Company : LDEO

Vessel : Marcus G.Langseth

Client : NSF

Project : MGL1206

Area : Shatsky Rise Start Date : 23 March 2012



**Vessel Sensor Offsets** 

**Towing Offsets** 

**Acoustic Offsets** 

**Gun Array Offsets** 

**Gun Configuration** 

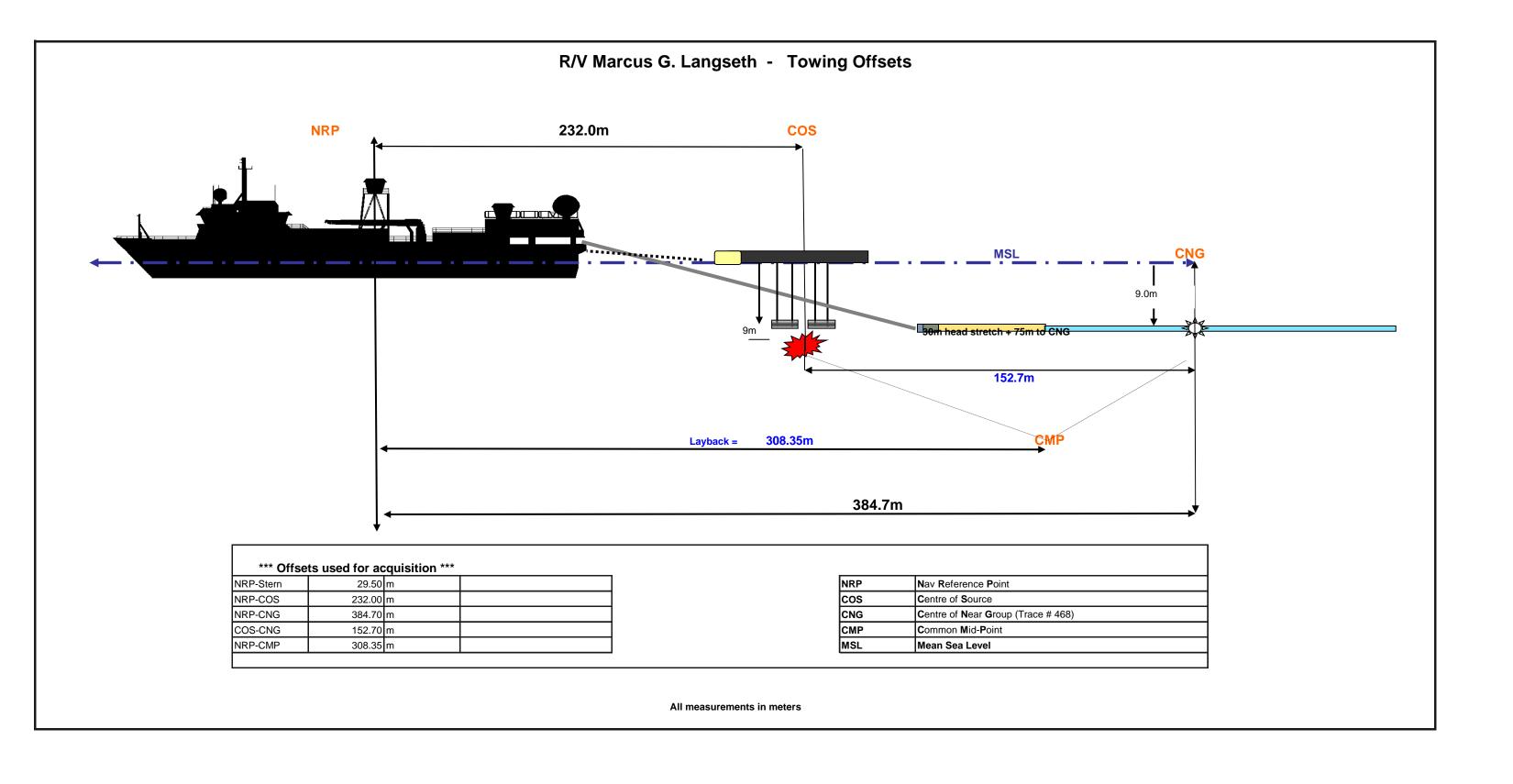
**Streamer Front End** 

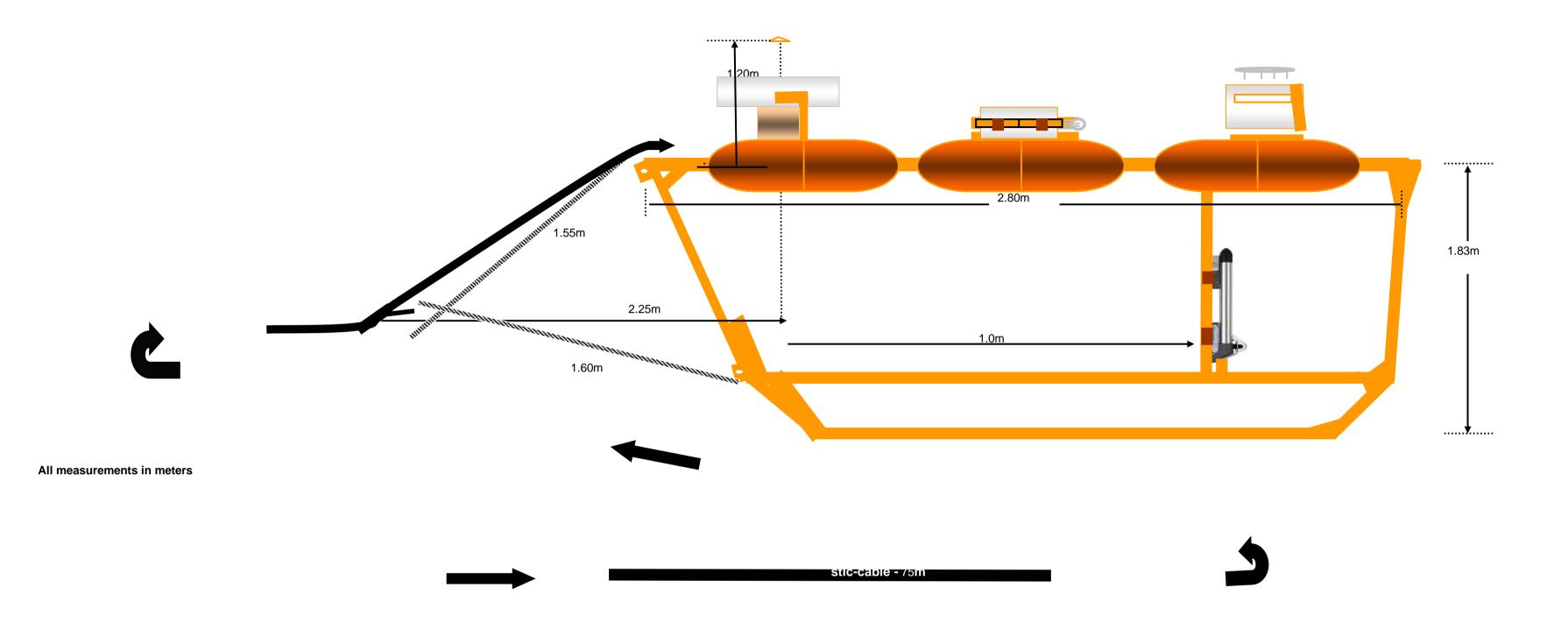
**Tailbuoy Offsets** 

**Timing Langseth** 

**Timing Spectra** 



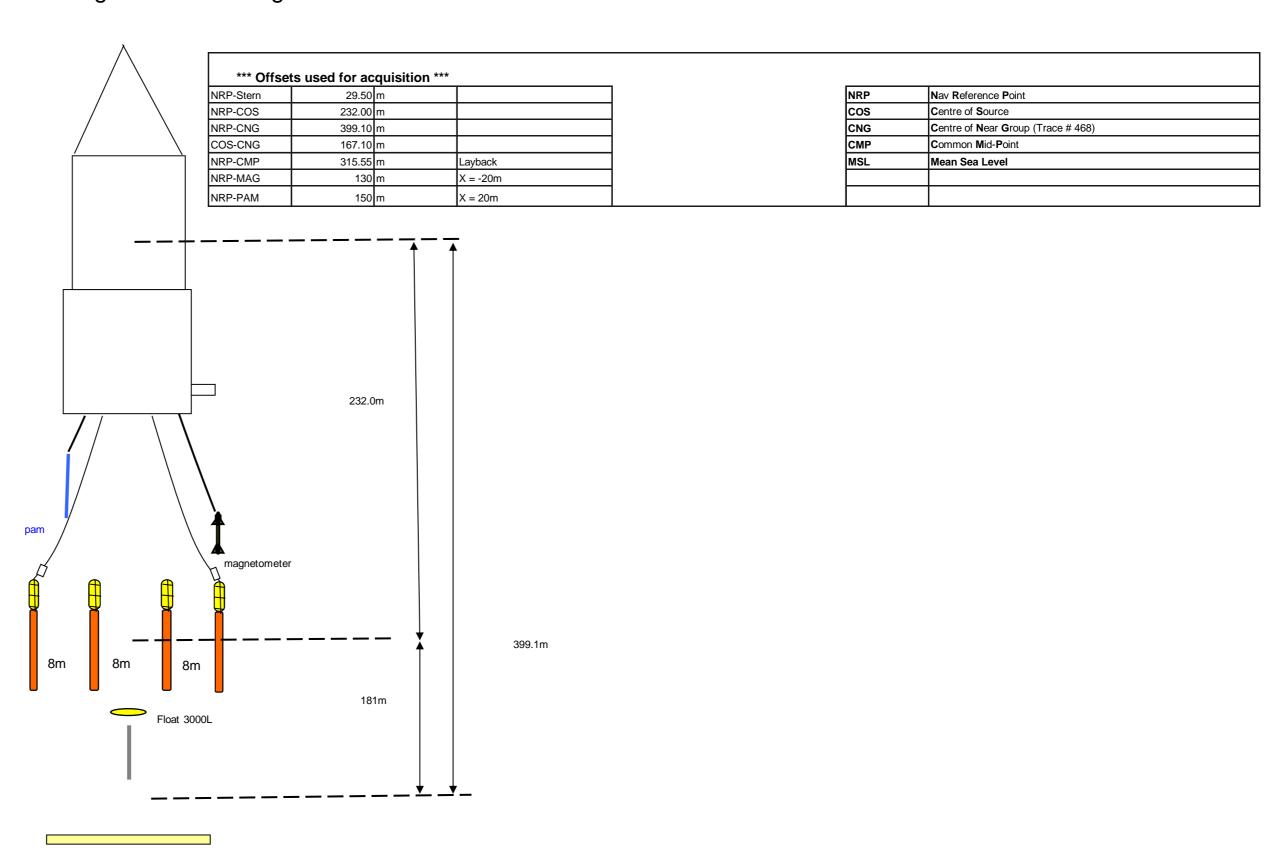


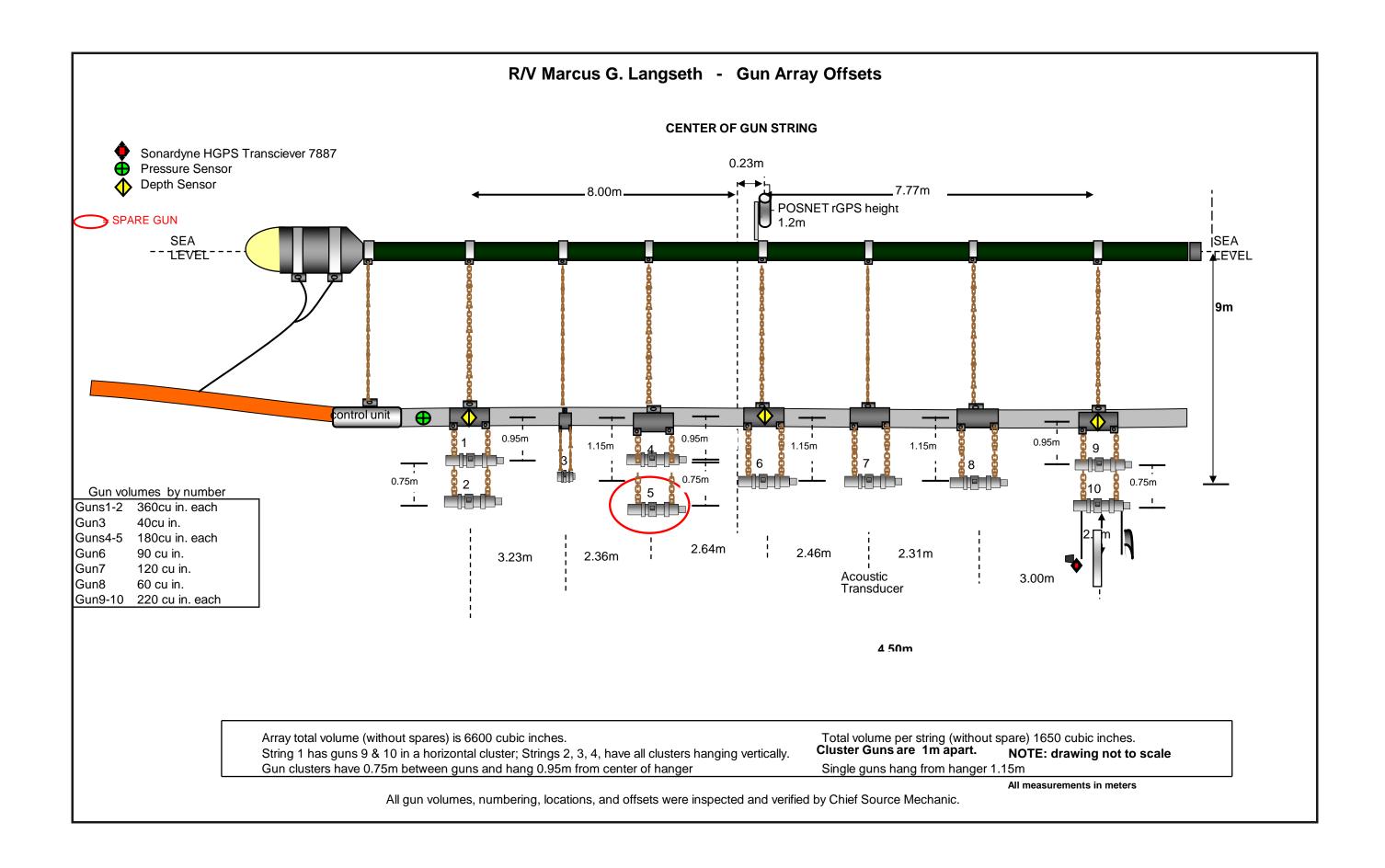


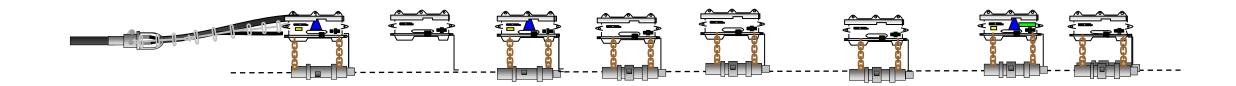
## R/V Marcus Langseth 1 x 6000 4 Gunstrings

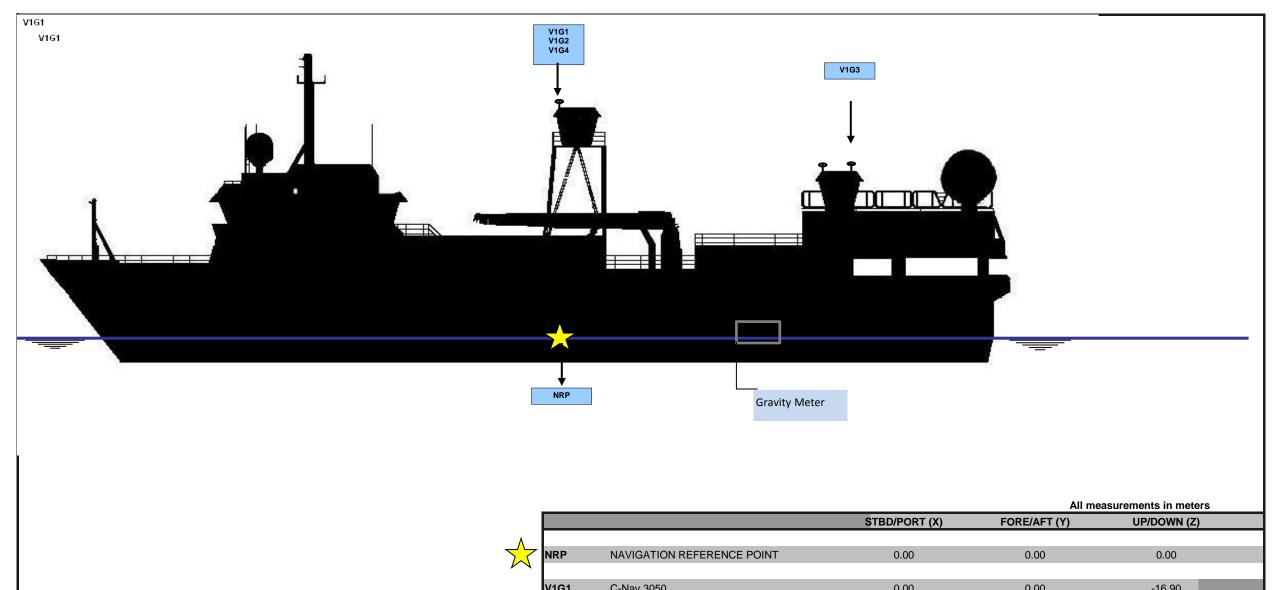
NOT to Scale

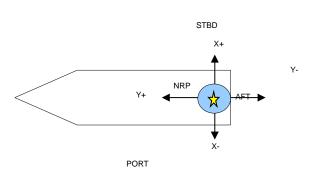
# R/V Marcus G. Langseth "tow" configuration





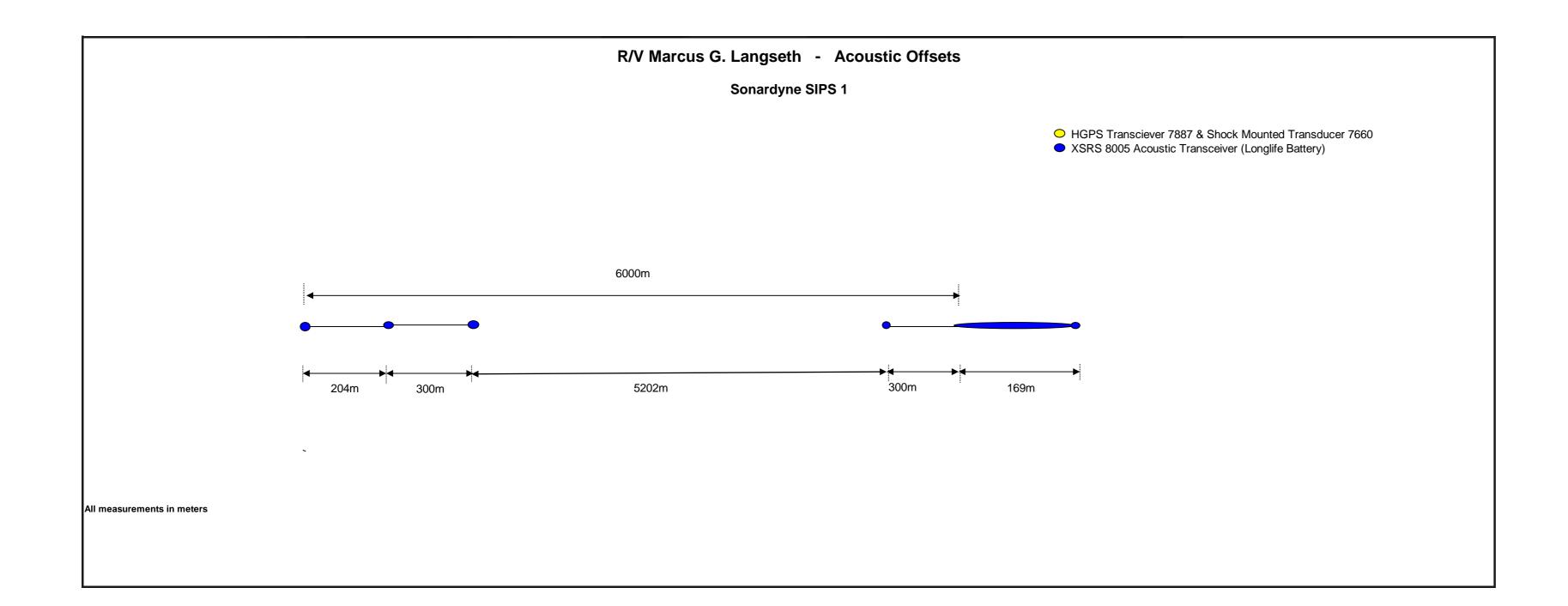


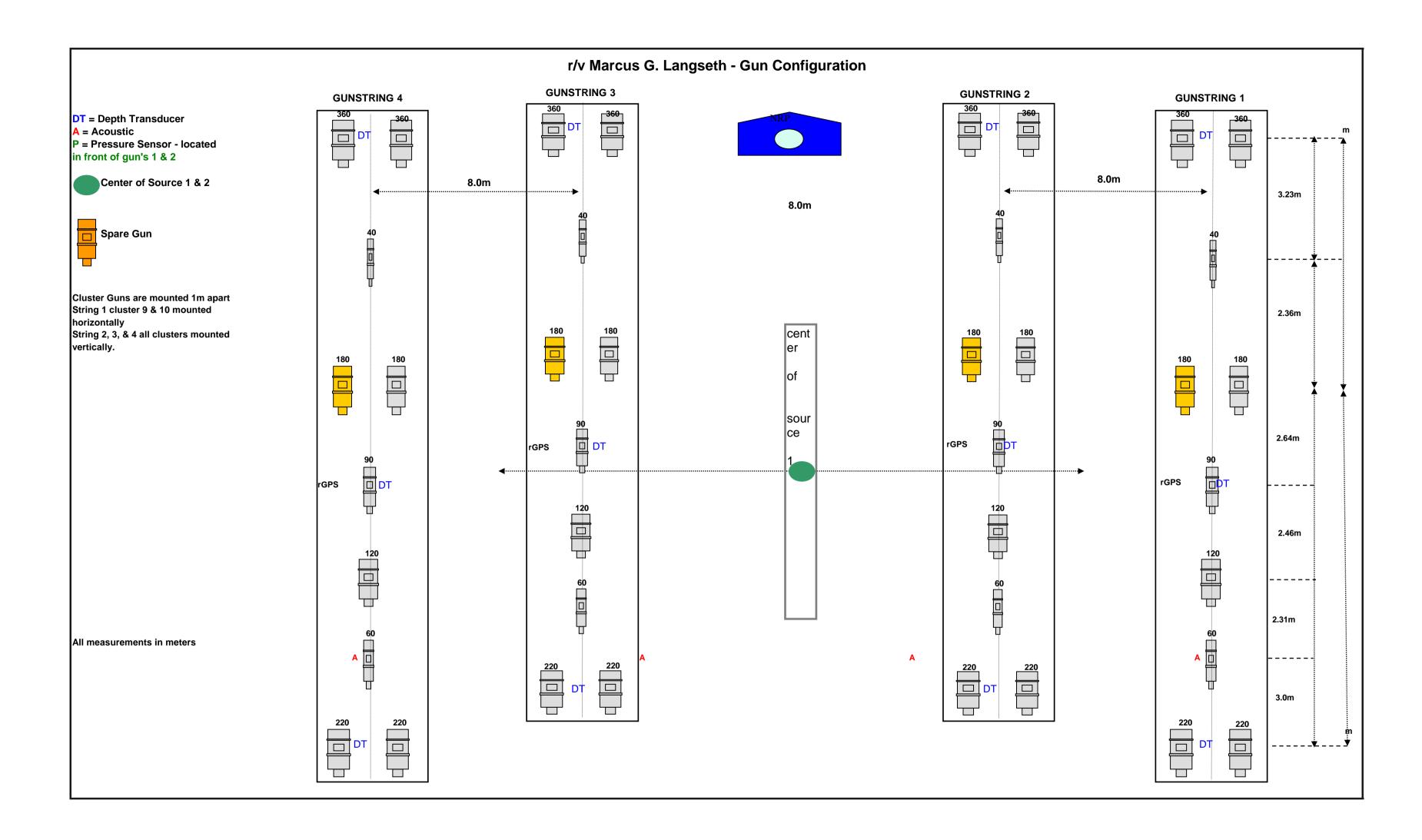




Note: All Echosounders are used in Spectra with 6.6m ship's draft correction applied.

			All measurements in meters	
		STBD/PORT (X)	FORE/AFT (Y)	UP/DOWN (Z)
NRP	NAVIGATION REFERENCE POINT	0.00	0.00	0.00
V1G1	C-Nav 3050	0.00	0.00	-16.90
V1G2	SeaPath 200	0.00	1.50	-16.90
V1G3	C-Nav 2000	4.87	-15.27	-14.50
V1G4	Pos MV	-1.30	1.20	-16.90
V1R1	PosNet	-1.30	0.00	-16.90
EM122	Multibeam Transducer Array	0.00	20.20	7.49
MRU	Seapath MRU	2.30	-14.16	-4.30
BGM	Bell Gravity Meter	4.40	-13.10	-3.49

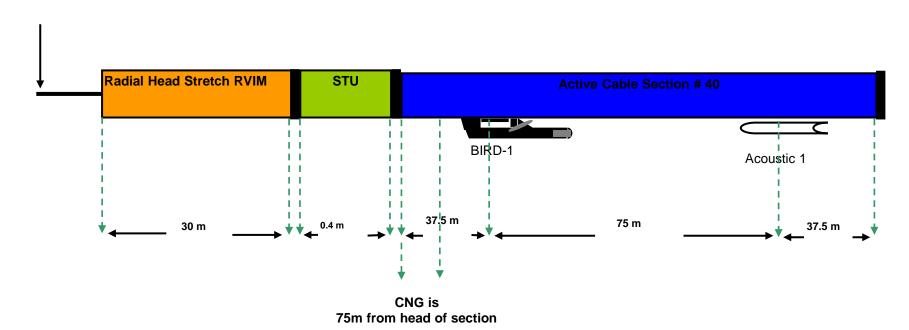




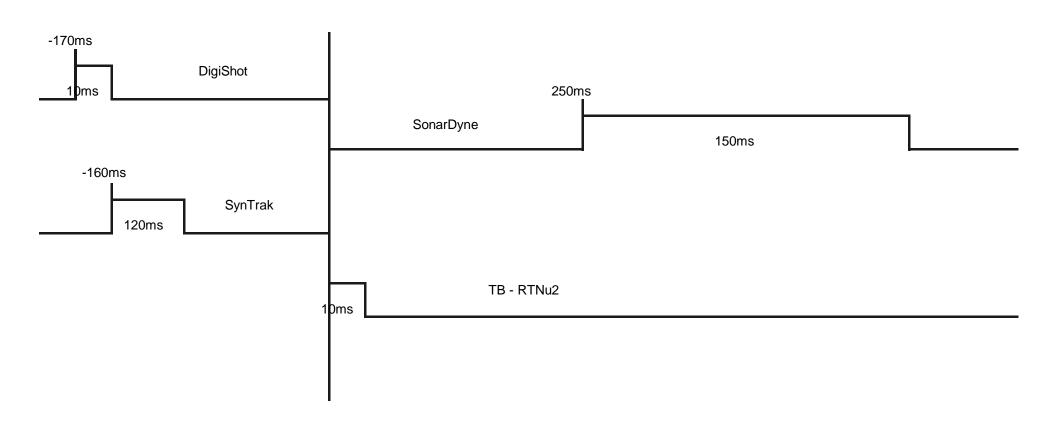
### R/V Marcus G. Langseth - Streamer Front End



Outer = 505m Inner = 465m



#### **TO Shot Predict**



## Spectra timing for r/v Marcus G. Langseth

