

# SIO Portable Marine Seismic System

**Geometry 1**  
**Tue, November 15, 2011**  
**Lines 1 & 3-10**

**Cruise: TN272**  
**Vessel: R/V Thompson**  
**Date: Nov 2011**  
**Chief Sci: Tominaga**

**Techs:**  
 Lee Ellett  
 Jay Turnbull  
 Bridget Hass

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off center line	Depth/Height from water
1	101.25	76.25	126.25	2	4
48	688.75	663.75	713.75	2	4
Source	25	0	50	2	4
GPS	25	50	0	2	29

Section	Length (m)	Number of Channels
Towing Cables	95	
Active Sections	600	48
Tail Stretch and Rope	125	
Group Int	12.5	

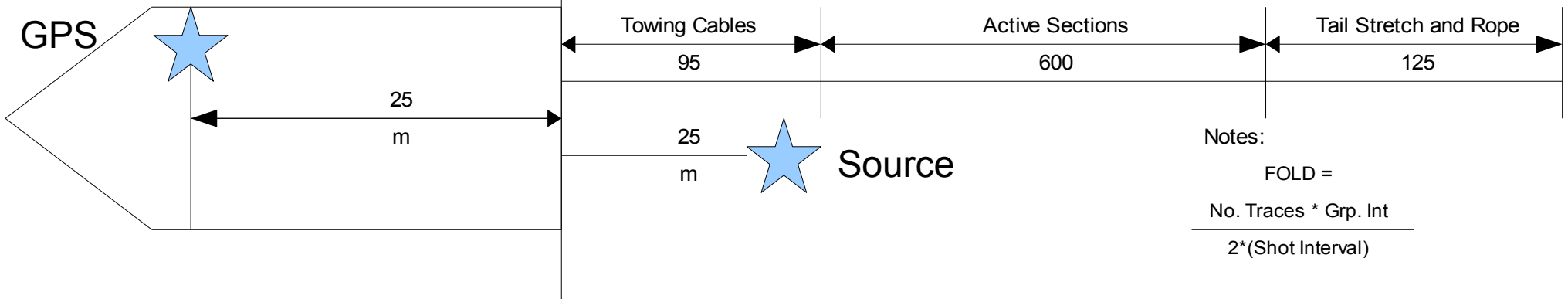
<b>Source:</b>	GI gun	105/105 Harmonic	<b>Qty:</b>	2
<b>Acq. Sys.</b>	GeoEel	<b>PreAmp Gain:</b>	18 db	
<b>Sample Int:</b>	1 ms	<b># of Channels:</b>	48	
<b>File Format:</b>	SEGD	D 8058 Rev 1		
<b>Rec. Length:</b>	11.5 sec	<b>Shot Interval:</b>	25m	

### Auxiliary Channels

AUX 1	Gun Timebreak
AUX 2	Gun 1 Near Field
AUX 3	Gun 2 Near Field
AUX 4	Sonobuoy

### Bird Locations

Bird 1	Start of Tow Stretch
Bird 2	Start of Ch 17 (Active 3)
Bird 3	Start of Ch 33 (Active 5)
Bird 4	Start of Tail Stretch



Notes:  
 FOLD =  

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

\* Not drawn to Scale

# SIO Portable Marine Seismic System

**Geometry 2**  
**Wed, November 16, 2011**  
**Line 2**

**Cruise: TN272**  
**Vessel: R/V Thompson**  
**Date: Nov 2011**  
**Chief Sci: Tominaga**

**Techs:**  
 Lee Ellett  
 Jay Turnbull  
 Bridget Hass

Item or Channel	Distance (m) from Stern	Distance (m) from Source	Distance (m) From GPS	Distance (m) off center line	Depth/Height from water
1	101.25	76.25	121.25	2	4
48	688.75	663.75	708.75	2	4
Source	25	0	45	2	4
GPS	20	45	0	2	29

Section	Length (m)	Number of Channels
Towing Cables	95	
Active Sections	600	48
Tail Stretch and Rope	125	
Group Int	12.5	

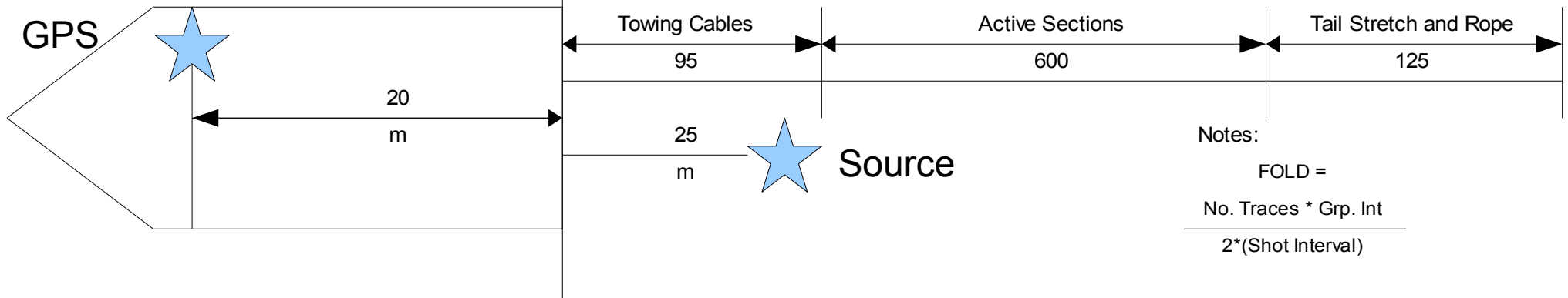
<b>Source:</b>	Gl gun	105/105 Harmonic	<b>Qty:</b>	2
<b>Acq. Sys.</b>	GeoEel	<b>PreAmp Gain:</b>	18 db	
<b>Sample Int:</b>	1 ms	<b># of Channels:</b>	48	
<b>File Format:</b>	SEGD	D 8058 Rev 1		
<b>Rec. Length:</b>	11.5 sec	<b>Shot Interval:</b>	25m	

### Auxiliary Channels

AUX 1	Gun Timebreak
AUX 2	Gun 1 Near Field
AUX 3	Gun 2 Near Field
AUX 4	Sonobuoy

### Bird Locations

Bird 1	Start of Tow Stretch
Bird 2	Start of Ch 17 (Active 3)
Bird 3	Start of Ch 33 (Active 5)
Bird 4	Start of Tail Stretch



Notes:  
 FOLD =  

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

\* Not drawn to Scale