



Survey Date: 5/14/2008

Survey File Name: 051408-1(EM61-MK2)

Associated Files	
XYZ File Name	051408-1.xyz
Geosoft DB Name	051408-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/14/2008
Pre-Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Information	
Processing Date	5/14/2008
Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Notes:	
SCA W158	

Survey QC	
Internal QC Performed	5/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.3
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.13



Survey Date: 5/14/2008

Survey File Name: 051408-2(EM61-MK2)

Associated Files

XYZ File Name 051408-2.xyz
Geosoft DB Name 051408-2.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/14/2008
Pre-Processed By Mark Saunders
Completion Date 5/14/2008

Processing Information

Processing Date 5/14/2008
Processed By Mark Saunders
Completion Date 5/14/2008

Processing Notes:

Partial SCA W160

Survey QC

Internal QC 5/14/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.73
Mean Separation [ft] 0.26
Channel Analyzed Background
Background Signal Mean -0.11
Background Signal Std Dev 2.09



Survey Date: 5/14/2008

Survey File Name: 051408-3(EM61-MK2)

Associated Files	
XYZ File Name	051408-3.xyz
Geosoft DB Name	051408-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/14/2008
Pre-Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Information	
Processing Date	5/14/2008
Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Notes:	
Partial SCA W159	

Survey QC	
Internal QC Performed	5/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.7
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	0.07
Background Signal Std Dev	1.69



Survey Date: 5/14/2008

Survey File Name: 051408-4(EM61-MK2)

Associated Files	
XYZ File Name	051408-4.xyz
Geosoft DB Name	051408-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/14/2008
Pre-Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Information	
Processing Date	5/14/2008
Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Notes:	
SCA W015 Data will be recollected	

Survey QC
Internal QC Performed
Geophysics QC

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/14/2008

Survey File Name: 051408-5(EM61-MK2)

Associated Files	
XYZ File Name	051408-5.xyz
Geosoft DB Name	051408-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/14/2008
Pre-Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Information	
Processing Date	5/14/2008
Processed By	Mark Saunders
Completion Date	5/14/2008
Processing Notes:	
SCA W166 (redo)	

Survey QC	
Internal QC Performed	5/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.09
Mean Separation [ft]	0.16
Channel Analyzed	Background
Background Signal Mean	0.04
Background Signal Std Dev	1.68



Survey Date: 5/14/2008

Survey File Name: 051408-6(EM61-MK2)

Associated Files

XYZ File Name 051408-6.xyz
Geosoft DB Name 051408-6.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/14/2008
Pre-Processed By Chuck Nycum
Completion Date 5/14/2008

Processing Information

Processing Date 5/14/2008
Processed By Mark Saunders
Completion Date 5/14/2008

Processing Notes:

SCA W114 (redo)

Survey QC

Internal QC 5/14/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.42
Mean Separation [ft] 0.21
Channel Analyzed Background
Background Signal Mean -0.16
Background Signal Std Dev 2.09



Survey Date: 5/21/2008

Survey File Name: 052108-1(EM61-MK2)

Associated Files

XYZ File Name 052108-1.xyz
Geosoft DB Name 052108-1.xyz

Pre-Processing Information [xyz]

Pre-Processing Date 5/21/2008
Pre-Processed By Mark Saunders
Completion Date 5/21/2008

Processing Information

Processing Date 5/21/2008
Processed By Mark Saunders
Completion Date 5/21/2008

Processing Notes:

WOW area under powerline. Applied non linear filter with window length of 1.

Survey QC

Internal QC 5/21/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.3
Latency PM 0.3

Statistics and Data Evaluation

Velocity [mph] 1.44
Mean Separation [ft] 0.22
Channel Analyzed Background
Background Signal Mean -0.13
Background Signal Std Dev 2.67



Survey Date: 5/21/2008

Survey File Name: 052108-2(EM61-MK2)

Associated Files	
XYZ File Name	052108-2.xyz
Geosoft DB Name	052108-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/21/2008
Pre-Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Information	
Processing Date	5/21/2008
Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Notes:	
WOW under powerline. Applied non linear filter with a window of 1.	

Survey QC	
Internal QC Performed	5/21/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation	
Velocity [mph]	1.53
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	2.78



Survey Date: 5/21/2008

Survey File Name: 052108-3(EM61-MK2)

Associated Files	
XYZ File Name	052108-3.xyz
Geosoft DB Name	052108-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/21/2008
Pre-Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Information	
Processing Date	5/21/2008
Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Notes:	
WOW under powerline. Applied non linear filter with a window of 1.	

Survey QC	
Internal QC Performed	5/21/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation	
Velocity [mph]	1.37
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.67



Survey Date: 5/21/2008

Survey File Name: 052108-4(EM61-MK2)

Associated Files	
XYZ File Name	052108-4.xyz
Geosoft DB Name	052108-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/21/2008
Pre-Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Information	
Processing Date	5/21/2008
Processed By	Mark Saunders
Completion Date	5/21/2008
Processing Notes:	
WOW under powerline. Applied non linear filter with a window of 1.	

Survey QC	
Internal QC Performed	5/21/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation	
Velocity [mph]	1.77
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.122
Background Signal Std Dev	2.21



Survey Date: 5/22/2008

Survey File Name: 052208-1(EM61-MK2)

Associated Files	
XYZ File Name	052208-1.xyz
Geosoft DB Name	052208-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/22/2008
Pre-Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Information	
Processing Date	5/22/2008
Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Notes:	
WOW Area. Applied non linear filter with window length of 1	

Survey QC	
Internal QC Performed	5/22/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.13
Mean Separation [ft]	0.17
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.83



Survey Date: 5/22/2008

Survey File Name: 052208-2(EM61-MK2)

Associated Files

XYZ File Name 052208-2.xyz
Geosoft DB Name 052208-2.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/22/2008
Pre-Processed By Mark Saunders
Completion Date 5/22/2008

Processing Information

Processing Date 5/22/2008
Processed By Mark Saunders
Completion Date 5/22/2008

Processing Notes:

WOW area. Applied non linear filter with window length of 1.

Survey QC

Internal QC 5/22/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.05
Mean Separation [ft] 0.16
Channel Analyzed Background
Background Signal Mean -0.02
Background Signal Std Dev 2.8



Survey Date: 5/22/2008

Survey File Name: 052208-3(EM61-MK2)

Associated Files	
XYZ File Name	052208-3.xyz
Geosoft DB Name	052208-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/22/2008
Pre-Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Information	
Processing Date	5/22/2008
Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Notes:	
WOW area. Applied non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	5/22/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.49
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.17
Background Signal Std Dev	2.75



Survey Date: 5/22/2008

Survey File Name: 052208-4(EM61-MK2)

Associated Files	
XYZ File Name	052208-4.xyz
Geosoft DB Name	052208-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/22/2008
Pre-Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Information	
Processing Date	5/22/2008
Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Notes:	
WOW area. Applied non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	5/22/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.3
Mean Separation [ft]	0.198
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.55



Survey Date: 5/22/2008

Survey File Name: 052208-5(EM61-MK2)

Associated Files	
XYZ File Name	052208-5.xyz
Geosoft DB Name	052208-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/22/2008
Pre-Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Information	
Processing Date	5/22/2008
Processed By	Mark Saunders
Completion Date	5/22/2008
Processing Notes:	
WOW area. Applied non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	5/22/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.46
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	0.04
Background Signal Std Dev	2.81



Survey Date: 5/23/2008

Survey File Name: 052308-1(EM61-MK2)

Associated Files	
XYZ File Name	052308-1.xyz
Geosoft DB Name	052308-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/23/2008
Pre-Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Information	
Processing Date	5/23/2008
Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Notes:	
WOW Area Applied non-linear filter with length of 1	

Survey QC	
Internal QC Performed	5/23/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.54
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.136
Background Signal Std Dev	2.68



Survey Date: 5/23/2008

Survey File Name: 052308-2(EM61-MK2)

Associated Files	
XYZ File Name	052308-2.xyz
Geosoft DB Name	052308-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/23/2008
Pre-Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Information	
Processing Date	5/23/2008
Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Notes:	
WOW Area Applied non-linear filter with length of 1	

Survey QC	
Internal QC Performed	5/23/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.33
Mean Separation [ft]	0.212
Channel Analyzed	Background
Background Signal Mean	-0.037
Background Signal Std Dev	2.8



Survey Date: 5/23/2008

Survey File Name: 052308-3(EM61-MK2)

Associated Files

XYZ File Name 052308-3.xyz
Geosoft DB Name 052308-3.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/23/2008
Pre-Processed By Mark Saunders
Completion Date 5/23/2008

Processing Information

Processing Date 5/23/2008
Processed By Mark Saunders
Completion Date 5/23/2008

Processing Notes:

WOW Area Applied non-linear filter with length of 1

Survey QC

Internal QC 5/23/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.16
Mean Separation [ft] 0.17
Channel Analyzed Background
Background Signal Mean 0.17
Background Signal Std Dev 2.78



Survey Date: 5/23/2008

Survey File Name: 052308-4(EM61-MK2)

Associated Files	
XYZ File Name	052308-4.xyz
Geosoft DB Name	052308-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/23/2008
Pre-Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Information	
Processing Date	5/23/2008
Processed By	Mark Saunders
Completion Date	5/23/2008
Processing Notes:	
WOW Area Applied non-linear filter with length of 1	

Survey QC	
Internal QC Performed	5/23/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.51
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	0.023
Background Signal Std Dev	2.58



Survey Date: 5/27/2008

Survey File Name: 052708-1(EM61-MK2)

Associated Files	
XYZ File Name	052708-1.xyz
Geosoft DB Name	052708-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
W145	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.14
Mean Separation [ft]	0.17
Channel Analyzed	Background
Background Signal Mean	0.04
Background Signal Std Dev	1.84



Survey Date: 5/27/2008

Survey File Name: 052708-2(EM61-MK2)

Associated Files	
XYZ File Name	052708-2.xyz
Geosoft DB Name	052708-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 Survey of W018	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	2.26
Mean Separation [ft]	0.34
Channel Analyzed	Background
Background Signal Mean	0.08
Background Signal Std Dev	1.86



Survey Date: 5/27/2008

Survey File Name: 052708-3(EM61-MK2)

Associated Files	
XYZ File Name	052708-3.xyz
Geosoft DB Name	052708-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
W078	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	2.13
Mean Separation [ft]	0.11
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	1.97



Survey Date: 5/27/2008

Survey File Name: 052708-4(EM61-MK2)

Associated Files	
XYZ File Name	052708-4.xyz
Geosoft DB Name	052708-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W090	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.66
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.006
Background Signal Std Dev	1.85



Survey Date: 5/27/2008

Survey File Name: 052708-5(EM61-MK2)

Associated Files	
XYZ File Name	052708-5.xyz
Geosoft DB Name	052708-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W091	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.98
Mean Separation [ft]	0.298
Channel Analyzed	Background
Background Signal Mean	-0.095
Background Signal Std Dev	2.16



Survey Date: 5/27/2008

Survey File Name: 052708-6(EM61-MK2)

Associated Files	
XYZ File Name	052708-6.xyz
Geosoft DB Name	052708-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
W094	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.87
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.001
Background Signal Std Dev	2.25



Survey Date: 5/27/2008

Survey File Name: 052708-7(EM61-MK2)

Associated Files	
XYZ File Name	052708-7.xyz
Geosoft DB Name	052708-7.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W068	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	2.21
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	1.62



Survey Date: 5/27/2008

Survey File Name: 052708-8(EM61-MK2)

Associated Files

XYZ File Name 052708-8.xyz
Geosoft DB Name 052708-8.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/27/2008
Pre-Processed By Mark Saunders
Completion Date 5/27/2008

Processing Information

Processing Date 5/27/2008
Processed By Mark Saunders
Completion Date 5/27/2008

Processing Notes:

QC-2 W160 Partial

Survey QC

Internal QC 5/27/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.17
Mean Separation [ft] 1.41
Channel Analyzed Background
Background Signal Mean -0.23
Background Signal Std Dev 2.18



Survey Date: 5/27/2008

Survey File Name: 052708-9(EM61-MK2)

Associated Files	
XYZ File Name	052708-9.xyz
Geosoft DB Name	052708-9.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W160 Partial	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.59
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	1.99



Survey Date: 5/27/2008

Survey File Name: 052708-10(EM61-MK2)

Associated Files

XYZ File Name 052708-10.xyz
Geosoft DB Name 052708-10.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/27/2008
Pre-Processed By Mark Saunders
Completion Date 5/27/2008

Processing Information

Processing Date 5/27/2008
Processed By Mark Saunders
Completion Date 5/27/2008

Processing Notes:

QC-2 W159

Survey QC

Internal QC 5/27/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.58
Mean Separation [ft] 0.24
Channel Analyzed Background
Background Signal Mean -0.07
Background Signal Std Dev 1.72



Survey Date: 5/27/2008

Survey File Name: 052708-11(EM61-MK2)

Associated Files	
XYZ File Name	052708-11.xyz
Geosoft DB Name	052708-11.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W160 Partial	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.76
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.18



Survey Date: 5/27/2008

Survey File Name: 052708-12(EM61-MK2)

Associated Files

XYZ File Name 052708-12.xyz
Geosoft DB Name 052708-12.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/27/2008
Pre-Processed By Mark Saunders
Completion Date 5/27/2008

Processing Information

Processing Date 5/27/2008
Processed By Mark Saunders
Completion Date 5/27/2008

Processing Notes:

QC-2 W158

Survey QC

Internal QC 5/27/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.59
Mean Separation [ft] 0.24
Channel Analyzed Background
Background Signal Mean -0.08
Background Signal Std Dev 2.21



Survey Date: 5/27/2008

Survey File Name: 052708-13(EM61-MK2)

Associated Files	
XYZ File Name	052708-13.xyz
Geosoft DB Name	052708-13.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W114	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.37
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	2.26



Survey Date: 5/27/2008

Survey File Name: 052708-14(EM61-MK2)

Associated Files	
XYZ File Name	052708-14.xyz
Geosoft DB Name	052808-14.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W166	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.32
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	-0.12
Background Signal Std Dev	1.89



Survey Date: 5/27/2008

Survey File Name: 052708-15(EM61-MK2)

Associated Files	
XYZ File Name	052708-15.xyz
Geosoft DB Name	052708-15.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/27/2008
Pre-Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Information	
Processing Date	5/27/2008
Processed By	Mark Saunders
Completion Date	5/27/2008
Processing Notes:	
QC-2 W110	

Survey QC	
Internal QC Performed	5/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.81
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	0.006
Background Signal Std Dev	2.23



Survey Date: 5/29/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Do Not Use
Geosoft DB Name	Do Not Use

Pre-Processing Information [xyz]	
Pre-Processing Date	5/29/2008
Pre-Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Information	
Processing Date	5/29/2008
Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Notes:	
Do not use Data - will be recollected	

Survey QC	
Internal QC Performed	5/29/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/29/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Do Not Use
Geosoft DB Name	Do Not Use

Pre-Processing Information [xyz]	
Pre-Processing Date	5/29/2008
Pre-Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Information	
Processing Date	5/29/2008
Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Notes:	
Do not use Data - will be recollected	

Survey QC	
Internal QC Performed	5/29/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/29/2008

Survey File Name: Survey3(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	052908-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/29/2008
Pre-Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Information	
Processing Date	5/29/2008
Processed By	Mark Saunders
Completion Date	5/29/2008
Processing Notes:	
W035, W048, W124, W130, W141, W163	

Survey QC	
Internal QC Performed	5/29/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.51
Mean Separation [ft]	0.37
Channel Analyzed	Background
Background Signal Mean	-0.03
Background Signal Std Dev	2.5



Survey Date: 6/2/2008
Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060208-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/2/2008
Pre-Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Information	
Processing Date	6/2/2008
Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Notes:	
W005, W048	

Survey QC	
Internal QC Performed	6/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.04
Background Signal Std Dev	2.3



Survey Date: 6/2/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060208-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/2/2008
Pre-Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Information	
Processing Date	6/2/2008
Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Notes:	
W005, W048	

Survey QC	
Internal QC Performed	6/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.5
Mean Separation [ft]	0.38
Channel Analyzed	Background
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 6/2/2008
Survey File Name: Survey3(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060208-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/2/2008
Pre-Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Information	
Processing Date	6/2/2008
Processed By	Mark Saunders
Completion Date	6/2/2008
Processing Notes:	
W048	

Survey QC	
Internal QC Performed	6/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.48
Mean Separation [ft]	0.36
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	2.68

Geo Survey File Processing



**Westcliffe
Engineers, Inc.**

Survey Date: 6/4/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files

XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060408-1.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/4/2008
Pre-Processed By	Mark Saunders
Completion Date	6/4/2008

Processing Information

Processing Date	6/4/2008
Processed By	Mark Saunders
Completion Date	6/4/2008

Processing Notes:

W048,W113, W143

Survey QC

Internal QC Performed	6/4/2008
Geophysics QC	Mark Saunders

Processing Parameters

Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	

Statistical Drift Correction

Correction Method	Median
Window Length	100
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	-0.08
Background Signal Std Dev	2.36



Survey Date: 6/4/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060408-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/4/2008
Pre-Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Information	
Processing Date	6/4/2008
Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Notes:	
W048	

Survey QC	
Internal QC Performed	6/4/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.015
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.18
Background Signal Std Dev	2.015



Survey Date: 6/4/2008

Survey File Name: Survey3(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060408-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/4/2008
Pre-Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Information	
Processing Date	6/4/2008
Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Notes:	
W055 Partial	

Survey QC	
Internal QC Performed	6/4/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.72
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	1.75



Survey Date: 6/11/2008

Survey File Name: 061108-1(EM61-MK2)

Associated Files	
XYZ File Name	061108-1.xyz
Geosoft DB Name	061108-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Notes:	
W039	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.39
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.1



Survey Date: 6/11/2008

Survey File Name: 061108-2(EM61-MK2)

Associated Files	
XYZ File Name	061108-2.xyz
Geosoft DB Name	061108-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Notes:	
SCA W162	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation	
Velocity [mph]	1.81
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.55



Survey Date: 6/11/2008

Survey File Name: 061108-3(EM61-MK2)

Associated Files	
XYZ File Name	061108-3.xyz
Geosoft DB Name	061108-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	
Completion Date	6/11/2008
Processing Notes:	
W041 & W042	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	John Williams

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.63
Mean Separation [ft]	0.244
Channel Analyzed	Background
Background Signal Mean	-0.104
Background Signal Std Dev	2.69



Survey Date: 6/11/2008

Survey File Name: 061108-4(EM61-MK2)

Associated Files	
XYZ File Name	061108-4.xyz
Geosoft DB Name	061108-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Notes:	
W126	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.67
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.002
Background Signal Std Dev	2.73



Survey Date: 6/11/2008

Survey File Name: 061108-5(EM61-MK2)

Associated Files	
XYZ File Name	061108-5.xyz
Geosoft DB Name	061108-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Notes:	
W127 High Power Transmission Line Use non-linear filter with a length of 1.	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.89
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	2.76



Survey Date: 6/11/2008

Survey File Name: 061108-6(EM61-MK2)

Associated Files	
XYZ File Name	061108-6.xyz
Geosoft DB Name	061108-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/11/2008
Pre-Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Information	
Processing Date	6/11/2008
Processed By	Mark Saunders
Completion Date	6/11/2008
Processing Notes:	
W127	

Survey QC	
Internal QC Performed	6/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.21
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	0.17
Background Signal Std Dev	2.7



Survey Date: 6/12/2008

Survey File Name: 061208-1(EM61-MK2)

Associated Files	
XYZ File Name	061208-1.xyz
Geosoft DB Name	061208-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/12/2008
Pre-Processed By	Mark Saunders
Completion Date	6/12/2008
Processing Information	
Processing Date	6/12/2008
Processed By	Mark Saunders
Completion Date	6/12/2008
Processing Notes:	
SCA W123 high tension tower. Used non-linear filter with window length of 1.	

Survey QC	
Internal QC Performed	6/12/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.02
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.76



Survey Date: 6/12/2008

Survey File Name: 061208-2(EM61-MK2)

Associated Files	
XYZ File Name	061208-2.xyz
Geosoft DB Name	061208-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/12/2008
Pre-Processed By	Mark Saunders
Completion Date	6/12/2008
Processing Information	
Processing Date	6/12/2008
Processed By	Mark Saunders
Completion Date	6/12/2008
Processing Notes:	
SCA W128 High tension tower. Used non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	6/12/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.38
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.01
Background Signal Std Dev	2.65



Survey Date: 6/16/2008

Survey File Name: 061608-1(EM61-MK2)

Associated Files	
XYZ File Name	061608-1.xyz
Geosoft DB Name	061608-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/16/2008
Pre-Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Information	
Processing Date	6/16/2008
Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Notes:	
New MK2A unit test plot 1 proveout	

Survey QC	
Internal QC Performed	6/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.18
Background Signal Std Dev	1.74



Survey Date: 6/16/2008

Survey File Name: 061608-2(EM61-MK2)

Associated Files	
XYZ File Name	Do not use
Geosoft DB Name	Do not use

Pre-Processing Information [xyz]
Pre-Processing Date
Pre-Processed By
Completion Date
Processing Information
Processing Date
Processed By
Completion Date
Processing Notes:
Bad file do not use

Survey QC
Internal QC Performed
Geophysics QC

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 6/16/2008

Survey File Name: 061608-3(EM61-MK2)

Associated Files	
XYZ File Name	061608-3.xyz
Geosoft DB Name	061608-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/16/2008
Pre-Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Information	
Processing Date	6/16/2008
Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Notes:	
QC2 of W145	

Survey QC	
Internal QC Performed	6/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.7
Mean Separation [ft]	0.14
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	0.37



Survey Date: 6/16/2008

Survey File Name: 061608-4(EM61-MK2)

Associated Files	
XYZ File Name	061608-4.xyz
Geosoft DB Name	061608-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/16/2008
Pre-Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Information	
Processing Date	6/16/2008
Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Notes:	
W035	

Survey QC	
Internal QC Performed	6/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.88
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.27
Background Signal Std Dev	2.42



Survey Date: 6/16/2008

Survey File Name: 061608-5(EM61-MK2)

Associated Files	
XYZ File Name	061608-5.xyz
Geosoft DB Name	061608-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/16/2008
Pre-Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Information	
Processing Date	6/16/2008
Processed By	Mark Saunders
Completion Date	6/16/2008
Processing Notes:	
W035	

Survey QC	
Internal QC Performed	6/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.89
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.29
Background Signal Std Dev	2.39



Survey Date: 6/17/2008

Survey File Name: dataset4(G-858 Mag Cart)

Associated Files	
XYZ File Name	dataset4.xyz
Geosoft DB Name	061708-4_G858.gdb

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	True
Latency	
Latency AM	0
Latency PM	0

Pre-Processing Information [xyz]	
Pre-Processing Date	6/17/2008
Pre-Processed By	Mark Saunders
Completion Date	6/17/2008
Processing Information	
Processing Date	6/17/2008
Processed By	Mark Saunders
Completion Date	6/17/2008
Processing Notes:	
WOW	

Statistics and Data Evaluation	
Velocity [mph]	2.11
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	0.25
Background Signal Std Dev	1.14

Survey QC	
Internal QC Performed	6/17/2008
Geophysics QC	Mark Saunders



Survey Date: 6/17/2008

Survey File Name: dataset5(G-858 Mag Cart)

Associated Files	
XYZ File Name	dataset5.xyz
Geosoft DB Name	061708-5_G858.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/17/2008
Pre-Processed By	Mark Saunders
Completion Date	6/17/2008
Processing Information	
Processing Date	6/17/2008
Processed By	Mark Saunders
Completion Date	6/17/2008
Processing Notes:	
WOW	

Survey QC	
Internal QC Performed	6/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	True
Latency	
Latency AM	0
Latency PM	0

Statistics and Data Evaluation	
Velocity [mph]	2.18
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	0.008
Background Signal Std Dev	1.22



Survey Date: 7/2/2008

Survey File Name: 070208-1(EM61-MK2)

Associated Files	
XYZ File Name	070208-1B.xyz
Geosoft DB Name	070208-1B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
SCA_W160 gaps	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.27
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	1.44



Survey Date: 7/2/2008

Survey File Name: 070208-2(EM61-MK2)

Associated Files

XYZ File Name 070208-2B.xyz
Geosoft DB Name 070208-2B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/2/2008
Pre-Processed By Mark Saunders
Completion Date 7/2/2008

Processing Information

Processing Date 7/2/2008
Processed By Mark Saunders
Completion Date 7/2/2008

Processing Notes:

SCA_W043

Survey QC

Internal QC 7/2/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.74
Mean Separation [ft] 0.26
Channel Analyzed Background
Background Signal Mean -0.07
Background Signal Std Dev 1.53



Survey Date: 7/2/2008

Survey File Name: 070208-3(EM61-MK2)

Associated Files	
XYZ File Name	070208-3B.xyz
Geosoft DB Name	070208-3B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
SCA_W045	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	2.23



Survey Date: 7/2/2008

Survey File Name: 070208-4(EM61-MK2)

Associated Files	
XYZ File Name	070208-4B.xyz
Geosoft DB Name	070208-4B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
SCA_W049	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.09
Background Signal Std Dev	2.22



Survey Date: 7/2/2008

Survey File Name: 070208-5(EM61-MK2)

Associated Files	
XYZ File Name	070208-5B.xyz
Geosoft DB Name	070208-5B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
SCA_W013	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.3
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	1.55



Survey Date: 7/2/2008

Survey File Name: 070208-6(EM61-MK2)

Associated Files

XYZ File Name 070208-6B.xyz
Geosoft DB Name 070208-6B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/2/2008
Pre-Processed By Mark Saunders
Completion Date 7/2/2008

Processing Information

Processing Date 7/2/2008
Processed By Mark Saunders
Completion Date 7/2/2008

Processing Notes:

SCA_W002

Survey QC

Internal QC 7/2/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
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 -0.49
Background Signal Std Dev 2.35



Survey Date: 7/2/2008

Survey File Name: 070208-7(EM61-MK2)

Associated Files

XYZ File Name 070208-7B.xyz
Geosoft DB Name 070208-7B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/2/2008
Pre-Processed By Mark Saunders
Completion Date 7/2/2008

Processing Information

Processing Date 7/2/2008
Processed By Mark Saunders
Completion Date 7/2/2008

Processing Notes:

SCA_W055

Survey QC

Internal QC 7/2/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

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 -0.09
Background Signal Std Dev 1.67



Survey Date: 7/2/2008

Survey File Name: 070208-8(EM61-MK2)

Associated Files

XYZ File Name 070208-8B.xyz
Geosoft DB Name 070208-8B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/2/2008
Pre-Processed By Mark Saunders
Completion Date 7/2/2008

Processing Information

Processing Date 7/2/2008
Processed By Mark Saunders
Completion Date 7/2/2008

Processing Notes:

SCA_W066

Survey QC

Internal QC 7/2/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
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 -0.08
Background Signal Std Dev 1.8



Survey Date: 7/2/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070808-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
Towed Array with new sled configuration TP1	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.08
Background Signal Std Dev	2.27



Survey Date: 7/2/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070208-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/2/2008
Pre-Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Information	
Processing Date	7/2/2008
Processed By	Mark Saunders
Completion Date	7/2/2008
Processing Notes:	
W048 Gaps	

Survey QC	
Internal QC Performed	7/2/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.08
Background Signal Std Dev	2.27



Survey Date: 5/13/2008

Survey File Name: 051308-1(EM61-MK2)

Associated Files	
XYZ File Name	051308-1.xyz
Geosoft DB Name	051308-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/13/2008
Pre-Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Information	
Processing Date	5/13/2008
Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Notes:	
Partial survey of SCA W160	

Survey QC		
Internal QC Performed	5/13/2008	John Williams
Geophysics QC	5/22/2008	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.26
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	0.05
Background Signal Std Dev	2.12



Survey Date: 5/13/2008

Survey File Name: 051308-2(EM61-MK2)

Associated Files	
XYZ File Name	051308-2.xyz
Geosoft DB Name	051308-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/13/2008
Pre-Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Information	
Processing Date	5/13/2008
Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Notes:	
SCA W068	

Survey QC	
Internal QC Performed	5/13/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.77
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	1.7



Survey Date: 5/13/2008

Survey File Name: 051308-3(EM61-MK2)

Associated Files	
XYZ File Name	051308-3.xyz
Geosoft DB Name	051308-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/13/2008
Pre-Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Information	
Processing Date	5/13/2008
Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Notes:	
SCA W090	

Survey QC	
Internal QC Performed	5/13/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.18
Mean Separation [ft]	0.18
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	1.67



Survey Date: 5/13/2008

Survey File Name: 051308-4(EM61-MK2)

Associated Files	
XYZ File Name	051308-4.xyz
Geosoft DB Name	051308-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/13/2008
Pre-Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Information	
Processing Date	5/13/2008
Processed By	Mark Saunders
Completion Date	5/13/2008
Processing Notes:	
SCA W091	

Survey QC	
Internal QC Performed	5/13/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.28
Mean Separation [ft]	0.19
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.16



Survey Date: 5/16/2008

Survey File Name: 051608-1(EM61-MK2)

Associated Files	
XYZ File Name	051608-1.xyz
Geosoft DB Name	051608-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/16/2008
Pre-Processed By	Mark Saunders
Completion Date	5/16/2008
Processing Information	
Processing Date	5/16/2008
Processed By	Mark Saunders
Completion Date	5/16/2008
Processing Notes:	
SCA W018	

Survey QC	
Internal QC Performed	5/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.64
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	0.16
Background Signal Std Dev	1.63



Survey Date: 5/16/2008

Survey File Name: 051608-2(EM61-MK2)

Associated Files	
XYZ File Name	051608-2.xyz
Geosoft DB Name	051608-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/16/2008
Pre-Processed By	Mark Saunders
Completion Date	5/16/2008
Processing Information	
Processing Date	5/16/2008
Processed By	Mark Saunders
Completion Date	5/16/2008
Processing Notes:	
Partial SCA W160 Data will not be used	

Survey QC	
Internal QC Performed	5/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/12/2008

Survey File Name: 051208-1(EM61-MK2)

Associated Files	
XYZ File Name	051208-1.xyz
Geosoft DB Name	051208-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/12/2008
Pre-Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Information	
Processing Date	5/12/2008
Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Notes:	
SCA W166 Data Collected will NOT be used	

Survey QC
Internal QC Performed
Geophysics QC

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/12/2008

Survey File Name: 051208-2(EM61-MK2)

Associated Files	
XYZ File Name	051208-2.xyz
Geosoft DB Name	051208-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/12/2008
Pre-Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Information	
Processing Date	5/12/2008
Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Notes:	
SCA W114 Data collected will NOT be used	

Survey QC	
Internal QC	Performed
Geophysics QC	

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/12/2008

Survey File Name: 051208-3(EM61-MK2)

Associated Files	
XYZ File Name	051208-3.xyz
Geosoft DB Name	051208-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/12/2008
Pre-Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Information	
Processing Date	5/12/2008
Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Notes:	
SCA W114 Data Collected will not be used	

Survey QC
Internal QC Performed
Geophysics QC

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/12/2008

Survey File Name: 051208-4(EM61-MK2)

Associated Files	
XYZ File Name	051208-4.xyz
Geosoft DB Name	051208-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/12/2008
Pre-Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Information	
Processing Date	5/12/2008
Processed By	Mark Saunders
Completion Date	5/12/2008
Processing Notes:	
SCA W110	

Survey QC		
Internal QC Performed	5/12/2008	John Williams
Geophysics QC	5/22/2008	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.6
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	2.15



Survey Date: 5/19/2008

Survey File Name: 051908-1(EM61-MK2)

Associated Files	
XYZ File Name	051908-1.xyz
Geosoft DB Name	051908-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/19/2008
Pre-Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Information	
Processing Date	5/19/2008
Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Notes:	
Partial SCA W159 Remaining portion of W159	

Survey QC	
Internal QC Performed	5/19/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	2.04
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	1.92



Survey Date: 5/19/2008

Survey File Name: 051908-2(EM61-MK2)

Associated Files	
XYZ File Name	051908-2.xyz
Geosoft DB Name	051908-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/19/2008
Pre-Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Information	
Processing Date	5/19/2008
Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Notes:	
SCA W015 Redo	

Survey QC	
Internal QC Performed	5/19/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.88
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	1.89



Survey Date: 5/19/2008

Survey File Name: 051908-3(EM61-MK2)

Associated Files	
XYZ File Name	051908-3.xyz
Geosoft DB Name	051908-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/19/2008
Pre-Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Information	
Processing Date	5/19/2008
Processed By	Mark Saunders
Completion Date	5/19/2008
Processing Notes:	
WOW Area near powerlines Applied non-linear filter with window of 1	

Survey QC	
Internal QC Performed	5/19/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.49
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	0.05
Background Signal Std Dev	2.78



Survey Date: 5/20/2008

Survey File Name: 052008-1(EM61-MK2)

Associated Files	
XYZ File Name	052008-1.xyz
Geosoft DB Name	052008-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/20/2008
Pre-Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Information	
Processing Date	5/20/2008
Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Notes:	
SCA W160 Finish	

Survey QC	
Internal QC Performed	5/20/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.17
Background Signal Std Dev	1.98



Survey Date: 5/20/2008

Survey File Name: 052008-2(EM61-MK2)

Associated Files	
XYZ File Name	052008-2.xyz
Geosoft DB Name	052008-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/20/2008
Pre-Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Information	
Processing Date	5/20/2008
Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Notes:	
WOW area under powerline. Applied non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	5/20/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.36
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	0.016
Background Signal Std Dev	2.78



Survey Date: 5/20/2008

Survey File Name: 052008-3(EM61-MK2)

Associated Files	
XYZ File Name	052008-3.xyz
Geosoft DB Name	052008-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/20/2008
Pre-Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Information	
Processing Date	5/20/2008
Processed By	Mark Saunders
Completion Date	5/20/2008
Processing Notes:	
WOW under the powerline. Applied non linear filter with window length of 1.	

Survey QC	
Internal QC Performed	5/20/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.67
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	2.77



Survey Date: 6/3/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060308-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/3/2008
Pre-Processed By	Mark Saunders
Completion Date	6/3/2008
Processing Information	
Processing Date	6/3/2008
Processed By	Mark Saunders
Completion Date	6/3/2008
Processing Notes:	
W045, W046, W048, W049, W080, W142	

Survey QC	
Internal QC Performed	6/3/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.08
Mean Separation [ft]	0.304
Channel Analyzed	Background
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 6/3/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060308-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/3/2008
Pre-Processed By	Mark Saunders
Completion Date	6/3/2008
Processing Information	
Processing Date	6/3/2008
Processed By	Mark Saunders
Completion Date	6/3/2008
Processing Notes:	
W048	

Survey QC	
Internal QC Performed	6/3/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.83
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.61



Survey Date: 6/4/2008

Survey File Name: dataset2(G-858 Mag Cart)

Associated Files	
XYZ File Name	Dataset2.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:	
Matt Gifford GTP2 Survey-Line spacing unacceptable, must recollect	

Survey QC	
Internal QC Performed	
Geophysics QC	

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 6/4/2008

Survey File Name: dataset3(G-858 Mag Cart)

Associated Files	
XYZ File Name	Dataset3.xyz
Geosoft DB Name	060408-3_G858.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/4/2008
Pre-Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Information	
Processing Date	6/4/2008
Processed By	Mark Saunders
Completion Date	6/4/2008
Processing Notes:	
Partial Mag - Paul Novak - WOW	

Survey QC	
Internal QC Performed	6/4/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	True
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	
Background Signal Std Dev	



Survey Date: 6/17/2008

Survey File Name: dataset2(G-858 Mag Cart)

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:

Survey QC

Internal QC
Performed
Geophysics QC

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method
Window Length
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
Background Signal Mean
Background Signal Std Dev



Survey Date: 7/3/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070308-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/4/2008
Pre-Processed By	Mark Saunders
Completion Date	7/3/2008
Processing Information	
Processing Date	7/3/2008
Processed By	Mark Saunders
Completion Date	7/3/2008
Processing Notes:	
W048	

Survey QC	
Internal QC Performed	7/3/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.03
Background Signal Std Dev	2.68



Survey Date: 7/3/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070308-2gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/3/2008
Pre-Processed By	Mark Saunders
Completion Date	7/3/2008
Processing Information	
Processing Date	7/3/2008
Processed By	Mark Saunders
Completion Date	7/3/2008
Processing Notes:	
SCA W039 and W134 QC2	

Survey QC	
Internal QC Performed	7/3/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	0.001
Background Signal Std Dev	1.55



Survey Date: 7/1/2008

Survey File Name: 070108-1(EM61-MK2)

Associated Files	
XYZ File Name	070108-1A.xyz
Geosoft DB Name	070108-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/1/2008
Pre-Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Information	
Processing Date	7/1/2008
Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Notes:	
SCA_W160 Gaps	

Survey QC	
Internal QC Performed	7/1/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.19
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	0
Background Signal Std Dev	0



Survey Date: 7/1/2008

Survey File Name: 070108-2(EM61-MK2)

Associated Files	
XYZ File Name	070108-2A.xyz
Geosoft DB Name	070108-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/1/2008
Pre-Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Information	
Processing Date	7/1/2008
Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Notes:	
SCA_W047	

Survey QC	
Internal QC Performed	7/1/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.83
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	0.002
Background Signal Std Dev	1.87



Survey Date: 7/1/2008

Survey File Name: 070108-3(EM61-MK2)

Associated Files	
XYZ File Name	070108-3A.xyz
Geosoft DB Name	070108-3A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/1/2008
Pre-Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Information	
Processing Date	7/1/2008
Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Notes:	
SCA_W161	

Survey QC	
Internal QC Performed	7/1/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.8
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	1.9



Survey Date: 7/8/2008

Survey File Name: 070808-1(EM61-MK2)

Associated Files	
XYZ File Name	070808-1.xyz
Geosoft DB Name	070808-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
SCA W129 gaps fill-in Non-linear filter with length of 1	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.71
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.52



Survey Date: 7/8/2008

Survey File Name: 070808-2(EM61-MK2)

Associated Files	
XYZ File Name	070808-2.xyz
Geosoft DB Name	070808-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
SCA W142 Gaps	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.76
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	1.08



Survey Date: 7/8/2008

Survey File Name: 070808-3(EM61-MK2)

Associated Files	
XYZ File Name	070808-3.xyz
Geosoft DB Name	070808-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
SCA W035 Data Gaps	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.75
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.46



Survey Date: 7/8/2008

Survey File Name: 070808-4(EM61-MK2)

Associated Files	
XYZ File Name	070808-4.xyz
Geosoft DB Name	070708-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
SCA W035 Gaps	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.66
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.27
Background Signal Std Dev	2.2



Survey Date: 7/8/2008

Survey File Name: 070808-5(EM61-MK2)

Associated Files

XYZ File Name 070808-5.xyz
Geosoft DB Name 070708-5.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/8/2008
Pre-Processed By Mark Saunders
Completion Date 7/8/2008

Processing Information

Processing Date 7/8/2008
Processed By Mark Saunders
Completion Date 7/8/2008

Processing Notes:

SCA W055 Gap

Survey QC

Internal QC 7/8/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.83
Mean Separation [ft] 0.27
Channel Analyzed Background
Background Signal Mean -0.18
Background Signal Std Dev 1.19



Survey Date: 7/8/2008

Survey File Name: 070808-6(EM61-MK2)

Associated Files	
XYZ File Name	070808-6.xyz
Geosoft DB Name	070808-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
SCA W048 Gaps	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.73
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.28



Survey Date: 7/9/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070908-1TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
SCA_W131 Redo Survey	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.13
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.17
Background Signal Std Dev	2.22



Survey Date: 7/9/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070908-2TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
SCA_W048 and W141 QC2	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.25
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	2.5



Survey Date: 7/9/2008

Survey File Name: 070908-1(EM61-MK2)

Associated Files	
XYZ File Name	070908-1.xyz
Geosoft DB Name	070908-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
SCA_W048 Gaps	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.85
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.53



Survey Date: 7/9/2008

Survey File Name: 070908-2(EM61-MK2)

Associated Files	
XYZ File Name	070908-2.xyz
Geosoft DB Name	070908-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
W048 gaps	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.99
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.016
Background Signal Std Dev	2.28



Survey Date: 7/9/2008

Survey File Name: 070908-3(EM61-MK2)

Associated Files	
XYZ File Name	070908-3.xyz
Geosoft DB Name	070908-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
W048 Gaps	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.61
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	0
Background Signal Std Dev	1.72



Survey Date: 7/9/2008

Survey File Name: 070908-4(EM61-MK2)

Associated Files	
XYZ File Name	070908-4.xyz
Geosoft DB Name	070908-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
W048 Gaps	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.2
Background Signal Std Dev	1.96



Survey Date: 7/9/2008

Survey File Name: 070908-5(EM61-MK2)

Associated Files	
XYZ File Name	070908-5.xyz
Geosoft DB Name	070908-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/9/2008
Pre-Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Information	
Processing Date	7/9/2008
Processed By	Mark Saunders
Completion Date	7/9/2008
Processing Notes:	
SCA_W048 Gaps	

Survey QC	
Internal QC Performed	7/9/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2
Mean Separation [ft]	0.299
Channel Analyzed	Background
Background Signal Mean	-0.22
Background Signal Std Dev	2.42



Survey Date: 7/12/2008

Survey File Name: 071208-1(EM61-MK2)

Associated Files	
XYZ File Name	071208-1B.xyz
Geosoft DB Name	071208-1B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/12/2008
Pre-Processed By	Mark Saunders
Completion Date	7/12/2008
Processing Information	
Processing Date	7/12/2008
Processed By	Mark Saunders
Completion Date	7/12/2008
Processing Notes:	
SCA_W048 Gaps	

Survey QC	
Internal QC Performed	7/12/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.81
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.011
Background Signal Std Dev	1.08



Survey Date: 7/13/2008

Survey File Name: 071308-1(EM61-MK2)

Associated Files	
XYZ File Name	071308-1A.xyz
Geosoft DB Name	071308-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/13/2008
Pre-Processed By	Mark Saunders
Completion Date	7/13/2008
Processing Information	
Processing Date	7/13/2008
Processed By	Mark Saunders
Completion Date	7/13/2008
Processing Notes:	
W048 Gaps	

Survey QC	
Internal QC Performed	7/13/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.68
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	2.25



Survey Date: 7/13/2008

Survey File Name: 071308-2(EM61-MK2)

Associated Files	
XYZ File Name	071308-2A.xyz
Geosoft DB Name	071308-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/13/2008
Pre-Processed By	Mark Saunders
Completion Date	7/13/2008
Processing Information	
Processing Date	7/13/2008
Processed By	Mark Saunders
Completion Date	7/13/2008
Processing Notes:	
W048 Gaps	

Survey QC	
Internal QC Performed	7/13/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.53
Mean Separation [ft]	0.197
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.45



Survey Date: 7/16/2008

Survey File Name: 071608-2(EM61-MK2)

Associated Files	
XYZ File Name	071608-2A.xyz
Geosoft DB Name	071608-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W056 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.42
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	0.142
Background Signal Std Dev	1.61



Survey Date: 7/16/2008

Survey File Name: 071608-3(EM61-MK2)

Associated Files	
XYZ File Name	071608-3A.xyz
Geosoft DB Name	071608-3A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W057 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.45
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	1.69



Survey Date: 7/16/2008

Survey File Name: 071608-4(EM61-MK2)

Associated Files	
XYZ File Name	071608-4A.xyz
Geosoft DB Name	071608-4A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W122 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.03
Background Signal Std Dev	1.64



Survey Date: 7/16/2008

Survey File Name: 071608-5(EM61-MK2)

Associated Files	
XYZ File Name	071608-5A.xyz
Geosoft DB Name	071608-5A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W131 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.78
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	1.77



Survey Date: 7/16/2008

Survey File Name: 071608-6(EM61-MK2)

Associated Files	
XYZ File Name	071608-6A.xyz
Geosoft DB Name	071608-6A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W101 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.77
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.12
Background Signal Std Dev	1.57



Survey Date: 7/16/2008

Survey File Name: 071608-7(EM61-MK2)

Associated Files	
XYZ File Name	071608-7A.xyz
Geosoft DB Name	071608-7A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
SCA_W123 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.41
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.01
Background Signal Std Dev	2.68



Survey Date: 7/16/2008

Survey File Name: 071608-8(EM61-MK2)

Associated Files	
XYZ File Name	071608-8A.xyz
Geosoft DB Name	071608-8A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W135 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	0.01
Background Signal Std Dev	0.883



Survey Date: 7/16/2008

Survey File Name: 071608-9(EM61-MK2)

Associated Files	
XYZ File Name	071608-9A.xyz
Geosoft DB Name	071608-9A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W162 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.19
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.37
Background Signal Std Dev	2.69



Survey Date: 7/16/2008

Survey File Name: 071608-10(EM61-MK2)

Associated Files	
XYZ File Name	071608-10A.xyz
Geosoft DB Name	071608-10A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
SCA_W005 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.79
Mean Separation [ft]	0.266
Channel Analyzed	Background
Background Signal Mean	0.005
Background Signal Std Dev	1.47



Survey Date: 7/16/2008

Survey File Name: 071608-11(EM61-MK2)

Associated Files

XYZ File Name 071608-11A.xyz
Geosoft DB Name 071608-11A.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/16/2008
Pre-Processed By Mark Saunders
Completion Date 7/16/2008

Processing Information

Processing Date 7/16/2008
Processed By Mark Saunders
Completion Date 7/16/2008

Processing Notes:

W046 QC2

Survey QC

Internal QC 7/16/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.05
Mean Separation [ft] 31
Channel Analyzed Background
Background Signal Mean 0.006
Background Signal Std Dev 2.43



Survey Date: 5/28/2008

Survey File Name: 052808-1(EM61-MK2)

Associated Files	
XYZ File Name	052808-1.xyz
Geosoft DB Name	052808-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/28/2008
Pre-Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Information	
Processing Date	5/28/2008
Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Notes:	
QC-2 W018	

Survey QC	
Internal QC Performed	5/28/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.78
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	1.92



Survey Date: 5/28/2008

Survey File Name: dataset2(G-858 Mag Cart)

Associated Files	
XYZ File Name	Dataset2.xyz
Geosoft DB Name	052808-2_G858.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/28/2008
Pre-Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Information	
Processing Date	5/28/2008
Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Notes:	
WOW - Mag	

Survey QC	
Internal QC Performed	5/28/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0
Latency PM	0

Statistics and Data Evaluation	
Velocity [mph]	1.33
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/28/2008

Survey File Name: dataset3(G-858 Mag Cart)

Associated Files	
XYZ File Name	Dataset3.xyz
Geosoft DB Name	None

Pre-Processing Information [xyz]	
Pre-Processing Date	5/28/2008
Pre-Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Information	
Processing Date	
Processed By	
Completion Date	
Processing Notes:	
Fld Stats	

Survey QC	
Internal QC Performed	5/28/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/28/2008

Survey File Name: dataset4(G-858 Mag Cart)

Associated Files	
XYZ File Name	Dataset4_Octant.xyz
Geosoft DB Name	0528_Octant.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	5/28/2008
Pre-Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Information	
Processing Date	5/28/2008
Processed By	Mark Saunders
Completion Date	5/28/2008
Processing Notes:	
Octant Test	

Survey QC	
Internal QC Performed	5/28/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 5/30/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files

XYZ File Name Export.EM61MII.EM61Color.xyz
Geosoft DB Name 053008-1.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/30/2008
Pre-Processed By Mark Saunders
Completion Date 5/30/2008

Processing Information

Processing Date 5/30/2008
Processed By Mark Saunders
Completion Date 5/30/2008

Processing Notes:

W048, W163

Survey QC

Internal QC Performed 5/30/2008
Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.49
Mean Separation [ft] 0.36
Channel Analyzed Background
Background Signal Mean -0.03
Background Signal Std Dev 2.34



Survey Date: 5/30/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files

XYZ File Name Export.EM61MII.EM61Color.xyz
Geosoft DB Name 053008-2.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 5/30/2008
Pre-Processed By Mark Saunders
Completion Date 5/30/2008

Processing Information

Processing Date 5/30/2008
Processed By Mark Saunders
Completion Date 5/30/2008

Processing Notes:

W048, W134

Survey QC

Internal QC 5/30/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.42
Mean Separation [ft] 0.36
Channel Analyzed Background
Background Signal Mean -0.07
Background Signal Std Dev 1.7



Survey Date: 6/5/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	060508-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/5/2008
Pre-Processed By	Mark Saunders
Completion Date	6/5/2008
Processing Information	
Processing Date	6/5/2008
Processed By	Mark Saunders
Completion Date	6/5/2008
Processing Notes:	
W047	
W048 (Partial)	
W055	
W160 Roadway	

Survey QC	
Internal QC Performed	6/5/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.74
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	1.89



Survey Date: 6/6/2008

Survey File Name: 060608-1(EM61-MK2)

Associated Files	
XYZ File Name	060608-1.xyz
Geosoft DB Name	060608-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
W110 QC-2 Redo	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.56
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.32



Survey Date: 6/6/2008

Survey File Name: 060608-2(EM61-MK2)

Associated Files	
XYZ File Name	060608-2.xyz
Geosoft DB Name	060608-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
SCA W160 Partial QC2 redo	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.74
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.12
Background Signal Std Dev	2.13



Survey Date: 6/6/2008

Survey File Name: 060608-3(EM61-MK2)

Associated Files	
XYZ File Name	060608-3.xyz
Geosoft DB Name	060608-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
W158 QC2	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.42
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	2.08



Survey Date: 6/6/2008

Survey File Name: 060608-4(EM61-MK2)

Associated Files	
XYZ File Name	060608-4
Geosoft DB Name	060608-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
W114 QC2	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.7
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	2.25



Survey Date: 6/6/2008

Survey File Name: 060608-5(EM61-MK2)

Associated Files	
XYZ File Name	060608-5.xyz
Geosoft DB Name	060608-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
W166 QC2	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.37
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	0.05
Background Signal Std Dev	1.81



Survey Date: 6/6/2008

Survey File Name: 060608-6(EM61-MK2)

Associated Files	
XYZ File Name	060608-6.xyz
Geosoft DB Name	060608-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
W048 Gaps on the hill	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.66
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.01



Survey Date: 6/6/2008

Survey File Name: 060608-7(EM61-MK2)

Associated Files	
XYZ File Name	060608-7.xyz
Geosoft DB Name	060608-7.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/6/2008
Pre-Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Information	
Processing Date	6/6/2008
Processed By	Mark Saunders
Completion Date	6/6/2008
Processing Notes:	
SCA W048 Gap fill-in	

Survey QC	
Internal QC Performed	6/6/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.12
Mean Separation [ft]	0.17
Channel Analyzed	Background
Background Signal Mean	0
Background Signal Std Dev	0



Survey Date: 6/19/2008

Survey File Name: 061908-1(EM61-MK2)

Associated Files	
XYZ File Name	061908-1.xyz
Geosoft DB Name	061908-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/19/2008
Pre-Processed By	Mark Saunders
Completion Date	6/19/2008
Processing Information	
Processing Date	6/19/2008
Processed By	Mark Saunders
Completion Date	6/19/2008
Processing Notes:	
W035	

Survey QC	
Internal QC Performed	6/19/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.76
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.4
Background Signal Std Dev	1.73



Survey Date: 6/19/2008

Survey File Name: 061908-2(EM61-MK2)

Associated Files	
XYZ File Name	061908-2.xyz
Geosoft DB Name	061908-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/19/2008
Pre-Processed By	Mark Saunders
Completion Date	6/19/2008
Processing Information	
Processing Date	6/19/2008
Processed By	Mark Saunders
Completion Date	6/19/2008
Processing Notes:	
W134 - not going to use file gaps between lines too great need to recollect	

Survey QC	
Internal QC Performed	6/19/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	
Mean Separation [ft]	
Channel Analyzed	Background
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 6/20/2008

Survey File Name: 062008-1(EM61-MK2)

Associated Files

XYZ File Name 062008-1.xyz
Geosoft DB Name 062008-1.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 6/20/2008
Pre-Processed By Mark Saunders
Completion Date 6/20/2008

Processing Information

Processing Date 6/20/2008
Processed By Mark Saunders
Completion Date 6/20/2008

Processing Notes:

W129 high tension tower. Applied non linear filter with length of 1.

Survey QC

Internal QC 6/20/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.35
Latency PM 0.35

Statistics and Data Evaluation

Velocity [mph] 1.41
Mean Separation [ft] 0.84
Channel Analyzed Background
Background Signal Mean 0.14
Background Signal Std Dev 2.63



Survey Date: 6/20/2008

Survey File Name: 062008-2(EM61-MK2)

Associated Files	
XYZ File Name	062008-2.xyz
Geosoft DB Name	062008-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/20/2008
Pre-Processed By	Mark Saunders
Completion Date	6/20/2008
Processing Information	
Processing Date	6/20/2008
Processed By	Mark Saunders
Completion Date	6/20/2008
Processing Notes:	
W134 - collected data to see if area needed further scraping activities.	

Survey QC	
Internal QC Performed	6/20/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.74
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	0.034
Background Signal Std Dev	0.86



Survey Date: 7/15/2008

Survey File Name: 071508-1(EM61-MK2)

Associated Files	
XYZ File Name	071508-1A.xyz
Geosoft DB Name	071508-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/15/2008
Pre-Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Information	
Processing Date	7/15/2008
Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Notes:	
W018	

Survey QC	
Internal QC Performed	7/15/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.07
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	1.36



Survey Date: 7/15/2008

Survey File Name: 071508-2(EM61-MK2)

Associated Files	
XYZ File Name	071508-2A.xyz
Geosoft DB Name	071508-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/15/2008
Pre-Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Information	
Processing Date	7/15/2008
Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Notes:	
W160 Redo	

Survey QC	
Internal QC Performed	7/15/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.91
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.11



Survey Date: 7/15/2008

Survey File Name: 071508-3(EM61-MK2)

Associated Files	
XYZ File Name	071508-3A.xyz
Geosoft DB Name	071508-3A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/15/2008
Pre-Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Information	
Processing Date	7/15/2008
Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Notes:	
W087 QC2	

Survey QC	
Internal QC Performed	7/15/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	0.06
Background Signal Std Dev	2.24



Survey Date: 7/15/2008

Survey File Name: 071508-4(EM61-MK2)

Associated Files

XYZ File Name 071508-4A.xyz
Geosoft DB Name 071508-4A.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/15/2008
Pre-Processed By Mark Saunders
Completion Date 7/15/2008

Processing Information

Processing Date 7/15/2008
Processed By Mark Saunders
Completion Date 7/15/2008

Processing Notes:

W003 QC2

Survey QC

Internal QC 7/15/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.92
Mean Separation [ft] 0.3
Channel Analyzed Background
Background Signal Mean 0.006
Background Signal Std Dev 2.61



Survey Date: 7/15/2008

Survey File Name: 071508-5(EM61-MK2)

Associated Files	
XYZ File Name	071508-5A.xyz
Geosoft DB Name	071508-5A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/15/2008
Pre-Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Information	
Processing Date	7/15/2008
Processed By	Mark Saunders
Completion Date	7/15/2008
Processing Notes:	
SCA_W035 QC2	

Survey QC	
Internal QC Performed	7/15/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.99
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	0.017
Background Signal Std Dev	2.33



Survey Date: 7/15/2008

Survey File Name: 071508-6(EM61-MK2)

Associated Files

XYZ File Name 071508-6A.xyz
Geosoft DB Name 071508-6A.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/15/2008
Pre-Processed By Mark Saunders
Completion Date 7/15/2008

Processing Information

Processing Date 7/15/2008
Processed By Mark Saunders
Completion Date 7/15/2008

Processing Notes:

W018 QC2

Survey QC

Internal QC 7/15/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.3
Mean Separation [ft] 0.193
Channel Analyzed Background
Background Signal Mean -0.006
Background Signal Std Dev 0.93



Survey Date: 7/15/2008

Survey File Name: 071508-7(EM61-MK2)

Associated Files

XYZ File Name 071508-7A.xyz
Geosoft DB Name 071508-7A.xyz

Pre-Processing Information [xyz]

Pre-Processing Date 7/15/2008
Pre-Processed By Mark Saunders
Completion Date 7/15/2008

Processing Information

Processing Date 7/15/2008
Processed By Mark Saunders
Completion Date 7/15/2008

Processing Notes:

SCA_W161

Survey QC

Internal QC 7/15/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.08
Mean Separation [ft] 0.16
Channel Analyzed Background
Background Signal Mean -0.01
Background Signal Std Dev 1.34



Survey Date: 7/16/2008

Survey File Name: 071608-1(EM61-MK2)

Associated Files	
XYZ File Name	071608-1A.xyz
Geosoft DB Name	071608-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/16/2008
Pre-Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Information	
Processing Date	7/16/2008
Processed By	Mark Saunders
Completion Date	7/16/2008
Processing Notes:	
W058 QC2	

Survey QC	
Internal QC Performed	7/16/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.12
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	1.52



Survey Date: 6/13/2008

Survey File Name: 061308-1(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:

Survey QC

Internal QC
Performed
Geophysics QC

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method
Window Length
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
Background Signal Mean
Background Signal Std Dev



Survey Date: 7/8/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070808-1TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/8/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/8/2008
Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Notes:	
PinkLine Gaps	

Survey QC	
Internal QC Performed	7/8/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.94
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.002
Background Signal Std Dev	2.66



Survey Date: 7/14/2008

Survey File Name: 071408-1(EM61-MK2)

Associated Files	
XYZ File Name	071408-1.xyz
Geosoft DB Name	071408-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
W163 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.57
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	2.23



Survey Date: 7/14/2008

Survey File Name: 071408-2(EM61-MK2)

Associated Files

XYZ File Name 071408-2.xyz
Geosoft DB Name 071408-2.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/14/2008
Pre-Processed By Mark Saunders
Completion Date 7/14/2008

Processing Information

Processing Date 7/14/2008
Processed By Mark Saunders
Completion Date 7/14/2008

Processing Notes:

QC2 data on W130

Survey QC

Internal QC 7/14/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
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 -0.063
Background Signal Std Dev 1.49



Survey Date: 7/14/2008

Survey File Name: 071408-3(EM61-MK2)

Associated Files	
XYZ File Name	071408-3.xyz
Geosoft DB Name	071408-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
W034 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.43
Mean Separation [ft]	0.212
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.03



Survey Date: 7/14/2008

Survey File Name: 071408-4(EM61-MK2)

Associated Files

XYZ File Name 071408-4.xyz
Geosoft DB Name 071408-4.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/14/2008
Pre-Processed By Mark Saunders
Completion Date 7/14/2008

Processing Information

Processing Date 7/14/2008
Processed By Mark Saunders
Completion Date 7/14/2008

Processing Notes:

SCA_W124 QC2

Survey QC

Internal QC 7/14/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method
Window Length
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.32
Mean Separation [ft] 0.2
Channel Analyzed Background
Background Signal Mean -0.22
Background Signal Std Dev 2.73



Survey Date: 7/14/2008

Survey File Name: 071408-5(EM61-MK2)

Associated Files	
XYZ File Name	071408-5.xyz
Geosoft DB Name	071408-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
W018	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.65
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.21
Background Signal Std Dev	1.14



Survey Date: 7/14/2008

Survey File Name: 071408-6(EM61-MK2)

Associated Files	
XYZ File Name	071408-6.xyz
Geosoft DB Name	071408-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
W120 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.18
Background Signal Std Dev	2



Survey Date: 7/14/2008

Survey File Name: 071408-7(EM61-MK2)

Associated Files	
XYZ File Name	071408-7.xyz
Geosoft DB Name	071408-7.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W119 QC2	

Survey QC	
Internal QC	Performed
Geophysics QC	

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.16
Mean Separation [ft]	0.17
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.05



Survey Date: 7/14/2008

Survey File Name: 071408-8(EM61-MK2)

Associated Files	
XYZ File Name	071408-8.xyz
Geosoft DB Name	071408-8.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W117 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.17
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	1.37



Survey Date: 7/14/2008

Survey File Name: 071408-9(EM61-MK2)

Associated Files	
XYZ File Name	071408-9.xyz
Geosoft DB Name	071408-9.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
QC2 W118	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.11
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.63
Background Signal Std Dev	1.66



Survey Date: 7/14/2008

Survey File Name: 071408-10(EM61-MK2)

Associated Files	
XYZ File Name	071408-10.xyz
Geosoft DB Name	071408-10.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W111	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.25
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	1.75



Survey Date: 7/14/2008

Survey File Name: 071408-11(EM61-MK2)

Associated Files	
XYZ File Name	071408-11.xyz
Geosoft DB Name	071408-11.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
W112 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.13
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	1.56



Survey Date: 7/14/2008

Survey File Name: 071408-12(EM61-MK2)

Associated Files	
XYZ File Name	071408-12.xyz
Geosoft DB Name	071408-12.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W067 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.01
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.52



Survey Date: 7/14/2008

Survey File Name: 071408-13(EM61-MK2)

Associated Files

XYZ File Name 071408-13.xyz
Geosoft DB Name 071408-13.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/14/2008
Pre-Processed By Mark Saunders
Completion Date 7/14/2008

Processing Information

Processing Date 7/14/2008
Processed By Mark Saunders
Completion Date 7/14/2008

Processing Notes:

SCA_W014 QC2

Survey QC

Internal QC 7/14/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.2
Mean Separation [ft] 0.33
Channel Analyzed Background
Background Signal Mean 0.005
Background Signal Std Dev 1.76



Survey Date: 7/14/2008

Survey File Name: 071408-14(EM61-MK2)

Associated Files	
XYZ File Name	071408-14.xyz
Geosoft DB Name	071408-14.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W001 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.07
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	0.13
Background Signal Std Dev	1.59



Survey Date: 7/14/2008

Survey File Name: 071408-15(EM61-MK2)

Associated Files	
XYZ File Name	071408-15.xyz
Geosoft DB Name	071408-15.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W055 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.85
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.23
Background Signal Std Dev	2.1



Survey Date: 7/14/2008

Survey File Name: 071408-16(EM61-MK2)

Associated Files	
XYZ File Name	071408-16.xyz
Geosoft DB Name	071408-16.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/14/2008
Pre-Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Information	
Processing Date	7/14/2008
Processed By	Mark Saunders
Completion Date	7/14/2008
Processing Notes:	
SCA_W074 QC2	

Survey QC	
Internal QC Performed	7/14/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.03
Background Signal Std Dev	1.89



Survey Date: 6/24/2008

Survey File Name: 062408-1(EM61-MK2)

Associated Files	
XYZ File Name	062408-1.xyz
Geosoft DB Name	062408-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/24/2008
Pre-Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Information	
Processing Date	6/24/2008
Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Notes:	
SCA_W111	

Survey QC	
Internal QC Performed	6/24/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.09
Background Signal Std Dev	2.01



Survey Date: 6/24/2008

Survey File Name: 062408-3(EM61-MK2)

Associated Files	
XYZ File Name	062408-3.xyz
Geosoft DB Name	062408-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/24/2008
Pre-Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Information	
Processing Date	6/24/2008
Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Notes:	
SCA_W141 gaps	

Survey QC	
Internal QC Performed	6/24/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.41
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	2.73



Survey Date: 6/24/2008

Survey File Name: 062408-5(EM61-MK2)

Associated Files	
XYZ File Name	062408-5.xyz
Geosoft DB Name	062408-5.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/24/2008
Pre-Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Information	
Processing Date	6/24/2008
Processed By	Mark Saunders
Completion Date	6/24/2008
Processing Notes:	
SCA_W138	

Survey QC	
Internal QC Performed	6/24/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	0.97
Mean Separation [ft]	0.145
Channel Analyzed	Background
Background Signal Mean	-0.012
Background Signal Std Dev	1.6



Survey Date: 6/25/2008

Survey File Name: 062508-1(EM61-MK2)

Associated Files	
XYZ File Name	062508-1.xyz
Geosoft DB Name	062508-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/25/2008
Pre-Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Information	
Processing Date	6/25/2008
Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Notes:	
SCA W074 Unit:MK2A	

Survey QC	
Internal QC Performed	6/25/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.65
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.13
Background Signal Std Dev	2.17



Survey Date: 6/25/2008

Survey File Name: 062508-2(EM61-MK2)

Associated Files	
XYZ File Name	062508-2.xyz
Geosoft DB Name	062508-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/25/2008
Pre-Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Information	
Processing Date	6/25/2008
Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Notes:	
SCA W074 Unit: MK2A	

Survey QC	
Internal QC Performed	6/25/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.31
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	1.77



Survey Date: 6/25/2008

Survey File Name: 062508-3(EM61-MK2)

Associated Files	
XYZ File Name	062508-3.xyz
Geosoft DB Name	062508-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/25/2008
Pre-Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Information	
Processing Date	6/25/2008
Processed By	Mark Saunders
Completion Date	6/25/2008
Processing Notes:	
SCA W074	

Survey QC	
Internal QC Performed	6/25/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	1.58
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.326
Background Signal Std Dev	2.09



Survey Date: 7/7/2008

Survey File Name: 070708-1(EM61-MK2)

Associated Files	
XYZ File Name	070708-1A.xyz
Geosoft DB Name	070708-1a.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/7/2008
Pre-Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Information	
Processing Date	7/7/2008
Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Notes:	
SCA_W135	

Survey QC	
Internal QC Performed	7/7/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.35
Latency PM	0.35

Statistics and Data Evaluation	
Velocity [mph]	2.1
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	1.5



Survey Date: 7/7/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070708-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/7/2008
Pre-Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Information	
Processing Date	7/7/2008
Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Notes:	
W048 Pinkline data gaps	

Survey QC	
Internal QC Performed	7/7/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.21
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	2.58



Survey Date: 7/7/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070708-2

Pre-Processing Information [xyz]	
Pre-Processing Date	7/7/2008
Pre-Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Information	
Processing Date	7/7/2008
Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Notes:	
Test - Do Not use	

Survey QC	
Internal QC Performed	7/7/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 7/7/2008

Survey File Name: Survey3(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 Do Not Use

Survey QC
Internal QC Performed
Geophysics QC

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
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
Background Signal Mean	
Background Signal Std Dev	



Survey Date: 7/7/2008

Survey File Name: Survey4(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	070708-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/7/2008
Pre-Processed By	Mark Saunders
Completion Date	7/8/2008
Processing Information	
Processing Date	7/7/2008
Processed By	Mark Saunders
Completion Date	7/7/2008
Processing Notes:	
SCA_W037	

Survey QC	
Internal QC Performed	7/7/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.03
Background Signal Std Dev	1.48



Survey Date: 6/26/2008

Survey File Name: 062608-1(EM61-MK2)

Associated Files

XYZ File Name 062608-1.xyz
Geosoft DB Name

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method
Window Length
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Pre-Processing Information [xyz]

Pre-Processing Date
Pre-Processed By
Completion Date

Processing Information

Processing Date
Processed By
Completion Date

Processing Notes:

Statistics and Data Evaluation

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

Survey QC

Internal QC Performed
Geophysics QC



Survey Date: 6/27/2008

Survey File Name: 062708-1(EM61-MK2)

Associated Files	
XYZ File Name	062708-1.xyz
Geosoft DB Name	062708-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W119	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.33
Mean Separation [ft]	0.198
Channel Analyzed	Background
Background Signal Mean	-0.28
Background Signal Std Dev	2.1



Survey Date: 6/27/2008

Survey File Name: 062708-2(EM61-MK2)

Associated Files	
XYZ File Name	062708-2.xyz
Geosoft DB Name	062708-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W120	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.44
Mean Separation [ft]	0.213
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	1.97



Survey Date: 6/27/2008

Survey File Name: 062708-3(EM61-MK2)

Associated Files	
XYZ File Name	062708-3.xyz
Geosoft DB Name	062708-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W118	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.55
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.36
Background Signal Std Dev	1.76



Survey Date: 6/27/2008

Survey File Name: 062708-4(EM61-MK2)

Associated Files	
XYZ File Name	062708-4.xyz
Geosoft DB Name	062708-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W117	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.05
Background Signal Std Dev	1.55



Survey Date: 6/27/2008

Survey File Name: 062708-5(EM61-MK2)

Associated Files	
XYZ File Name	062708-5.xyz
Geosoft DB Name	062708.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W005 Gaps	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	-0.03
Background Signal Std Dev	1.2



Survey Date: 6/27/2008

Survey File Name: 062708-6(EM61-MK2)

Associated Files	
XYZ File Name	062708-6.xyz
Geosoft DB Name	062708-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/27/2008
Pre-Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Information	
Processing Date	6/27/2008
Processed By	Mark Saunders
Completion Date	6/27/2008
Processing Notes:	
SCA_W037 Gaps	

Survey QC	
Internal QC Performed	6/27/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	0.02
Background Signal Std Dev	1.102



Survey Date: 7/1/2008

Survey File Name: 070108-1(EM61-MK2)

Associated Files	
XYZ File Name	070108-1B.xyz
Geosoft DB Name	070108-1B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/1/2008
Pre-Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Information	
Processing Date	7/1/2008
Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Notes:	
SCA_W003	

Survey QC	
Internal QC Performed	7/1/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	2.6



Survey Date: 7/1/2008

Survey File Name: 070108-2(EM61-MK2)

Associated Files

XYZ File Name 070108-2B.xyz
Geosoft DB Name 070108-2B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/1/2008
Pre-Processed By Mark Saunders
Completion Date 7/1/2008

Processing Information

Processing Date 7/1/2008
Processed By Mark Saunders
Completion Date 7/1/2008

Processing Notes:

SCA_W130

Survey QC

Internal QC 7/1/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.38
Mean Separation [ft] 0.36
Channel Analyzed Background
Background Signal Mean -0.04
Background Signal Std Dev 1.63



Survey Date: 7/1/2008

Survey File Name: 070108-3(EM61-MK2)

Associated Files	
XYZ File Name	070108-3B
Geosoft DB Name	070108-3B

Pre-Processing Information [xyz]	
Pre-Processing Date	7/1/2008
Pre-Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Information	
Processing Date	7/1/2008
Processed By	Mark Saunders
Completion Date	7/1/2008
Processing Notes:	
SCA_W037 gaps	

Survey QC	
Internal QC Performed	7/1/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.67
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	1.54



Survey Date: 7/1/2008

Survey File Name: 070108-4(EM61-MK2)

Associated Files

XYZ File Name 070108-4B.xyz
Geosoft DB Name 070108-4B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/1/2008
Pre-Processed By Mark Saunders
Completion Date 7/1/2008

Processing Information

Processing Date 7/1/2008
Processed By Mark Saunders
Completion Date 7/1/2008

Processing Notes:

SCA_W034

Survey QC

Internal QC 7/1/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.8
Mean Separation [ft] 0.27
Channel Analyzed Background
Background Signal Mean -0.08
Background Signal Std Dev 1.68



Survey Date: 7/1/2008

Survey File Name: 070108-5(EM61-MK2)

Associated Files

XYZ File Name 070108-5B.xyz
Geosoft DB Name 070108-5B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/1/2008
Pre-Processed By Mark Saunders
Completion Date 7/1/2008

Processing Information

Processing Date 7/1/2008
Processed By Mark Saunders
Completion Date 7/1/2008

Processing Notes:

SCA_W125 gaps

Survey QC

Internal QC 7/1/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.46
Mean Separation [ft] 0.23
Channel Analyzed Background
Background Signal Mean -0.05
Background Signal Std Dev 2.71



Survey Date: 7/10/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	071008-1TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
W140	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.16
Background Signal Std Dev	2.23



Survey Date: 7/10/2008

Survey File Name: Survey2(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	071008-2TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
W140	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.62
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.7



Survey Date: 7/10/2008

Survey File Name: 071008-1(EM61-MK2)

Associated Files	
XYZ File Name	071008-1.xyz
Geosoft DB Name	071008-1.xyz

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
Fenceline Test	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.54
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.3
Background Signal Std Dev	2.47



Survey Date: 7/10/2008

Survey File Name: 071008-2(EM61-MK2)

Associated Files	
XYZ File Name	071008-2.xyz
Geosoft DB Name	071008-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
Fenceline Test	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.66
Mean Separation [ft]	0.246
Channel Analyzed	Background
Background Signal Mean	-0.22
Background Signal Std Dev	1.82



Survey Date: 7/10/2008

Survey File Name: 071008-3(EM61-MK2)

Associated Files	
XYZ File Name	071008-3.xyz
Geosoft DB Name	071008-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
Fenceline	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.59
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.29
Background Signal Std Dev	2.45



Survey Date: 7/10/2008

Survey File Name: 071008-4(EM61-MK2)

Associated Files	
XYZ File Name	071008-4.xyz
Geosoft DB Name	071008-4.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
Fenceline Test	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.85
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.27
Background Signal Std Dev	2.36



Survey Date: 7/10/2008

Survey File Name: 071008-5(EM61-MK2)

Associated Files

XYZ File Name 071008-5.xyz
Geosoft DB Name 071008-5B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/10/2008
Pre-Processed By Mark Saunders
Completion Date 7/10/2008

Processing Information

Processing Date 7/10/2008
Processed By Mark Saunders
Completion Date 7/10/2008

Processing Notes:

Fenceline Test

Survey QC

Internal QC 7/10/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.77
Mean Separation [ft] 0.26
Channel Analyzed Background
Background Signal Mean -0.52
Background Signal Std Dev 2.16



Survey Date: 7/10/2008

Survey File Name: 071008-6(EM61-MK2)

Associated Files	
XYZ File Name	071008-6.xyz
Geosoft DB Name	071008-6.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
SCA_W132 Gaps	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.81
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.24
Background Signal Std Dev	2.74



Survey Date: 7/10/2008

Survey File Name: 071008-7(EM61-MK2)

Associated Files	
XYZ File Name	071008-7.xyz
Geosoft DB Name	071008-7.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/10/2008
Pre-Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Information	
Processing Date	7/10/2008
Processed By	Mark Saunders
Completion Date	7/10/2008
Processing Notes:	
SCA_W163	

Survey QC	
Internal QC Performed	7/10/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.8
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	0.02
Background Signal Std Dev	2.46



Survey Date: 7/11/2008

Survey File Name: Survey1(EM61-MK2 Towed Array)

Associated Files	
XYZ File Name	Export.EM61MII.EM61Color.xyz
Geosoft DB Name	071108-1TA.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/11/2008
Pre-Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Information	
Processing Date	7/11/2008
Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Notes:	
W140	

Survey QC	
Internal QC Performed	7/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
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	-0.102
Background Signal Std Dev	2.22



Survey Date: 7/11/2008

Survey File Name: 071108-1(EM61-MK2)

Associated Files	
XYZ File Name	071108-1B.xyz
Geosoft DB Name	071108-1B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/11/2008
Pre-Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Information	
Processing Date	7/11/2008
Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Notes:	
SCA_W124 and W048 Gaps	

Survey QC	
Internal QC Performed	7/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.76
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.73



Survey Date: 7/11/2008

Survey File Name: 071108-2(EM61-MK2)

Associated Files

XYZ File Name 071108-2B.xyz
Geosoft DB Name 071108-2B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/11/2008
Pre-Processed By Mark Saunders
Completion Date 7/11/2008

Processing Information

Processing Date 7/11/2008
Processed By Mark Saunders
Completion Date 7/11/2008

Processing Notes:

W048 Gaps

Survey QC

Internal QC 7/11/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.83
Mean Separation [ft] 0.27
Channel Analyzed Background
Background Signal Mean 0.28
Background Signal Std Dev 2.63



Survey Date: 7/11/2008

Survey File Name: 071108-3(EM61-MK2)

Associated Files	
XYZ File Name	071108-3B.xyz
Geosoft DB Name	071108-3B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/11/2008
Pre-Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Information	
Processing Date	7/11/2008
Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Notes:	
SCA_W138 Gap	

Survey QC	
Internal QC Performed	7/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.94
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.01
Background Signal Std Dev	1.64



Survey Date: 7/11/2008

Survey File Name: 071108-4(EM61-MK2)

Associated Files

XYZ File Name 071108-4B.xyz
Geosoft DB Name 071108-4B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/11/2008
Pre-Processed By Mark Saunders
Completion Date 7/11/2008

Processing Information

Processing Date 7/11/2008
Processed By Mark Saunders
Completion Date 7/11/2008

Processing Notes:

W048 Gaps

Survey QC

Internal QC 7/11/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction Performed False

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.22
Mean Separation [ft] 0.33
Channel Analyzed Background
Background Signal Mean 0.02
Background Signal Std Dev 2.29



Survey Date: 7/11/2008

Survey File Name: 071108-5(EM61-MK2)

Associated Files

XYZ File Name 071108-5B.xyz
Geosoft DB Name 071108-5B.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/11/2008
Pre-Processed By Mark Saunders
Completion Date 7/11/2008

Processing Information

Processing Date 7/11/2008
Processed By Mark Saunders
Completion Date 7/11/2008

Processing Notes:

W048 Gaps

Survey QC

Internal QC 7/11/2008
Performed

Geophysics QC Mark Saunders

Processing Parameters

Drift Correction Performed True
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
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 0.004
Background Signal Std Dev 2.21



Survey Date: 7/11/2008

Survey File Name: 071108-6(EM61-MK2)

Associated Files	
XYZ File Name	071108-6B.xyz
Geosoft DB Name	071108-6B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/11/2008
Pre-Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Information	
Processing Date	7/11/2008
Processed By	Mark Saunders
Completion Date	7/11/2008
Processing Notes:	
SCA_W018	

Survey QC	
Internal QC Performed	7/11/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.22
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.21
Background Signal Std Dev	1.91



Survey Date: 6/30/2008

Survey File Name: 063008-1(EM61-MK2)

Associated Files	
XYZ File Name	063008-1.xyz
Geosoft DB Name	063008-1.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	
SCA_W101	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.47
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.17
Background Signal Std Dev	2.2



Survey Date: 6/30/2008

Survey File Name: 063008-2(EM61-MK2)

Associated Files	
XYZ File Name	063008-2.xyz
Geosoft DB Name	063008-2.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	
SCA_W112	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.33
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	-0.13
Background Signal Std Dev	2.04



Survey Date: 6/30/2008

Survey File Name: 063008-3(EM61-MK2)

Associated Files	
XYZ File Name	063008-3.xyz
Geosoft DB Name	063008-3.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation	
Velocity [mph]	2.95
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.13



Survey Date: 6/30/2008

Survey File Name: 063008-4(EM61-MK2)

Associated Files	
XYZ File Name	063008-4B.xyz
Geosoft DB Name	063008-4B.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	
W048_Gaps	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.71
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.62



Survey Date: 6/30/2008

Survey File Name: 063008-1(EM61-MK2)

Associated Files	
XYZ File Name	063008-1A.xyz
Geosoft DB Name	063008-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	
W157	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.54
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	1.72



Survey Date: 6/30/2008

Survey File Name: 063008-2(EM61-MK2)

Associated Files	
XYZ File Name	063008-2A.xyz
Geosoft DB Name	063008-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	6/30/2008
Pre-Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Information	
Processing Date	6/30/2008
Processed By	Mark Saunders
Completion Date	6/30/2008
Processing Notes:	
SCA_W160	

Survey QC	
Internal QC Performed	6/30/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.71
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	0.32
Background Signal Std Dev	1.18



Survey Date: 7/17/2008

Survey File Name: 071708-1(EM61-MK2)

Associated Files	
XYZ File Name	071708-1A.xyz
Geosoft DB Name	071708-1A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W160 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.87
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	1.41



Survey Date: 7/17/2008

Survey File Name: 071708-2(EM61-MK2)

Associated Files	
XYZ File Name	071708-2A.xyz
Geosoft DB Name	071708-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W128 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.35
Mean Separation [ft]	0.22
Channel Analyzed	Background
Background Signal Mean	-0.091
Background Signal Std Dev	2.58



Survey Date: 7/17/2008

Survey File Name: 071708-3(EM61-MK2)

Associated Files	
XYZ File Name	071708-3A.xyz
Geosoft DB Name	071708-3A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W127 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.01
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	2.59



Survey Date: 7/17/2008

Survey File Name: 071708-4(EM61-MK2)

Associated Files	
XYZ File Name	071708-4A.xyz
Geosoft DB Name	071708-4A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
SCA_W126	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
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	0.19
Background Signal Std Dev	2.55



Survey Date: 7/17/2008

Survey File Name: 071708-5(EM61-MK2)

Associated Files	
XYZ File Name	071708-5A.xyz
Geosoft DB Name	071708-5A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W111 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.12
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.05
Background Signal Std Dev	1.6



Survey Date: 7/17/2008

Survey File Name: 071708-6(EM61-MK2)

Associated Files

XYZ File Name 071708-6A.xyz
Geosoft DB Name 071708-6A.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/17/2008
Pre-Processed By Mark Saunders
Completion Date 7/17/2008

Processing Information

Processing Date 7/17/2008
Processed By Mark Saunders
Completion Date 7/17/2008

Processing Notes:

W129 QC2

Survey QC

Internal QC 7/17/2008
Performed
Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 1.62
Mean Separation [ft] 0.25
Channel Analyzed Background
Background Signal Mean -0.23
Background Signal Std Dev 2.64



Survey Date: 7/17/2008

Survey File Name: 071708-7(EM61-MK2)

Associated Files	
XYZ File Name	071708-7A.xyz
Geosoft DB Name	071708-7A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W125 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.56
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	0.016
Background Signal Std Dev	2.6



Survey Date: 7/17/2008

Survey File Name: 071708-8(EM61-MK2)

Associated Files	
XYZ File Name	071708-8A.xyz
Geosoft DB Name	071708-8A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/17/2008
Pre-Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Information	
Processing Date	7/17/2008
Processed By	Mark Saunders
Completion Date	7/17/2008
Processing Notes:	
W162 QC2	

Survey QC	
Internal QC Performed	7/17/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.68
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	2.35



Survey Date: 7/18/2008

Survey File Name: 071808-1(EM61-MK2)

Associated Files

XYZ File Name 071808-1A.xyz
Geosoft DB Name 071808-1A.gdb

Pre-Processing Information [xyz]

Pre-Processing Date 7/18/2008
Pre-Processed By Mark Saunders
Completion Date 7/18/2008

Processing Information

Processing Date 7/18/2008
Processed By Mark Saunders
Completion Date 7/18/2008

Processing Notes:

W111 QC2

Survey QC

Internal QC 7/18/2008
Performed
Geophysics QC Mark Saunders

Processing Parameters

Drift Correction True
Performed
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method Median
Window Length 100
Diurnal Correction False
Performed

Latency

Latency AM 0.4
Latency PM 0.4

Statistics and Data Evaluation

Velocity [mph] 2.45
Mean Separation [ft] 0.36
Channel Analyzed Background
Background Signal Mean 0.032
Background Signal Std Dev 2.34



Survey Date: 7/18/2008

Survey File Name: 071808-2(EM61-MK2)

Associated Files	
XYZ File Name	071808-2A.xyz
Geosoft DB Name	071808-2A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/18/2008
Pre-Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Information	
Processing Date	7/18/2008
Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Notes:	
W161 QC2	

Survey QC	
Internal QC Performed	7/18/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.56
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.01
Background Signal Std Dev	1.03



Survey Date: 7/18/2008

Survey File Name: 071808-3(EM61-MK2)

Associated Files	
XYZ File Name	071808-3A.xyz
Geosoft DB Name	071808-3A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/18/2008
Pre-Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Information	
Processing Date	7/18/2008
Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Notes:	
W132 QC2	

Survey QC	
Internal QC Performed	7/18/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	False
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	
Window Length	
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.53
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.12
Background Signal Std Dev	2.65



Survey Date: 7/18/2008

Survey File Name: 071808-4(EM61-MK2)

Associated Files	
XYZ File Name	071808-4A.xyz
Geosoft DB Name	071808-4A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/18/2008
Pre-Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Information	
Processing Date	7/18/2008
Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Notes:	
SCA_W018 QC2	

Survey QC	
Internal QC Performed	7/18/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	2.14
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	0.08
Background Signal Std Dev	1.27



Survey Date: 7/18/2008

Survey File Name: 071808-5(EM61-MK2)

Associated Files	
XYZ File Name	071808-5A.xyz
Geosoft DB Name	071808-5A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/18/2008
Pre-Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Information	
Processing Date	7/18/2008
Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Notes:	
SCA_W138 QC2	

Survey QC	
Internal QC Performed	7/18/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.96
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	0.008
Background Signal Std Dev	0.69



Survey Date: 7/18/2008

Survey File Name: 071808-6(EM61-MK2)

Associated Files	
XYZ File Name	071808-6A.xyz
Geosoft DB Name	071808-6A.gdb

Pre-Processing Information [xyz]	
Pre-Processing Date	7/18/2008
Pre-Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Information	
Processing Date	7/18/2008
Processed By	Mark Saunders
Completion Date	7/18/2008
Processing Notes:	
W157 QC2	

Survey QC	
Internal QC Performed	7/18/2008
Geophysics QC	Mark Saunders

Processing Parameters	
Drift Correction Performed	True
Drift Min	
Drift Max	
Drift Window	
Statistical Drift Correction	
Correction Method	Median
Window Length	100
Diurnal Correction Performed	False
Latency	
Latency AM	0.4
Latency PM	0.4

Statistics and Data Evaluation	
Velocity [mph]	1.34
Mean Separation [ft]	0.199
Channel Analyzed	Background
Background Signal Mean	0.007
Background Signal Std Dev	1.26



Survey Date: 7/20/2008

Survey File Name: 072008-1(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:

Survey QC

Internal QC
Performed
Geophysics QC

Processing Parameters

Drift Correction Performed False
Drift Min
Drift Max
Drift Window

Statistical Drift Correction

Correction Method
Window Length
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
Background Signal Mean
Background Signal Std Dev