
Processed By           Mark Saunders  
Completion Date        10/23/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/23/2009    Mark Saunders  
Geophysics QC        10/23/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.067  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/23/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102309-4TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/23/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/23/2009

## Processing Information

Processing Date        10/23/2009  
Processed By           Mark Saunders  
Completion Date        10/23/2009

## Processing Notes:

E20C survey area

## Survey QC

Internal QC            10/23/2009    Mark Saunders  
Geophysics QC        10/23/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.35  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.06  
Background Signal  
Std Dev                 2.3

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/26/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/26/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/26/2009

## Processing Information

Processing Date        10/26/2009  
Processed By           Mark Saunders  
Completion Date        10/26/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/26/2009    Mark Saunders  
Geophysics QC        10/26/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.21  
Mean Separation [ft] 0.32  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.11  
Background Signal  
Std Dev                2.23

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/26/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102609-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/26/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/26/2009

## Processing Information

Processing Date        10/26/2009  
Processed By           Mark Saunders  
Completion Date        10/26/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/26/2009    Mark Saunders  
Geophysics QC        10/26/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.34  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -16  
Background Signal  
Std Dev                 2.4

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/27/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102709-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/27/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/27/2009

## Processing Information

Processing Date        10/27/2009  
Processed By           Mark Saunders  
Completion Date        10/27/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/27/2009    Mark Saunders  
Geophysics QC        10/27/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.86  
Mean Separation [ft]   0.27  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.087  
Background Signal  
Std Dev                 2.17

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/27/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102709-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/27/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/27/2009

## Processing Information

Processing Date        10/27/2009  
Processed By           Mark Saunders  
Completion Date        10/27/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/27/2009    Mark Saunders  
Geophysics QC        10/27/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.053  
Background Signal  
Std Dev                 2.33

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/28/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102809-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/28/2009  
Pre-Processed By  
Completion Date        10/28/2009

## Processing Information

Processing Date        10/28/2009  
Processed By  
Completion Date        10/28/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/28/2009    Mark Saunders  
Geophysics QC        10/28/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        1.99  
Mean Separation [ft] 0.29  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.085  
Background Signal    1.98  
Std Dev

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/28/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102809-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/28/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/28/2009

## Processing Information

Processing Date        10/28/2009  
Processed By           Mark Saunders  
Completion Date        10/28/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/28/2009    Mark Saunders  
Geophysics QC        10/28/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        1.99  
Mean Separation [ft]   0.29  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.13  
Background Signal  
Std Dev                2.34

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/28/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102809-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/28/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/28/2009

## Processing Information

Processing Date        10/28/2009  
Processed By            Mark Saunders  
Completion Date        10/28/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/28/2009    Mark Saunders  
Geophysics QC        10/28/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.15  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.19  
Background Signal  
Std Dev                 2.38

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/29/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/29/2009

## Processing Information

Processing Date        10/29/2009  
Processed By           Mark Saunders  
Completion Date        10/29/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/29/2009    Mark Saunders  
Geophysics QC        10/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.43  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.23  
Background Signal  
Std Dev                 2.24

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 10/29/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        102909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/29/2009

## Processing Information

Processing Date        10/29/2009  
Processed By           Mark Saunders  
Completion Date        10/29/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/29/2009    Mark Saunders  
Geophysics QC        10/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.22  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.13  
Background Signal  
Std Dev                 2.2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/30/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        103009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/30/2009

## Processing Information

Processing Date        10/30/2009  
Processed By           Mark Saunders  
Completion Date        10/30/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/30/2009    Mark Saunders  
Geophysics QC        10/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.2  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.044  
Background Signal  
Std Dev                 2.11

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/30/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        103009-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    10/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        10/30/2009

## Processing Information

Processing Date        10/30/2009  
Processed By            Mark Saunders  
Completion Date        10/30/2009

## Processing Notes:

Survey Area E20.c

## Survey QC

Internal QC            10/30/2009    Mark Saunders  
Geophysics QC        10/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        1.91  
Mean Separation [ft] 0.28  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.062  
Background Signal  
Std Dev                1.82

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/2/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110209-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/2/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/2/2009

## Processing Information

Processing Date        11/2/2009  
Processed By           Mark Saunders  
Completion Date        11/2/2009

## Processing Notes:

E20c.2 surveys

## Survey QC

Internal QC            11/2/2009    Mark Saunders  
Geophysics QC        11/2/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.23  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.074  
Background Signal  
Std Dev                 2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/3/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110309-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/3/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/3/2009

## Processing Information

Processing Date        11/3/2009  
Processed By           Mark Saunders  
Completion Date        11/3/2009

## Processing Notes:

E20c.2 (for survey file 2)

## Survey QC

Internal QC            11/3/2009    Mark Saunders  
Geophysics QC        11/3/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.36  
Channel Analyzed      Background  
Background Signal  
Mean                    0.035  
Background Signal  
Std Dev                 2.28

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/3/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/3/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/3/2009

## Processing Information

Processing Date        11/3/2009  
Processed By            Mark Saunders  
Completion Date        11/3/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/3/2009    Mark Saunders  
Geophysics QC        11/3/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.08  
Mean Separation [ft]   0.3  
Channel Analyzed       Background  
Background Signal  
Mean                    0.0081  
Background Signal  
Std Dev                 2.35

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/4/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 110409-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/4/2009  
Pre-Processed By Mark Saunders  
Completion Date 11/4/2009

## Processing Information

Processing Date 11/4/2009  
Processed By Mark Saunders  
Completion Date 11/4/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC 11/4/2009 Mark Saunders  
Geophysics QC 11/4/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.41  
Mean Separation [ft] 0.35  
Channel Analyzed Background  
Background Signal Mean 0.016  
Background Signal Std Dev 2.77

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/4/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110409-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/4/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/4/2009

## Processing Information

Processing Date        11/4/2009  
Processed By           Mark Saunders  
Completion Date        11/4/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/4/2009    Mark Saunders  
Geophysics QC        11/4/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.44  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.33

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 11/4/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 110409-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/4/2009  
Pre-Processed By Mark Saunders  
Completion Date 11/4/2009

## Processing Information

Processing Date 11/4/2009  
Processed By Mark Saunders  
Completion Date 11/4/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC 11/4/2009 Mark Saunders  
Geophysics QC 11/4/2009 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.14  
Mean Separation [ft] 0.31  
Channel Analyzed Background  
Background Signal Mean -0.14  
Background Signal Std Dev 2.23

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/5/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110509-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/5/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/5/2009

## Processing Information

Processing Date        11/5/2009  
Processed By           Mark Saunders  
Completion Date        11/5/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/5/2009    Mark Saunders  
Geophysics QC        11/5/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.58  
Mean Separation [ft]   0.38  
Channel Analyzed       Background  
Background Signal  
Mean                    0.023  
Background Signal  
Std Dev                 2.51

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/5/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110509-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/5/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/5/2009

## Processing Information

Processing Date        11/5/2009  
Processed By           Mark Saunders  
Completion Date        11/5/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/5/2009    Mark Saunders  
Geophysics QC        11/5/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.08  
Mean Separation [ft]   0.3  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.13  
Background Signal  
Std Dev                 1.85

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/6/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110609-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/6/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/6/2009

## Processing Information

Processing Date        11/6/2009  
Processed By           Mark Saunders  
Completion Date        11/6/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/6/2009    Mark Saunders  
Geophysics QC        11/6/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.46  
Mean Separation [ft]   0.21  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.13  
Background Signal  
Std Dev                 1.93

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/9/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/9/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/9/2009

## Processing Information

Processing Date        11/9/2009  
Processed By            Mark Saunders  
Completion Date        11/9/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/9/2009    Mark Saunders  
Geophysics QC        11/9/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.33  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.0032  
Background Signal  
Std Dev                 2.47

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/9/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        110909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/9/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/9/2009

## Processing Information

Processing Date        11/9/2009  
Processed By           Mark Saunders  
Completion Date        11/9/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/9/2009    Mark Saunders  
Geophysics QC        11/9/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.032  
Background Signal  
Std Dev                 2.53

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/10/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        111009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/10/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/10/2009

## Processing Information

Processing Date        11/10/2009  
Processed By           Mark Saunders  
Completion Date        11/10/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/10/2009    Mark Saunders  
Geophysics QC        11/10/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.1  
Background Signal  
Std Dev                 2.59

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/10/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        111009-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/10/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/10/2009

## Processing Information

Processing Date        11/10/2009  
Processed By           Mark Saunders  
Completion Date        11/10/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/10/2009    Mark Saunders  
Geophysics QC        11/10/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method      Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.33  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.32  
Background Signal  
Std Dev                 2.43

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 11/10/2009

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 111009-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/10/2009  
Pre-Processed By Mark Saunders  
Completion Date 11/10/2009

## Processing Information

Processing Date 11/10/2009  
Processed By Mark Saunders  
Completion Date 11/10/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC 11/10/2009 Mark Saunders  
Geophysics QC 11/10/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.02  
Mean Separation [ft] 0.3  
Channel Analyzed Background  
Background Signal Mean -0.23  
Background Signal Std Dev 2.57

Edited by:

# Geo Survey File Processing

**Survey Date:** 11/10/2009

**Survey File Name:** Survey4A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Repeat line file, not survey file

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 11/11/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        111109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/11/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/11/2009

## Processing Information

Processing Date        11/11/2009  
Processed By           Mark Saunders  
Completion Date        11/11/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/11/2009    Mark Saunders  
Geophysics QC        11/11/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.03  
Mean Separation [ft]   0.3  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.013  
Background Signal  
Std Dev                 2.68

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/11/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        111109-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/11/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/11/2009

## Processing Information

Processing Date        11/11/2009  
Processed By           Mark Saunders  
Completion Date        11/11/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/11/2009    Mark Saunders  
Geophysics QC        11/11/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.17  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.066  
Background Signal  
Std Dev                 2.49

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/12/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        111209-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/12/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/12/2009

## Processing Information

Processing Date        11/12/2009  
Processed By           Mark Saunders  
Completion Date        11/12/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/12/2009    Mark Saunders  
Geophysics QC        11/12/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.91  
Mean Separation [ft]   0.28  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.11  
Background Signal  
Std Dev                 2.11

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/13/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 111309-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/13/2009  
Pre-Processed By Mark Saunders  
Completion Date 11/13/2009

## Processing Information

Processing Date 11/13/2009  
Processed By Mark Saunders  
Completion Date 11/13/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC 11/13/2009 Mark Saunders  
Geophysics QC 11/13/2009 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.26  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.16  
Background Signal Std Dev 2.39

Edited by:

# Geo Survey File Processing

**Survey Date:** 11/25/2009

**Survey File Name:** 112509-1A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        112509-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/25/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/25/2009

## Processing Information

Processing Date        11/25/2009  
Processed By           Mark Saunders  
Completion Date        11/25/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/25/2009    Mark Saunders  
Geophysics QC        11/25/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.44  
Mean Separation [ft]   0.21  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.054  
Background Signal  
Std Dev                 2.15

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/25/2009

**Survey File Name:** 112509-2A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        112509-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/25/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/25/2009

## Processing Information

Processing Date        11/25/2009  
Processed By           Mark Saunders  
Completion Date        11/25/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/25/2009    Mark Saunders  
Geophysics QC        11/25/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.68  
Mean Separation [ft]   0.25  
Channel Analyzed       Background  
Background Signal  
Mean                    0.017  
Background Signal  
Std Dev                 2.17

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 11/25/2009

**Survey File Name:** 112509-3A(EM61-MK2)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        112509-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/25/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/25/2009

## Processing Information

Processing Date        11/25/2009  
Processed By           Mark Saunders  
Completion Date        11/25/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/25/2009   Mark Saunders  
Geophysics QC        11/25/2009   Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method      Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM             0.3  
Latency PM             0.3

## Statistics and Data Evaluation

Velocity [mph]         1.56  
Mean Separation [ft]   0.23  
Channel Analyzed       Background  
Background Signal  
Mean                   -0.28  
Background Signal  
Std Dev                 1.99

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/25/2009

**Survey File Name:** 112509-4A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        112509-4TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/25/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/25/2009

## Processing Information

Processing Date        11/25/2009  
Processed By           Mark Saunders  
Completion Date        11/25/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/25/2009    Mark Saunders  
Geophysics QC        11/25/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.4  
Mean Separation [ft]   0.21  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.24  
Background Signal  
Std Dev                 2.07

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/30/2009

**Survey File Name:** 113009-1A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        113009-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/30/2009

## Processing Information

Processing Date        11/30/2009  
Processed By           Mark Saunders  
Completion Date        11/30/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/30/2009    Mark Saunders  
Geophysics QC        11/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.96  
Mean Separation [ft]   0.29  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.16  
Background Signal  
Std Dev                 1.93

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/30/2009

**Survey File Name:** 113009-2A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        113009-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/30/2009

## Processing Information

Processing Date        11/30/2009  
Processed By           Mark Saunders  
Completion Date        11/30/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/30/2009    Mark Saunders  
Geophysics QC        11/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.13  
Mean Separation [ft]   0.17  
Channel Analyzed       Background  
Background Signal  
Mean                    0.67  
Background Signal  
Std Dev                 1.79

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/30/2009

**Survey File Name:** 113009-3A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        113009-3SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/30/2009

## Processing Information

Processing Date        11/30/2009  
Processed By          Mark Saunders  
Completion Date        11/30/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/30/2009    Mark Saunders  
Geophysics QC        11/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.24  
Mean Separation [ft]   0.18  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.25  
Background Signal  
Std Dev                 1.83

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/30/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        113009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    11/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        11/30/2009

## Processing Information

Processing Date        11/30/2009  
Processed By            Mark Saunders  
Completion Date        11/30/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            11/30/2009    Mark Saunders  
Geophysics QC        11/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.76  
Mean Separation [ft]   0.26  
Channel Analyzed       Background  
Background Signal  
Mean                    0.061  
Background Signal  
Std Dev                 1.78

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/1/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        120109-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/1/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/1/2009

## Processing Information

Processing Date        12/1/2009  
Processed By           Mark Saunders  
Completion Date        12/1/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            12/1/2009    Mark Saunders  
Geophysics QC        12/1/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.13  
Mean Separation [ft]   0.31  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/8/2009

**Survey File Name:** 120809-1A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        120809-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/8/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/8/2009

## Processing Information

Processing Date        12/8/2009  
Processed By          Matthew Gifford  
Completion Date        12/8/2009

## Processing Notes:

E20c.2 gaps

## Survey QC

Internal QC            12/8/2009    Mark Saunders  
Geophysics QC        12/8/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.1  
Mean Separation [ft]   0.31  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.21  
Background Signal  
Std Dev                 2.15

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 12/8/2009

**Survey File Name:** 120809-2A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        120809-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/8/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/8/2009

## Processing Information

Processing Date        12/8/2009  
Processed By           Mark Saunders  
Completion Date        12/8/2009

## Processing Notes:

E20c.2 gaps

## Survey QC

Internal QC            12/8/2009    Mark Saunders  
Geophysics QC        12/8/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.32  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.13  
Background Signal  
Std Dev                 2.16

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/8/2009

**Survey File Name:** 120809-3A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        120809-3SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/8/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/8/2009

## Processing Information

Processing Date        12/8/2009  
Processed By           Mark Saunders  
Completion Date        12/8/2009

## Processing Notes:

E20c.2 gaps

## Survey QC

Internal QC            12/8/2009    Mark Saunders  
Geophysics QC        12/8/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.88  
Mean Separation [ft]   0.28  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.03

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/10/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        121009-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/10/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/10/2009

## Processing Information

Processing Date        12/10/2009  
Processed By           Mark Saunders  
Completion Date        12/10/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            12/10/2009    Mark Saunders  
Geophysics QC        12/10/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.31  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.061  
Background Signal  
Std Dev                 2.64

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/29/2009

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        122909-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/29/2009

## Processing Information

Processing Date        12/29/2009  
Processed By           Mark Saunders  
Completion Date        12/29/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            12/29/2009    Mark Saunders  
Geophysics QC        12/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.58  
Mean Separation [ft] 0.38  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.064  
Background Signal  
Std Dev                2.7

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/29/2009

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        122909-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/29/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/29/2009

## Processing Information

Processing Date        12/29/2009  
Processed By           Mark Saunders  
Completion Date        12/29/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            12/29/2009    Mark Saunders  
Geophysics QC        12/29/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.31  
Mean Separation [ft]   0.39  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.62

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/30/2009

**Survey File Name:** 123009-1A(EM61-MK2)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        123009-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/30/2009  
Pre-Processed By      Mark Saunders  
Completion Date        12/30/2009

## Processing Information

Processing Date        12/30/2009  
Processed By           Mark Saunders  
Completion Date        12/30/2009

## Processing Notes:

E20c.2

## Survey QC

Internal QC            12/30/2009    Mark Saunders  
Geophysics QC        12/30/2009    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.74  
Mean Separation [ft]   0.26  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.21  
Background Signal  
Std Dev                 2.48

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/11/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 011110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/11/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/11/2010

## Processing Information

Processing Date 1/11/2010  
Processed By Mark Saunders  
Completion Date 1/11/2010

## Processing Notes:

E-18 area

## Survey QC

Internal QC 1/11/2010 Mark Saunders  
Geophysics QC 1/11/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean -0.15  
Background Signal Std Dev 2.19

Edited by:

# Geo Survey File Processing

**Survey Date:** 1/12/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/12/2010  
Pre-Processed By      Matthew Gifford  
Completion Date        1/12/2010

## Processing Information

Processing Date        1/12/2010  
Processed By            Mark Saunders  
Completion Date        1/12/2010

## Processing Notes:

E-18 area

## Survey QC

Internal QC            1/12/2010    Mark Saunders  
Geophysics QC        1/12/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.068  
Background Signal  
Std Dev                 2.15

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 1/12/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/12/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/12/2010

## Processing Information

Processing Date        1/12/2010  
Processed By           Mark Saunders  
Completion Date        1/12/2010

## Processing Notes:

E-18 area

## Survey QC

Internal QC            1/12/2010    Mark Saunders  
Geophysics QC        1/12/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.35  
Channel Analyzed      Background  
Background Signal     0.11  
Mean  
Background Signal     2.51  
Std Dev

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/13/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 011310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/13/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/13/2010

## Processing Information

Processing Date 1/13/2010  
Processed By Mark Saunders  
Completion Date 1/13/2010

## Processing Notes:

E-20 and E-18

## Survey QC

Internal QC 1/13/2010 Mark Saunders  
Geophysics QC 1/13/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.75  
Mean Separation [ft] 0.26  
Channel Analyzed Background  
Background Signal Mean -0.053  
Background Signal Std Dev 2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/14/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 011410-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/14/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/14/2010

## Processing Information

Processing Date 1/14/2010  
Processed By Mark Saunders  
Completion Date 1/14/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/14/2010 Mark Saunders  
Geophysics QC 1/14/2010 Mark Saunders

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## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.24  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean 0.011  
Background Signal Std Dev 2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/14/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011410-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/14/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/14/2010

## Processing Information

Processing Date        1/14/2010  
Processed By           Mark Saunders  
Completion Date        1/14/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/14/2010    Mark Saunders  
Geophysics QC        1/14/2010    Mark Saunders

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## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.41  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.038  
Background Signal  
Std Dev                 2.35

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/18/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/18/2010

## Processing Information

Processing Date        1/18/2010  
Processed By           Mark Saunders  
Completion Date        1/18/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/18/2010    Mark Saunders  
Geophysics QC        1/18/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.022  
Background Signal  
Std Dev                 2.79

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/18/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 011810-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/18/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/18/2010

## Processing Information

Processing Date 1/18/2010  
Processed By Mark Saunders  
Completion Date 1/18/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/18/2010 Mark Saunders  
Geophysics QC 1/18/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.53  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.061  
Background Signal Std Dev 2.22

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/20/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012010-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/20/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/20/2010

## Processing Information

Processing Date        1/20/2010  
Processed By           Mark Saunders  
Completion Date        1/20/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/20/2010    Mark Saunders  
Geophysics QC        1/20/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.38  
Mean Separation [ft]   0.35  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.074  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/22/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/22/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/22/2010

## Processing Information

Processing Date        1/22/2010  
Processed By           Mark Saunders  
Completion Date        1/22/2010

## Processing Notes:

E-20 Fox hole gaps

## Survey QC

Internal QC            1/22/2010    Mark Saunders  
Geophysics QC        1/22/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.28  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.07  
Background Signal  
Std Dev                 2.31

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 1/25/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/25/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/25/2010

## Processing Information

Processing Date        1/25/2010  
Processed By           Mark Saunders  
Completion Date        1/25/2010

## Processing Notes:

e-18 Area

## Survey QC

Internal QC            1/25/2010    Mark Saunders  
Geophysics QC        1/25/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.49  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.085  
Background Signal  
Std Dev                 2.64

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/25/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012510-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/25/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/25/2010

## Processing Information

Processing Date        1/25/2010  
Processed By           Mark Saunders  
Completion Date        1/25/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/25/2010    Mark Saunders  
Geophysics QC        1/25/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.52  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.23  
Background Signal  
Std Dev                 2.52

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/27/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012710-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/27/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/27/2010

## Processing Information

Processing Date        1/27/2010  
Processed By           Mark Saunders  
Completion Date        1/27/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/27/2010    Mark Saunders  
Geophysics QC        1/27/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.31  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.25

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/27/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012710-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/27/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/27/2010

## Processing Information

Processing Date 1/27/2010  
Processed By Mark Saunders  
Completion Date 1/27/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/27/2010 Mark Saunders  
Geophysics QC 1/27/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.39  
Mean Separation [ft] 0.35  
Channel Analyzed Background  
Background Signal Mean -0.2  
Background Signal Std Dev 2.93

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/28/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/28/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/28/2010

## Processing Information

Processing Date        1/28/2010  
Processed By           Mark Saunders  
Completion Date        1/28/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/28/2010    Mark Saunders  
Geophysics QC        1/28/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.85  
Mean Separation [ft]   0.42  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.039  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/28/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012810-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/28/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/28/2010

## Processing Information

Processing Date 1/28/2010  
Processed By Mark Saunders  
Completion Date 1/28/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/28/2010 Mark Saunders  
Geophysics QC 1/28/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.09  
Mean Separation [ft] 0.31  
Channel Analyzed Background  
Background Signal Mean -0.14  
Background Signal Std Dev 1.81

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012910-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/29/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/29/2010

## Processing Information

Processing Date        1/29/2010  
Processed By            Mark Saunders  
Completion Date        1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/29/2010    Mark Saunders  
Geophysics QC        1/29/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.11  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    0.004  
Background Signal  
Std Dev                 2.79

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012910-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/29/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Information

Processing Date 1/29/2010  
Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/29/2010 Mark Saunders  
Geophysics QC 1/29/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.28  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.065  
Background Signal Std Dev 2.68

Edited by:



# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012910-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/29/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Information

Processing Date 1/29/2010  
Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/29/2010 Mark Saunders  
Geophysics QC 1/29/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.27  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.084  
Background Signal Std Dev 2.42

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 020210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/2/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Information

Processing Date 2/2/2010  
Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC 2/2/2010 Mark Saunders  
Geophysics QC 2/2/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.87  
Mean Separation [ft] 0.27  
Channel Analyzed Background  
Background Signal Mean -0.052  
Background Signal Std Dev 2.31

Edited by:

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name         020210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/2/2010

## Processing Information

Processing Date        2/2/2010  
Processed By           Mark Saunders  
Completion Date        2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC            2/2/2010      Mark Saunders  
Geophysics QC        2/2/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.09  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 020210-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/2/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Information

Processing Date 2/2/2010  
Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC 2/2/2010 Mark Saunders  
Geophysics QC 2/2/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.3  
Mean Separation [ft] 0.34  
Channel Analyzed Background  
Background Signal Mean -0.016  
Background Signal Std Dev 2.13

Edited by:

# Geo Survey File Processing

**Survey Date:** 2/3/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/3/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/3/2010

## Processing Information

Processing Date        2/3/2010  
Processed By            Mark Saunders  
Completion Date        2/3/2010

## Processing Notes:

E-20 QC 2

## Survey QC

Internal QC            2/3/2010      Mark Saunders  
Geophysics QC        2/3/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.54  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    0.038  
Background Signal  
Std Dev                 2.34

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/4/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 020410-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/4/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/4/2010

## Processing Information

Processing Date 2/4/2010  
Processed By Mark Saunders  
Completion Date 2/4/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC 2/4/2010 Mark Saunders  
Geophysics QC 2/4/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.17  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.15  
Background Signal Std Dev 2.01

Edited by:

# Geo Survey File Processing

**Survey Date:** 2/5/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name           Export.EM61MII.coil#.xyz  
Geosoft DB Name        020510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/5/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/5/2010

## Processing Information

Processing Date        2/5/2010  
Processed By           Mark Saunders  
Completion Date        2/5/2010

## Processing Notes:

E-20c QC2

## Survey QC

Internal QC            2/5/2010     Mark Saunders  
Geophysics QC        2/5/2010     Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.61  
Mean Separation [ft]   0.38  
Channel Analyzed       Background  
Background Signal  
Mean                    0.022  
Background Signal  
Std Dev                 2.45

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/8/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/8/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/8/2010

## Processing Information

Processing Date        2/8/2010  
Processed By           Mark Saunders  
Completion Date        2/8/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/8/2010      Mark Saunders  
Geophysics QC        2/8/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.87  
Mean Separation [ft]   0.27  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.076  
Background Signal  
Std Dev                 2.11

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 2/10/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021010-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/10/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/10/2010

## Processing Information

Processing Date        2/10/2010  
Processed By            Mark Saunders  
Completion Date        2/10/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/10/2010    Mark Saunders  
Geophysics QC        2/10/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.03  
Mean Separation [ft]   0.3  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.21  
Background Signal  
Std Dev                 2.46

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/10/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021010-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/10/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/10/2010

## Processing Information

Processing Date        2/10/2010  
Processed By           Mark Saunders  
Completion Date        2/10/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/10/2010    Mark Saunders  
Geophysics QC        2/10/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.3  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.19  
Background Signal  
Std Dev                 2.2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/11/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/11/2010

## Processing Information

Processing Date        2/11/2010  
Processed By           Mark Saunders  
Completion Date        2/11/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/11/2010    Mark Saunders  
Geophysics QC        2/11/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.97  
Mean Separation [ft]   0.29  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.084  
Background Signal  
Std Dev                 2.13

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 021110-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/11/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Information

Processing Date 2/11/2010  
Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC 2/11/2010 Mark Saunders  
Geophysics QC 2/11/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.28  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.16  
Background Signal Std Dev 2.07

Edited by:

# Geo Survey File Processing

**Survey Date:** 2/12/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 021210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/12/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Information

Processing Date 2/12/2010  
Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC 2/12/2010 Mark Saunders  
Geophysics QC 2/12/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.65  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.19  
Background Signal Std Dev 2.21

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/12/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 021210-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/12/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Information

Processing Date 2/12/2010  
Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Notes:

E-18 Gaps with Leica

## Survey QC

Internal QC 2/12/2010 Mark Saunders  
Geophysics QC 2/12/2010 Mark Saunders

Created by:

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2  
Mean Separation [ft] 0.29  
Channel Analyzed Background  
Background Signal Mean -0.063  
Background Signal Std Dev 2.07

Edited by:

# Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

**Survey Date:** 1/11/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011110-1TA.gdb

## Processing Parameters

Drift Correction Performed	True
Window Length	

## UX - Drift

Drift Min	
Drift Max	

## Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

## Latency

Latency AM	0.3
Latency PM	0.3

## Pre-Processing Information [xyz]

Pre-Processing Date	1/11/2010
Pre-Processed By	Mark Saunders
Completion Date	1/11/2010

## Processing Information

Processing Date	1/11/2010
Processed By	Mark Saunders
Completion Date	1/11/2010

## Processing Notes:

E-18 area

## Statistics and Data Evaluation

Velocity [mph]	2
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	2.19

## Survey QC

Internal QC	1/11/2010	Mark Saunders
Geophysics QC	1/11/2010	Mark Saunders

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 1/12/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/12/2010  
Pre-Processed By      Matthew Gifford  
Completion Date        1/12/2010

## Processing Information

Processing Date        1/12/2010  
Processed By            Mark Saunders  
Completion Date        1/12/2010

## Processing Notes:

E-18 area

## Survey QC

Internal QC            1/12/2010    Mark Saunders  
Geophysics QC        1/12/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.068  
Background Signal  
Std Dev                 2.15

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 1/12/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/12/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/12/2010

## Processing Information

Processing Date        1/12/2010  
Processed By           Mark Saunders  
Completion Date        1/12/2010

## Processing Notes:

E-18 area

## Survey QC

Internal QC            1/12/2010    Mark Saunders  
Geophysics QC        1/12/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    0.11  
Background Signal  
Std Dev                 2.51

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/13/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/13/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/13/2010

## Processing Information

Processing Date        1/13/2010  
Processed By           Mark Saunders  
Completion Date        1/13/2010

## Processing Notes:

E-20 and E-18

## Survey QC

Internal QC            1/13/2010    Mark Saunders  
Geophysics QC        1/13/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.75  
Mean Separation [ft]   0.26  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.053  
Background Signal  
Std Dev                 2.19

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/14/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011410-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/14/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/14/2010

## Processing Information

Processing Date        1/14/2010  
Processed By           Mark Saunders  
Completion Date        1/14/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/14/2010    Mark Saunders  
Geophysics QC        1/14/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.24  
Mean Separation [ft]   0.33  
Channel Analyzed      Background  
Background Signal  
Mean                    0.011  
Background Signal  
Std Dev                 2.36

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/14/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011410-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/14/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/14/2010

## Processing Information

Processing Date        1/14/2010  
Processed By           Mark Saunders  
Completion Date        1/14/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/14/2010    Mark Saunders  
Geophysics QC        1/14/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.41  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.038  
Background Signal  
Std Dev                 2.35

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/18/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/18/2010

## Processing Information

Processing Date        1/18/2010  
Processed By           Mark Saunders  
Completion Date        1/18/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/18/2010    Mark Saunders  
Geophysics QC        1/18/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.022  
Background Signal  
Std Dev                 2.79

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/18/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        011810-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/18/2010

## Processing Information

Processing Date        1/18/2010  
Processed By           Mark Saunders  
Completion Date        1/18/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/18/2010    Mark Saunders  
Geophysics QC        1/18/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.53  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.061  
Background Signal  
Std Dev                 2.22

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/20/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name         012010-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/20/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/20/2010

## Processing Information

Processing Date        1/20/2010  
Processed By           Mark Saunders  
Completion Date        1/20/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/20/2010    Mark Saunders  
Geophysics QC        1/20/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.38  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.074  
Background Signal  
Std Dev                 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/22/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/22/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/22/2010

## Processing Information

Processing Date        1/22/2010  
Processed By           Mark Saunders  
Completion Date        1/22/2010

## Processing Notes:

E-20 Fox hole gaps

## Survey QC

Internal QC            1/22/2010    Mark Saunders  
Geophysics QC        1/22/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.28  
Mean Separation [ft]   0.33  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.07  
Background Signal  
Std Dev                 2.31

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 1/25/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/25/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/25/2010

## Processing Information

Processing Date        1/25/2010  
Processed By           Mark Saunders  
Completion Date        1/25/2010

## Processing Notes:

e-18 Area

## Survey QC

Internal QC            1/25/2010    Mark Saunders  
Geophysics QC        1/25/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.49  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.085  
Background Signal  
Std Dev                 2.64

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/25/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012510-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/25/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/25/2010

## Processing Information

Processing Date        1/25/2010  
Processed By           Mark Saunders  
Completion Date        1/25/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/25/2010    Mark Saunders  
Geophysics QC        1/25/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.52  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.23  
Background Signal  
Std Dev                 2.52

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/27/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012710-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/27/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/27/2010

## Processing Information

Processing Date        1/27/2010  
Processed By           Mark Saunders  
Completion Date        1/27/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/27/2010    Mark Saunders  
Geophysics QC        1/27/2010    Mark Saunders

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## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.31  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.25

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/27/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012710-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/27/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/27/2010

## Processing Information

Processing Date        1/27/2010  
Processed By           Mark Saunders  
Completion Date        1/27/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/27/2010    Mark Saunders  
Geophysics QC        1/27/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.39  
Mean Separation [ft]   0.35  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.2  
Background Signal  
Std Dev                 2.93

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/28/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/28/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/28/2010

## Processing Information

Processing Date 1/28/2010  
Processed By Mark Saunders  
Completion Date 1/28/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/28/2010 Mark Saunders  
Geophysics QC 1/28/2010 Mark Saunders

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## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.85  
Mean Separation [ft] 0.42  
Channel Analyzed Background  
Background Signal Mean -0.039  
Background Signal Std Dev 2.3

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/28/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012810-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/28/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/28/2010

## Processing Information

Processing Date        1/28/2010  
Processed By           Mark Saunders  
Completion Date        1/28/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/28/2010    Mark Saunders  
Geophysics QC        1/28/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.09  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 1.81

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012910-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/29/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/29/2010

## Processing Information

Processing Date        1/29/2010  
Processed By           Mark Saunders  
Completion Date        1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/29/2010    Mark Saunders  
Geophysics QC        1/29/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.11  
Mean Separation [ft]   0.31  
Channel Analyzed      Background  
Background Signal  
Mean                    0.004  
Background Signal  
Std Dev                 2.79

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 012910-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 1/29/2010  
Pre-Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Information

Processing Date 1/29/2010  
Processed By Mark Saunders  
Completion Date 1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC 1/29/2010 Mark Saunders  
Geophysics QC 1/29/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.28  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.065  
Background Signal Std Dev 2.68

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 1/29/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        012910-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    1/29/2010  
Pre-Processed By      Mark Saunders  
Completion Date        1/29/2010

## Processing Information

Processing Date        1/29/2010  
Processed By           Mark Saunders  
Completion Date        1/29/2010

## Processing Notes:

E-18 Area

## Survey QC

Internal QC            1/29/2010    Mark Saunders  
Geophysics QC        1/29/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.27  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.084  
Background Signal  
Std Dev                 2.42

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/2/2010

## Processing Information

Processing Date        2/2/2010  
Processed By           Mark Saunders  
Completion Date        2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC            2/2/2010      Mark Saunders  
Geophysics QC        2/2/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.87  
Mean Separation [ft]   0.27  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.052  
Background Signal  
Std Dev                 2.31

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/2/2010

## Processing Information

Processing Date        2/2/2010  
Processed By           Mark Saunders  
Completion Date        2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC            2/2/2010      Mark Saunders  
Geophysics QC        2/2/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.09  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/2/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 020210-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/2/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Information

Processing Date 2/2/2010  
Processed By Mark Saunders  
Completion Date 2/2/2010

## Processing Notes:

E-18 gaps

## Survey QC

Internal QC 2/2/2010 Mark Saunders  
Geophysics QC 2/2/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.3  
Mean Separation [ft] 0.34  
Channel Analyzed Background  
Background Signal Mean -0.016  
Background Signal Std Dev 2.13

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/3/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/3/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/3/2010

## Processing Information

Processing Date        2/3/2010  
Processed By           Mark Saunders  
Completion Date        2/3/2010

## Processing Notes:

E-20 QC 2

## Survey QC

Internal QC            2/3/2010      Mark Saunders  
Geophysics QC        2/3/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.54  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    0.038  
Background Signal  
Std Dev                 2.34

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/4/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 020410-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/4/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/4/2010

## Processing Information

Processing Date 2/4/2010  
Processed By Mark Saunders  
Completion Date 2/4/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC 2/4/2010 Mark Saunders  
Geophysics QC 2/4/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.17  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.15  
Background Signal Std Dev 2.01

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/5/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/5/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/5/2010

## Processing Information

Processing Date        2/5/2010  
Processed By           Mark Saunders  
Completion Date        2/5/2010

## Processing Notes:

E-20c QC2

## Survey QC

Internal QC            2/5/2010      Mark Saunders  
Geophysics QC        2/5/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.61  
Mean Separation [ft]   0.38  
Channel Analyzed       Background  
Background Signal  
Mean                    0.022  
Background Signal  
Std Dev                 2.45

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/5/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Corrupt File Do not use recollect

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:



# Geo Survey File Processing

**Survey Date:** 2/8/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        020810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/8/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/8/2010

## Processing Information

Processing Date        2/8/2010  
Processed By          Mark Saunders  
Completion Date        2/8/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/8/2010      Mark Saunders  
Geophysics QC        2/8/2010      Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.87  
Mean Separation [ft]   0.27  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.076  
Background Signal  
Std Dev                 2.11

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/10/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021010-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/10/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/10/2010

## Processing Information

Processing Date        2/10/2010  
Processed By           Mark Saunders  
Completion Date        2/10/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/10/2010    Mark Saunders  
Geophysics QC        2/10/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.03  
Mean Separation [ft]   0.3  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.21  
Background Signal  
Std Dev                 2.46

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/10/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021010-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/10/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/10/2010

## Processing Information

Processing Date        2/10/2010  
Processed By           Mark Saunders  
Completion Date        2/10/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/10/2010    Mark Saunders  
Geophysics QC        2/10/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.3  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.19  
Background Signal  
Std Dev                 2.2

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** 021110-1A(EM61-MK2)

## Associated Files

XYZ File Name 021110\_A.xyz  
Geosoft DB Name 021110-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/11/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Information

Processing Date 2/11/2010  
Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Notes:

E18

## Survey QC

Internal QC 2/11/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.29  
Mean Separation [ft] 0.25  
Channel Analyzed Background  
Background Signal Mean -0.06  
Background Signal Std Dev 2.12

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** 021110-2A(EM61-MK2)

## Associated Files

XYZ File Name 021110\_B.xyz  
Geosoft DB Name 021110-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/11/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Information

Processing Date 2/11/2010  
Processed By Mark Saunders  
Completion Date 2/11/2010

## Processing Notes:

E18

## Survey QC

Internal QC 2/11/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.36  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.34  
Background Signal Std Dev 2.17

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/11/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/11/2010

## Processing Information

Processing Date        2/11/2010  
Processed By           Mark Saunders  
Completion Date        2/11/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/11/2010    Mark Saunders  
Geophysics QC        2/11/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.97  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.084  
Background Signal  
Std Dev                 2.13

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/11/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021110-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/11/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/11/2010

## Processing Information

Processing Date        2/11/2010  
Processed By           Mark Saunders  
Completion Date        2/11/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC            2/11/2010    Mark Saunders  
Geophysics QC        2/11/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.28  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.16  
Background Signal  
Std Dev                 2.07

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/12/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 021210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/12/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Information

Processing Date 2/12/2010  
Processed By Mark Saunders  
Completion Date 2/12/2010

## Processing Notes:

E-18 Gaps

## Survey QC

Internal QC 2/12/2010 Mark Saunders  
Geophysics QC 2/12/2010 Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.65  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.19  
Background Signal Std Dev 2.21

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 2/12/2010

**Survey File Name:** Survey2A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Test File not to be used for Coverage DGM Data

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/12/2010

**Survey File Name:** Survey3A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021210-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/12/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/12/2010

## Processing Information

Processing Date        2/12/2010  
Processed By           Mark Saunders  
Completion Date        2/12/2010

## Processing Notes:

E-18 Gaps with Leica

## Survey QC

Internal QC            2/12/2010    Mark Saunders  
Geophysics QC        2/12/2010    Mark Saunders

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2  
Mean Separation [ft]   0.29  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.063  
Background Signal  
Std Dev                 2.07

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/15/2010

**Survey File Name:** 021510-1A(EM61-MK2)

## Associated Files

XYZ File Name 021510\_A.xyz  
Geosoft DB Name 021510-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 2/15/2010  
Pre-Processed By Mark Saunders  
Completion Date 2/15/2010

## Processing Information

Processing Date 2/15/2010  
Processed By Mark Saunders  
Completion Date 2/15/2010

## Processing Notes:

Parker Flats Treeline

## Survey QC

Internal QC 2/15/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.52  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.09  
Background Signal Std Dev 2.26

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/15/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        021510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/15/2008  
Pre-Processed By      Mark Saunders  
Completion Date        2/15/2010

## Processing Information

Processing Date        2/15/2010  
Processed By           Mark Saunders  
Completion Date        2/15/2010

## Processing Notes:

## Survey QC

Internal QC            2/15/2010    Mark Saunders  
  
Geophysics QC

*Created by:*

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.55  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 2.22

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 2/18/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        021810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    2/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/18/2010

## Processing Information

Processing Date        2/18/2010  
Processed By           Mark Saunders  
Completion Date        2/18/2010

## Processing Notes:

North Parker Flats

## Survey QC

Internal QC            2/18/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.36  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.16  
Background Signal  
Std Dev                 2.3

*Created by:*

*Edited by:*

# Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

**Survey Date:** 2/18/2010

**Survey File Name:** Survey1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        021810-1TA.gdb

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Pre-Processing Information [xyz]

Pre-Processing Date    2/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        2/18/2010

## Processing Information

Processing Date        2/18/2010  
Processed By            Mark Saunders  
Completion Date        2/18/2010

## Processing Notes:

North Parker Flats

## Statistics and Data Evaluation

Velocity [mph]         2.42  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal     -0.16  
Mean  
Background Signal     2.3  
Std Dev

## Survey QC

Internal QC            2/18/2010    Mark Saunders

Geophysics QC

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/5/2010

**Survey File Name:** 030510-1A(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        030510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/5/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/5/2010

## Processing Information

Processing Date        3/5/2010  
Processed By          Mark Saunders  
Completion Date        3/5/2010

## Processing Notes:

QC2 of E19 Area

## Survey QC

Internal QC            3/5/2010      Mark Saunders

Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.5  
Mean Separation [ft] 0.37  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.23  
Background Signal    3.24  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/15/2010

**Survey File Name:** 031510-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        031510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/15/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/15/2010

## Processing Information

Processing Date        3/15/2010  
Processed By           Mark Saunders  
Completion Date        3/15/2010

## Processing Notes:

## Survey QC

Internal QC            3/15/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.43  
Mean Separation [ft]   0.36  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.17  
Background Signal  
Std Dev                 2.27

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 3/16/2010

**Survey File Name:** 031610-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 031610-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 3/16/2010  
Pre-Processed By Mark Saunders  
Completion Date 3/16/2010

## Processing Information

Processing Date 3/16/2010  
Processed By Mark Saunders  
Completion Date 3/16/2010

## Processing Notes:

## Survey QC

Internal QC 3/16/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.2  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.14  
Background Signal Std Dev 2.25

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 3/18/2010

**Survey File Name:** 031810-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        031810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/18/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/18/2010

## Processing Information

Processing Date        3/18/2010  
Processed By           Mark Saunders  
Completion Date        3/18/2010

## Processing Notes:

## Survey QC

Internal QC            3/18/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.51  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.27  
Background Signal  
Std Dev                 2.29

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/19/2010

**Survey File Name:** 031910-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 031910-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 3/19/2010  
Pre-Processed By Mark Saunders  
Completion Date 3/19/2010

## Processing Information

Processing Date 3/19/2010  
Processed By Mark Saunders  
Completion Date 3/19/2010

## Processing Notes:

## Survey QC

Internal QC 3/19/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.47  
Mean Separation [ft] 0.36  
Channel Analyzed Background  
Background Signal Mean -0.23  
Background Signal Std Dev 2.24

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/22/2010

**Survey File Name:** 032210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name         032210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/22/2010  
Pre-Processed By       Mark Saunders  
Completion Date        3/22/2010

## Processing Information

Processing Date         3/22/2010  
Processed By            Mark Saunders  
Completion Date        3/22/2010

## Processing Notes:

## Survey QC

Internal QC            3/22/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM             0.3  
Latency PM             0.3

## Statistics and Data Evaluation

Velocity [mph]           2.27  
Mean Separation [ft]    0.33  
Channel Analyzed        Background  
Background Signal Mean   -0.21  
Background Signal Std Dev   2.34

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/23/2010

**Survey File Name:** 032310-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        032310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/23/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/23/2010

## Processing Information

Processing Date        3/23/2010  
Processed By           Mark Saunders  
Completion Date        3/23/2010

## Processing Notes:

## Survey QC

Internal QC            3/23/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.23  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 2.24

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/24/2010

**Survey File Name:** 032410-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        032410-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/24/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/24/2010

## Processing Information

Processing Date        3/24/2010  
Processed By           Mark Saunders  
Completion Date        3/24/2010

## Processing Notes:

## Survey QC

Internal QC            3/24/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.17  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.07  
Background Signal  
Std Dev                 2.36

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/25/2010

**Survey File Name:** 032510-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name         032510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/25/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/25/2010

## Processing Information

Processing Date        3/25/2010  
Processed By           Mark Saunders  
Completion Date        3/25/2010

## Processing Notes:

## Survey QC

Internal QC            3/25/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.34  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.11  
Background Signal  
Std Dev                 2.35

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/26/2010

**Survey File Name:** 032610-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        032610-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/26/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/26/2010

## Processing Information

Processing Date        3/26/2010  
Processed By           Mark Saunders  
Completion Date        3/26/2010

## Processing Notes:

## Survey QC

Internal QC            3/26/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.23  
Mean Separation [ft] 0.33  
Channel Analyzed     Background  
Background Signal  
Mean                   -0.13  
Background Signal  
Std Dev                2.16

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 3/26/2010

**Survey File Name:** 032610-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        032610-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/26/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/26/2010

## Processing Information

Processing Date        3/26/2010  
Processed By          Mark Saunders  
Completion Date        3/26/2010

## Processing Notes:

## Survey QC

Internal QC            3/26/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.55  
Mean Separation [ft]   0.37  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.08  
Background Signal  
Std Dev                 2.03

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 3/29/2010

**Survey File Name:** 032910-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name         032910-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    3/29/2010  
Pre-Processed By      Mark Saunders  
Completion Date        3/29/2010

## Processing Information

Processing Date        3/29/2010  
Processed By           Mark Saunders  
Completion Date        3/29/2010

## Processing Notes:

## Survey QC

Internal QC            3/29/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.06  
Mean Separation [ft]   0.3  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.03  
Background Signal  
Std Dev                 2.18

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/1/2010

**Survey File Name:** 040110-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        040110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/1/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/1/2010

## Processing Information

Processing Date        4/1/2010  
Processed By           Mark Saunders  
Completion Date        4/1/2010

## Processing Notes:

## Survey QC

Internal QC            4/1/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.18  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.15  
Background Signal  
Std Dev                 2.1

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/2/2010

**Survey File Name:** 040210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        040210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/2/2010

## Processing Information

Processing Date        4/2/2010  
Processed By            Mark Saunders  
Completion Date        4/2/2010

## Processing Notes:

## Survey QC

Internal QC            4/2/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.15  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.08  
Background Signal  
Std Dev                 2.32

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/2/2010

**Survey File Name:** 040210-Sidewalk-TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name         040210-Sidewalk-TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/2/2010

## Processing Information

Processing Date        4/2/2010  
Processed By           Mark Saunders  
Completion Date        4/2/2010

## Processing Notes:

## Survey QC

Internal QC            4/2/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.36  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal     0.37  
Mean  
Background Signal     2.37  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/5/2010

**Survey File Name:** 040510-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 040510-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 4/5/2010  
Pre-Processed By Mark Saunders  
Completion Date 4/5/2010

## Processing Information

Processing Date 4/5/2010  
Processed By Mark Saunders  
Completion Date 4/5/2010

## Processing Notes:

## Survey QC

Internal QC 4/5/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.22  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.13  
Background Signal Std Dev 1.99

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/6/2010

**Survey File Name:** 040610-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        040610-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/6/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/6/2010

## Processing Information

Processing Date        4/6/2010  
Processed By           Mark Saunders  
Completion Date        4/6/2010

## Processing Notes:

## Survey QC

Internal QC            4/6/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.21  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.27  
Background Signal  
Std Dev                 2.29

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/12/2010

**Survey File Name:** 041210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 041210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 4/12/2010  
Pre-Processed By Mark Saunders  
Completion Date 4/12/2010

## Processing Information

Processing Date 4/12/2010  
Processed By Mark Saunders  
Completion Date 4/12/2010

## Processing Notes:

## Survey QC

Internal QC 4/12/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.16  
Mean Separation [ft] 0.32  
Channel Analyzed Background  
Background Signal Mean -0.05  
Background Signal Std Dev 2.34

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 4/12/2010

**Survey File Name:** 041210-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        041210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/12/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/12/2010

## Processing Information

Processing Date        4/12/2010  
Processed By           Mark Saunders  
Completion Date        4/12/2010

## Processing Notes:

## Survey QC

Internal QC            4/12/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.24  
Mean Separation [ft]   0.33  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.16  
Background Signal  
Std Dev                 2.2

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/22/2010

**Survey File Name:** 042210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 042210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 4/22/2010  
Pre-Processed By Mark Saunders  
Completion Date 4/22/2010

## Processing Information

Processing Date 4/22/2010  
Processed By Mark Saunders  
Completion Date 4/22/2010

## Processing Notes:

## Survey QC

Internal QC 4/22/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 3.73  
Mean Separation [ft] 0.55  
Channel Analyzed Background  
Background Signal Mean -0.12  
Background Signal Std Dev 1.79

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/22/2010

**Survey File Name:** 042210-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        04/2210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/22/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/22/2010

## Processing Information

Processing Date        4/22/2010  
Processed By           Mark Saunders  
Completion Date        4/22/2010

## Processing Notes:

## Survey QC

Internal QC            4/22/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.18  
Mean Separation [ft]   0.32  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.29  
Background Signal  
Std Dev                 2.12

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/23/2010

**Survey File Name:** 042310-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        042310-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/23/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/23/2010

## Processing Information

Processing Date        4/23/2010  
Processed By           Mark Saunders  
Completion Date        4/23/2010

## Processing Notes:

## Survey QC

Internal QC            4/23/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.31  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.06  
Background Signal  
Std Dev                 2.21

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/26/2010

**Survey File Name:** 042610-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 042610-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 4/26/2010  
Pre-Processed By Mark Saunders  
Completion Date 4/26/2010

## Processing Information

Processing Date 4/26/2010  
Processed By Mark Saunders  
Completion Date 4/26/2010

## Processing Notes:

## Survey QC

Internal QC 4/26/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.46  
Mean Separation [ft] 0.36  
Channel Analyzed Background  
Background Signal Mean 0.03  
Background Signal Std Dev 2.34

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/26/2010

**Survey File Name:** 042610-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        042610-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/26/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/26/2010

## Processing Information

Processing Date        4/26/2010  
Processed By           Mark Saunders  
Completion Date        4/26/2010

## Processing Notes:

## Survey QC

Internal QC            4/26/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.35  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.36  
Background Signal  
Std Dev                 2.14

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/27/2010

**Survey File Name:** 042710-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name         042710-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    4/27/2010  
Pre-Processed By      Mark Saunders  
Completion Date        4/27/2010

## Processing Information

Processing Date        4/27/2010  
Processed By            Mark Saunders  
Completion Date        4/27/2010

## Processing Notes:

## Survey QC

Internal QC            4/27/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM             0.3  
Latency PM             0.3

## Statistics and Data Evaluation

Velocity [mph]         2.32  
Mean Separation [ft]   0.34  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.58  
Background Signal  
Std Dev                 2.2

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 4/28/2010

**Survey File Name:** 042810-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 042810-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 4/28/2010  
Pre-Processed By Mark Saunders  
Completion Date 4/28/2010

## Processing Information

Processing Date 4/28/2010  
Processed By Mark Saunders  
Completion Date 4/28/2010

## Processing Notes:

## Survey QC

Internal QC 4/28/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.4  
Mean Separation [ft] 0.21  
Channel Analyzed Background  
Background Signal Mean -0.56  
Background Signal Std Dev 2.56

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 5/3/2010

**Survey File Name:** 050310-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Do not use this file

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/30/2010

**Survey File Name:** 063010-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        063010-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/30/2010  
Pre-Processed By      Mark Saunders  
Completion Date        6/30/2010

## Processing Information

Processing Date        6/30/2010  
Processed By            Mark Saunders  
Completion Date        6/30/2010

## Processing Notes:

## Survey QC

Internal QC            6/30/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.83  
Mean Separation [ft] 0.41  
Channel Analyzed     Background  
Background Signal    -0.04  
Mean  
Background Signal    2.27  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 6/30/2010

**Survey File Name:** 063010-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        063010-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    6/30/2010  
Pre-Processed By      Mark Saunders  
Completion Date        6/30/2010

## Processing Information

Processing Date        6/30/2010  
Processed By          Mark Saunders  
Completion Date        6/30/2010

## Processing Notes:

## Survey QC

Internal QC            6/30/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.78  
Mean Separation [ft]   0.41  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.11  
Background Signal  
Std Dev                 2.18

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/2/2010

**Survey File Name:** 070210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 070210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/2/2010  
Pre-Processed By Mark Saunders  
Completion Date 7/2/2010

## Processing Information

Processing Date 7/2/2010  
Processed By Mark Saunders  
Completion Date 7/2/2010

## Processing Notes:

## Survey QC

Internal QC 7/2/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.38  
Mean Separation [ft] 0.35  
Channel Analyzed Background  
Background Signal Mean -0.11  
Background Signal Std Dev 2.31

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 7/7/2010

**Survey File Name:** 070710-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name        070710-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/7/2010  
Pre-Processed By      Mark Saunders  
Completion Date        7/7/2010

## Processing Information

Processing Date        7/7/2010  
Processed By            Mark Saunders  
Completion Date        7/7/2010

## Processing Notes:

## Survey QC

Internal QC            7/7/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        2.25  
Mean Separation [ft] 0.33  
Channel Analyzed     Background  
Background Signal    -0.08  
Mean  
Background Signal    2.33  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/7/2010

**Survey File Name:** 070710-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 070710-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/7/2010  
Pre-Processed By Mark Saunders  
Completion Date 7/7/2010

## Processing Information

Processing Date 7/7/2010  
Processed By Mark Saunders  
Completion Date 7/7/2010

## Processing Notes:

## Survey QC

Internal QC 7/7/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.46  
Mean Separation [ft] 0.36  
Channel Analyzed Background  
Background Signal Mean -0.07  
Background Signal Std Dev 2.26

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/7/2010

**Survey File Name:** 070710-3TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil1.xyz  
Geosoft DB Name 070710-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 7/7/2010  
Pre-Processed By Mark Saunders  
Completion Date 7/7/2010

## Processing Information

Processing Date 7/7/2010  
Processed By Mark Saunders  
Completion Date 7/7/2010

## Processing Notes:

## Survey QC

Internal QC 7/7/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.5  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.41  
Background Signal Std Dev 2.1

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 7/7/2010

**Survey File Name:** 070710-4TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil1.xyz  
Geosoft DB Name         070710-4TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    7/7/2010  
Pre-Processed By       Mark Saunders  
Completion Date        7/7/2010

## Processing Information

Processing Date         7/7/2010  
Processed By            Mark Saunders  
Completion Date        7/7/2010

## Processing Notes:

## Survey QC

Internal QC            7/7/2010       Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM             0.3  
Latency PM             0.3

## Statistics and Data Evaluation

Velocity [mph]         1.74  
Mean Separation [ft]   0.26  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.61  
Background Signal  
Std Dev                 2.57

*Created by:*

*Edited by:*



# Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

**Survey Date:** 9/1/2010

**Survey File Name:** 090110-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
 Geosoft DB Name        090110-1TA.gdb

## Processing Parameters

Drift Correction        True  
 Performed  
 Window Length

## UX - Drift

Drift Min  
 Drift Max

## Statistical Drift Correction

Correction Method     Median  
 Diurnal Correction    False  
 Performed

## Latency

Latency AM             0.3  
 Latency PM            0.3

## Pre-Processing Information [xyz]

Pre-Processing Date    9/1/2010  
 Pre-Processed By     Mark Saunders  
 Completion Date      9/1/2010

## Processing Information

Processing Date        9/1/2010  
 Processed By          Mark Saunders  
 Completion Date      9/1/2010

## Processing Notes:

## Statistics and Data Evaluation

Velocity [mph]           2.25  
 Mean Separation [ft]   0.63  
 Channel Analyzed      Background  
 Background Signal     -0.01  
 Mean  
 Background Signal     2.36  
 Std Dev

## Survey QC

Internal QC            9/1/2010     Mark Saunders

Geophysics QC

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/2/2010

**Survey File Name:** 090210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        090210-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    9/2/2010  
Pre-Processed By      Mark Saunders  
Completion Date        9/2/2010

## Processing Information

Processing Date        9/2/2010  
Processed By           Mark Saunders  
Completion Date        9/2/2010

## Processing Notes:

## Survey QC

Internal QC            9/2/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.21  
Mean Separation [ft]   0.6  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.04  
Background Signal  
Std Dev                 2.27

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/2/2010

**Survey File Name:** 090210-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 090210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 9/2/2010  
Pre-Processed By Mark Saunders  
Completion Date 9/2/2010

## Processing Information

Processing Date 9/2/2010  
Processed By Mark Saunders  
Completion Date 9/2/2010

## Processing Notes:

## Survey QC

Internal QC 9/2/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.04  
Mean Separation [ft] 0.3  
Channel Analyzed Background  
Background Signal Mean -0.06  
Background Signal Std Dev 2.07

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/7/2010

**Survey File Name:** 090710-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

DO Not Use - Data fails quality metrics

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/7/2010

**Survey File Name:** 090710-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 090710-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 9/7/2010  
Pre-Processed By Mark Saunders  
Completion Date 9/7/2010

## Processing Information

Processing Date 9/7/2010  
Processed By Mark Saunders  
Completion Date 9/7/2010

## Processing Notes:

## Survey QC

Internal QC 9/7/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.34  
Mean Separation [ft] 0.62  
Channel Analyzed Background  
Background Signal Mean -0.05  
Background Signal Std Dev 2.28

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/7/2010

**Survey File Name:** 090710-3TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        090710-3TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    9/7/2010  
Pre-Processed By      Mark Saunders  
Completion Date        9/7/2010

## Processing Information

Processing Date        9/7/2010  
Processed By          Mark Saunders  
Completion Date        9/7/2010

## Processing Notes:

## Survey QC

Internal QC            9/7/2010      Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         2.38  
Mean Separation [ft]   0.35  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.14  
Background Signal  
Std Dev                 2.04

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/21/2010

**Survey File Name:** 092110-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 092110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 9/21/2010  
Pre-Processed By Mark Saunders  
Completion Date 9/21/2010

## Processing Information

Processing Date 9/21/2010  
Processed By Mark Saunders  
Completion Date 9/21/2010

## Processing Notes:

## Survey QC

Internal QC 9/21/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.5  
Mean Separation [ft] 0.37  
Channel Analyzed Background  
Background Signal Mean -0.23  
Background Signal Std Dev 1.93

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/22/2010

**Survey File Name:** 092210-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 092210-1TA

## Pre-Processing Information [xyz]

Pre-Processing Date 9/22/2010  
Pre-Processed By Mark Saunders  
Completion Date 9/22/2010

## Processing Information

Processing Date 9/22/2010  
Processed By Mark Saunders  
Completion Date 9/22/2010

## Processing Notes:

Laydown area in Seaside

## Survey QC

Internal QC 9/22/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 2.25  
Mean Separation [ft] 0.33  
Channel Analyzed Background  
Background Signal Mean -0.09  
Background Signal Std Dev 1.96

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 9/22/2010

**Survey File Name:** 092210-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name         092210-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    9/22/2010  
Pre-Processed By       Mark Saunders  
Completion Date        9/22/2010

## Processing Information

Processing Date         9/22/2010  
Processed By            Mark Saunders  
Completion Date        9/22/2010

## Processing Notes:

Parker Flats WA VII Data Gaps

## Survey QC

Internal QC            9/22/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM             0.3  
Latency PM             0.3

## Statistics and Data Evaluation

Velocity [mph]         2.08  
Mean Separation [ft]   0.31  
Channel Analyzed       Background  
Background Signal  
Mean                    -0.08  
Background Signal  
Std Dev                 1.94

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 9/29/2010

**Survey File Name:** 092910-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name Export.EM61MII.coil#.xyz  
Geosoft DB Name 092910-1TA

## Pre-Processing Information [xyz]

Pre-Processing Date 9/29/2010  
Pre-Processed By Mark Saunders  
Completion Date 9/29/2010

## Processing Information

Processing Date 9/29/2010  
Processed By Mark Saunders  
Completion Date 9/29/2010

## Processing Notes:

Seaside Laydown Area Data Gaps

## Survey QC

Internal QC 9/29/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.3  
Latency PM 0.3

## Statistics and Data Evaluation

Velocity [mph] 1.63  
Mean Separation [ft] 0.24  
Channel Analyzed Background  
Background Signal Mean -0.14  
Background Signal Std Dev 1.71

Created by:

Edited by:

# Geo Survey File Processing

**Survey Date:** 9/29/2010

**Survey File Name:** 092910-2TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        092910-2TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    9/29/2010  
Pre-Processed By      Mark Saunders  
Completion Date        9/29/2010

## Processing Information

Processing Date        9/29/2010  
Processed By          Mark Saunders  
Completion Date        9/29/2010

## Processing Notes:

Parker Flats WA VII Data Gaps

## Survey QC

Internal QC            9/29/2010    Mark Saunders

Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
Diurnal Correction    False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]        1.95  
Mean Separation [ft] 0.29  
Channel Analyzed     Background  
Background Signal    -0.06  
Mean  
Background Signal    1.96  
Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 10/27/2010

**Survey File Name:** 102710-1(EM61-MK2)

## Associated Files

XYZ File Name 102710-1.xyz  
Geosoft DB Name 102710-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 10/27/2010  
Pre-Processed By Mark Saunders  
Completion Date 10/27/2010

## Processing Information

Processing Date 10/27/2010  
Processed By Mark Saunders  
Completion Date 10/27/2010

## Processing Notes:

## Survey QC

Internal QC 10/27/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.26  
Mean Separation [ft] 0.19  
Channel Analyzed Background  
Background Signal Mean 0.01  
Background Signal Std Dev 1.02

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/1/2010

**Survey File Name:** 110110-1(EM61-MK2)

## Associated Files

XYZ File Name 110110-1.xyz  
Geosoft DB Name 110110-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/1/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Information

Processing Date 11/1/2010  
Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Notes:

## Survey QC

Internal QC 11/1/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.23  
Mean Separation [ft] 0.18  
Channel Analyzed Background  
Background Signal Mean -0.04  
Background Signal Std Dev 1.3

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/1/2010

**Survey File Name:** 110110-2(EM61-MK2)

## Associated Files

XYZ File Name 110110-2.xyz  
Geosoft DB Name 110110-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/1/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Information

Processing Date 11/1/2010  
Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Notes:

## Survey QC

Internal QC 11/1/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.29  
Mean Separation [ft] 0.19  
Channel Analyzed Background  
Background Signal Mean -0.01  
Background Signal Std Dev 1

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/1/2010

**Survey File Name:** 110110-3(EM61-MK2)

## Associated Files

XYZ File Name 110110-3.xyz  
Geosoft DB Name 110110-3SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/1/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Information

Processing Date 11/1/2010  
Processed By Mark Saunders  
Completion Date 11/1/2010

## Processing Notes:

## Survey QC

Internal QC 11/1/2010 Mark Saunders  
Geophysics QC

*Created by:*

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph]  
Mean Separation [ft]  
Channel Analyzed  
Background Signal Mean  
Background Signal Std Dev

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/3/2010

**Survey File Name:** 110310-1(EM61-MK2)

## Associated Files

XYZ File Name 110310-1.xyz  
Geosoft DB Name 110310-1SU.xyz

## Pre-Processing Information [xyz]

Pre-Processing Date 11/3/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Information

Processing Date 11/3/2010  
Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Notes:

## Survey QC

Internal QC 11/3/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.39  
Mean Separation [ft] 0.41  
Channel Analyzed Background  
Background Signal Mean -0.09  
Background Signal Std Dev 1.08

*Created by:*

*Edited by:*



# Geo Survey File Processing

**Survey Date:** 11/3/2010

**Survey File Name:** 110310-2(EM61-MK2)

## Associated Files

XYZ File Name 110310-2.xyz  
Geosoft DB Name 110310-2SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/3/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Information

Processing Date 11/3/2010  
Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Notes:

## Survey QC

Internal QC 11/3/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.34  
Mean Separation [ft] 0.4  
Channel Analyzed Background  
Background Signal Mean -0.09  
Background Signal Std Dev 1.14

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/3/2010

**Survey File Name:** 110310-3(EM61-MK2)

## Associated Files

XYZ File Name

Geosoft DB Name

## Pre-Processing Information [xyz]

Pre-Processing Date

Pre-Processed By

Completion Date

## Processing Information

Processing Date

Processed By

Completion Date

## Processing Notes:

Do Not Use Data not acceptable

## Survey QC

Internal QC

Geophysics QC

## Processing Parameters

Drift Correction Performed False

Window Length

## UX - Drift

Drift Min

Drift Max

## Statistical Drift Correction

Correction Method

Diurnal Correction Performed False

## Latency

Latency AM

Latency PM

## Statistics and Data Evaluation

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 11/3/2010

**Survey File Name:** 110310-4(EM61-MK2)

## Associated Files

XYZ File Name 110310-4.xyz  
Geosoft DB Name 110310-4SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 11/3/2010  
Pre-Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Information

Processing Date 11/3/2010  
Processed By Mark Saunders  
Completion Date 11/3/2010

## Processing Notes:

## Survey QC

Internal QC 11/3/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.34  
Mean Separation [ft] 0.4  
Channel Analyzed Background  
Background Signal Mean -0.09  
Background Signal Std Dev 1.14

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/21/2010

**Survey File Name:** 122110-1TA(EM61-MK2 Towed Array)

## Associated Files

XYZ File Name            Export.EM61MII.coil#.xyz  
Geosoft DB Name        122110-1TA.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date    12/21/2010  
Pre-Processed By      Mark Saunders  
Completion Date        12/21/2010

## Processing Information

Processing Date        12/21/2010  
Processed By           Mark Saunders  
Completion Date        12/21/2010

## Processing Notes:

## Survey QC

Internal QC            12/21/2010    Mark Saunders  
  
Geophysics QC

## Processing Parameters

Drift Correction        True  
Performed  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method     Median  
  
Diurnal Correction     False  
Performed

## Latency

Latency AM            0.3  
Latency PM            0.3

## Statistics and Data Evaluation

Velocity [mph]         1.87  
Mean Separation [ft]   0.27  
Channel Analyzed      Background  
Background Signal  
Mean                    -0.04  
Background Signal  
Std Dev                 2.21

*Created by:*

*Edited by:*

# Geo Survey File Processing

**Survey Date:** 12/23/2010

**Survey File Name:** 122310-A(EM61-MK2)

## Associated Files

XYZ File Name 122310-1.xyz  
Geosoft DB Name 122310-1SU.gdb

## Pre-Processing Information [xyz]

Pre-Processing Date 12/23/2010  
Pre-Processed By Mark Saunders  
Completion Date 12/23/2010

## Processing Information

Processing Date 12/23/2010  
Processed By Mark Saunders  
Completion Date 12/23/2010

## Processing Notes:

## Survey QC

Internal QC 12/23/2010 Mark Saunders  
Geophysics QC

## Processing Parameters

Drift Correction Performed True  
Window Length

## UX - Drift

Drift Min  
Drift Max

## Statistical Drift Correction

Correction Method Median  
Diurnal Correction Performed False

## Latency

Latency AM 0.4  
Latency PM 0.4

## Statistics and Data Evaluation

Velocity [mph] 1.47  
Mean Separation [ft] 0.21  
Channel Analyzed Background  
Background Signal Mean -0.03  
Background Signal Std Dev 0.9

*Created by:*

*Edited by:*