

Geometry 1

WP2

SIO Portable Marine Seismic System

Cruise: RR1313

Vessel: R/V Roger Revelle

Date: Sept 2013

Chief Sci: Yair Rosenthal

Techs:

Lee Ellett

Jay Turnbull

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off Ref Plate	Depth/Height from water
1	81.25	56.25	117.25	5.4 (stbd)	2
48	668.75	643.75	704.75	5.4 (stbd)	2
Source	25	0	61	9.3 (port)	2
GPS	36	61	0	0	0

Section	Length (m)	Number of Channels
Towing Cables	75	
Active Sections	600	48
Tail Stretch and Rope	75	
Group Int	12.5	

Bird Locations (Streamer, GPS Ref Plate)

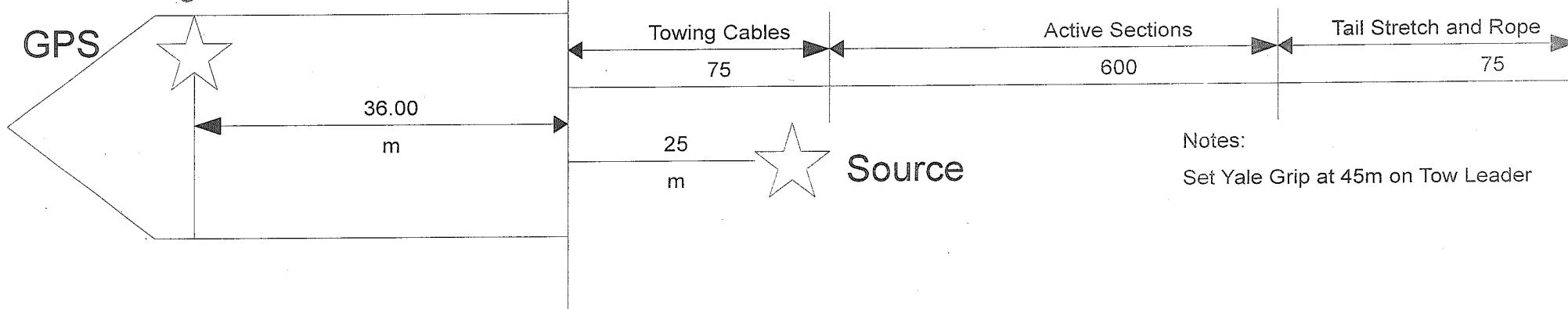
Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
Bird 3	Start of Ch 33 (Active 5), (511x, 5.4y)
Bird 4	Start of Tail Stretch, (711x, 5.4y)

Source:	GI gun 45/105 True GI	Qty:	2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db
Sample Int:	1 ms	# of Channels:	48
File Format:	SEGD	D 8058 Rev 1	
Rec. Length:	6 sec	Shot Interval:	12.5 25m

FOLD =

No. Traces * Grp. Int

2*(Shot Interval)



Notes:

Set Yale Grip at 45m on Tow Leader

* Not drawn to Scale

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Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off Ref Plate	Depth/Height from water
1	81.25	56.25	117.25	5.4 (stbd)	32
48	668.75	643.75	704.75	5.4 (stbd)	32
Source	25	0	61	9.3 (port)	2
GPS	36	61	0	0	0

Section	Length (m)	Number of Channels
Towing Cables	75	
Active Sections	600	48
Tail Stretch and Rope	75	
Group Int	12.5	

Source:	GI gun 45/105 True GI	Qty:	2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db
Sample Int:	1 ms	# of Channels:	48
File Format:	SEGD D 8058 Rev 1		
Rec. Length:	5 sec	Shot Interval:	12.5 m

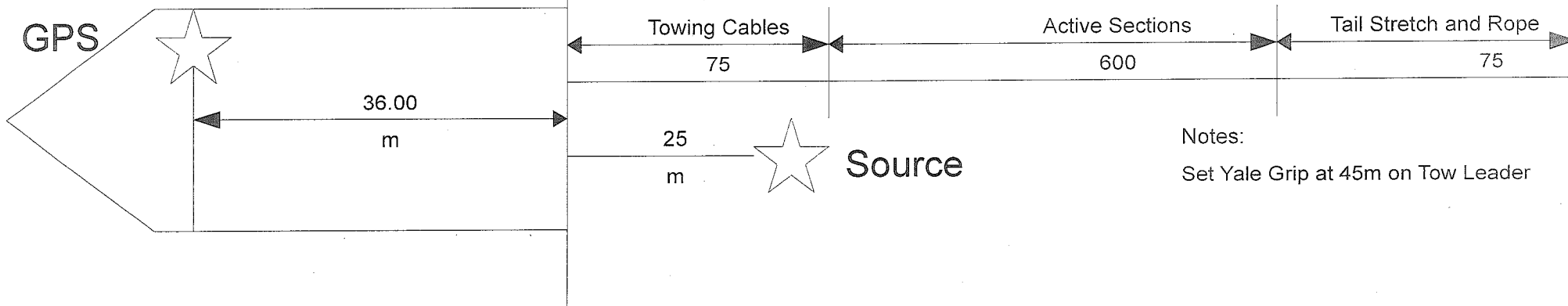
FOLD =

No. Traces * Grp. Int

2*(Shot Interval)

Bird Locations (Streamer, GPS Ref Plate)

Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
Bird 3	Start of Ch 33 (Active 5), (511x, 5.4y)
Bird 4	Start of Tail Stretch, (711x, 5.4y)



* Not drawn to Scale

WP4

SIO Portable Marine Seismic System

Cruise: RR1313

Vessel: R/V Roger Revelle

Date: Sept 2013

Chief Sci: Yair Rosenthal

Techs:

Lee Ellett

Jay Turnbull

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off Ref Plate	Depth/Height from water
1	81.25	56.25	117.25	5.4 (stbd)	3/2
48	668.75	643.75	704.75	5.4 (stbd)	3/2
Source	25	0	61	9.3 (port)	2
GPS	36	61	0	0	0

Section	Length (m)	Number of Channels
Towing Cables	75	
Active Sections	600	48
Tail Stretch and Rope	75	
Group Int	12.5	

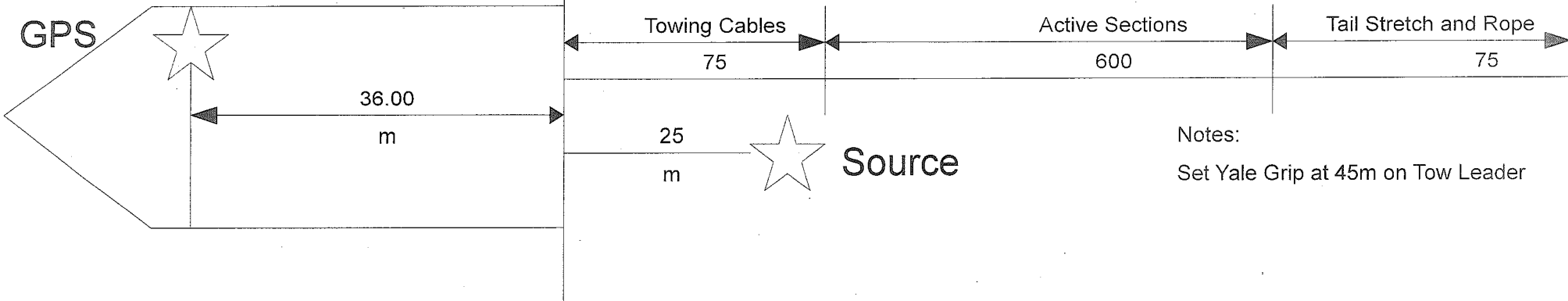
Source:	GI gun 45/105 True GI	Qty:	2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db
Sample Int:	1 ms	# of Channels:	48
File Format:	SEGD	D 8058 Rev 1	
Rec. Length:	5 sec	Shot Interval:	12.5 25

FOLD =

$$\frac{\text{No. Traces} * \text{Grp. Int}}{2 * (\text{Shot Interval})}$$

Bird Locations (Streamer, GPS Ref Plate)

Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
Bird 3	Start of Ch 33 (Active 5), (511x, 5.4y)
Bird 4	Start of Tail Stretch, (711x, 5.4y)



* Not drawn to Scale

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Geometry 1

WPG

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off Ref Plate	Depth/Height from water
1	81.25	56.25	117.25	5.4 (stbd)	3/2
48	668.75	643.75	704.75	5.4 (stbd)	3/2
Source	25	0	61	9.3 (port)	2
GPS	36	61	0	0	0

Section	Length (m)	Number of Channels
Towing Cables	75	
Active Sections	600	48
Tail Stretch and Rope	75	
Group Int	12.5	

Source:	GI gun	45/105 True GI	Qty:	2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db	
Sample Int:	1 ms	# of Channels:	48	
File Format:	SEGD	D 8058 Rev 1		
Rec. Length:	5 sec	Shot Interval:	12.5 25m	

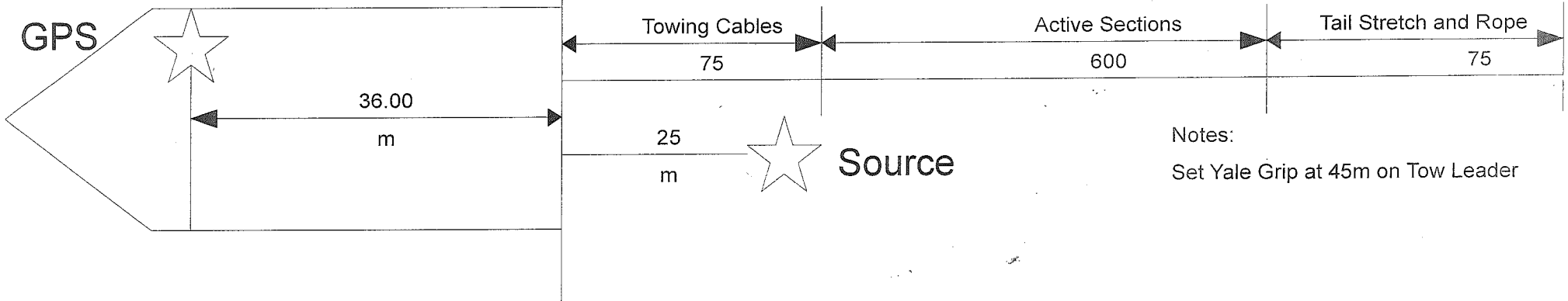
FOLD =

No. Traces * Grp. Int

2*(Shot Interval)

Bird Locations (Streamer, GPS Ref Plate)

Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
Bird 3	Start of Ch 33 (Active 5), (511x, 5.4y)
Bird 4	Start of Tail Stretch, (711x, 5.4y)



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Geometry

12
S1 survey
(aka WP7)

SIO Portable Marine Seismic System

Cruise: RR1313

Vessel: R/V Roger Revelle

Date: Sept 2013

Chief Sci: Yair Rosenthal

Techs:

Lee Ellett

Jay Turnbull

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off Ref Plate	Depth/Height from water
1	81.25	56.25	117.25	5.4 (stbd)	<i>12</i>
48	668.75	643.75	704.75	5.4 (stbd)	<i>12</i>
Source	25	0	61	9.3 (port)	2
GPS	36	61	0	0	0

Section	Length (m)	Number of Channels
Towing Cables	75	
Active Sections	600	48
Tail Stretch and Rope	75	
Group Int	12.5	

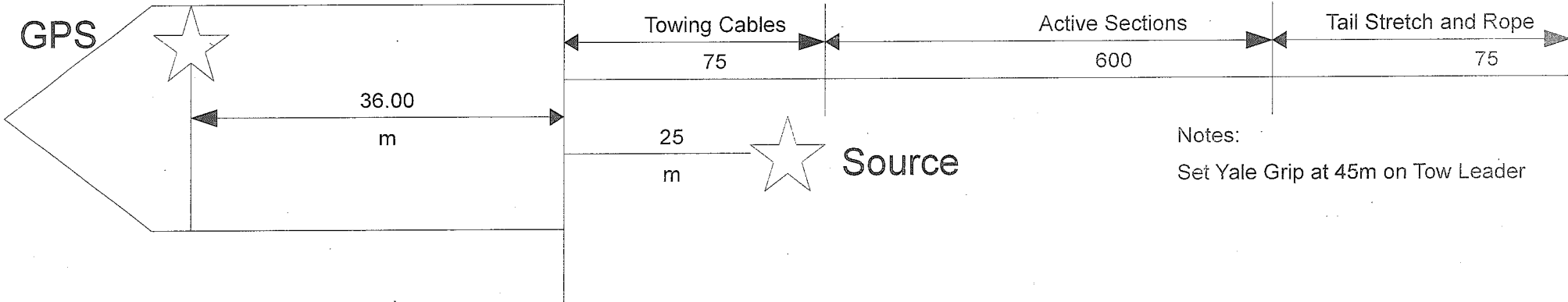
Source:	GI gun	45/105 True GI	Qty: <i>2</i>
Acq. Sys.	GeoEel	PreAmp Gain:	18 db
Sample Int:	1 ms	# of Channels:	48
File Format:	SEGD	D 8058 Rev 1	
Rec. Length:	5 sec	Shot Interval:	12.5 <i>12.5</i>

FOLD =

No. Traces * Grp. Int
2*(Shot Interval)

Bird Locations (Streamer, GPS Ref Plate)

Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
Bird 3	Start of Ch 33 (Active 5), (511x, 5.4y)
Bird 4	Start of Tail Stretch, (711x, 5.4y)



Notes:
Set Yale Grip at 45m on Tow Leader

* Not drawn to Scale

Geometry 1

*Bentham
(aka WP13)*

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Vessel: R/V Roger Revelle

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Techs:

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Towing Cables	75	48
Active Sections	600	
Tail Stretch and Rope	75	
Group Int	12.5	

Source:	GI gun	45/105 True GI	Qty: 2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db
Sample Int:	1 ms	# of Channels:	48
File Format:	SEGD	D 8058 Rev 1	
Rec. Length:	5 sec	Shot Interval:	12.5 25

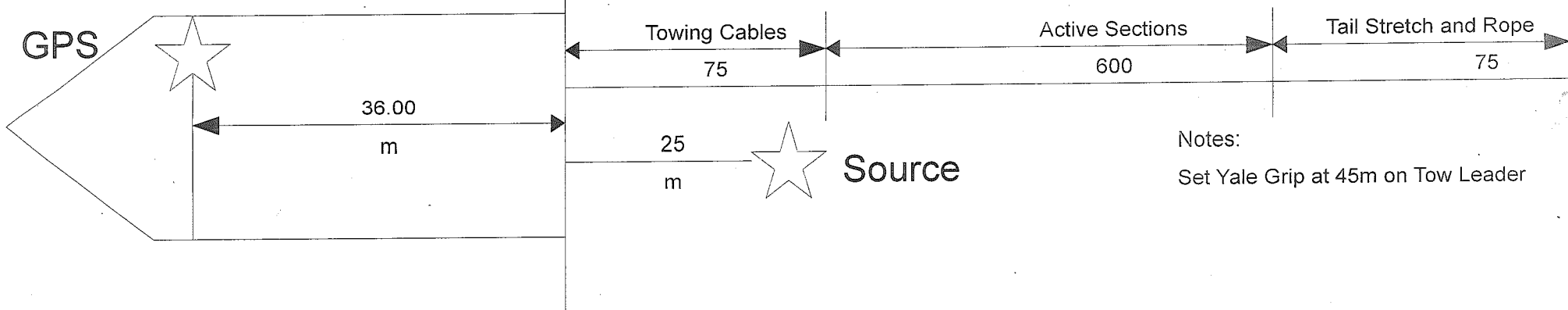
FOLD =

No. Traces * Grp. Int

2*(Shot Interval)

Bird Locations (Streamer, GPS Ref Plate)

Bird 1	Start of Tow Stretch, (86x, 5.4y)
Bird 2	Start of Ch17 (Active 3), (311x, 5.4y)
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