

SIO Portable Marine Seismic System

Geometry 1

Cruise: **MV1202**
Vessel: **R/V Melville**
Date: **Jan. 23 – Feb. 8 2012**
Chief Sci: **Warren Wood**

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	106.25	81.25	145.75	6.7 (starboard)	9
40	593.75	568.75	633.25	6.7 (starboard)	9
Source	25	0	64.5	1.5 (port)	6
GPS	39.5	64.5	0	1 (port)	29

Section	Length (m)	Number of Channels
Towing Cables	100	
Active Sections	500	40
Tail Stretch and Rope	125	
Group Int	12.5	

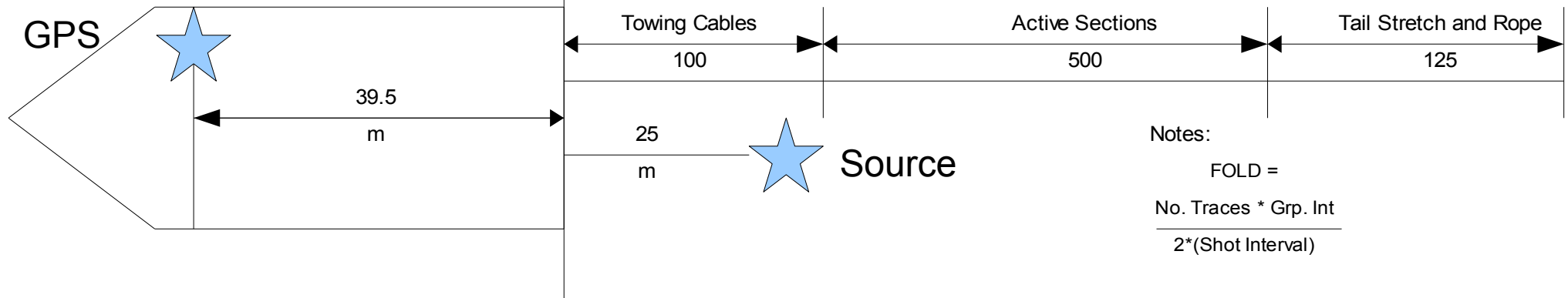
Source:	GI gun	105/105 Harmonic	Qty:	2
Acq. Sys.	GeoEel	PreAmp Gain:	18 db	
Sample Int:	.5ms	# of Channels:	40	
File Format:	SEGD	D 8058 Rev 1		
Rec. Length:	8 sec	Shot Interval:	25m	

Auxiliary Channels

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

Bird Locations

Bird 1	Start of Tow Stretch
Bird 2	Start of Ch 1 (Active 1)
Bird 3	Start of Ch 25 (Active 4)
Bird 4	Start of Tail Stretch



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

* Not drawn to Scale