

Company : LDEO
Vessel : Marcus G.Langseth
Client : NSF

Project : MGL1208
Area : Line Islands Coring Cruise
Start Date : 01 May 2012



[Vessel Sensor Offsets](#)

[Towing Offsets](#)

[Gun Array Offsets](#)

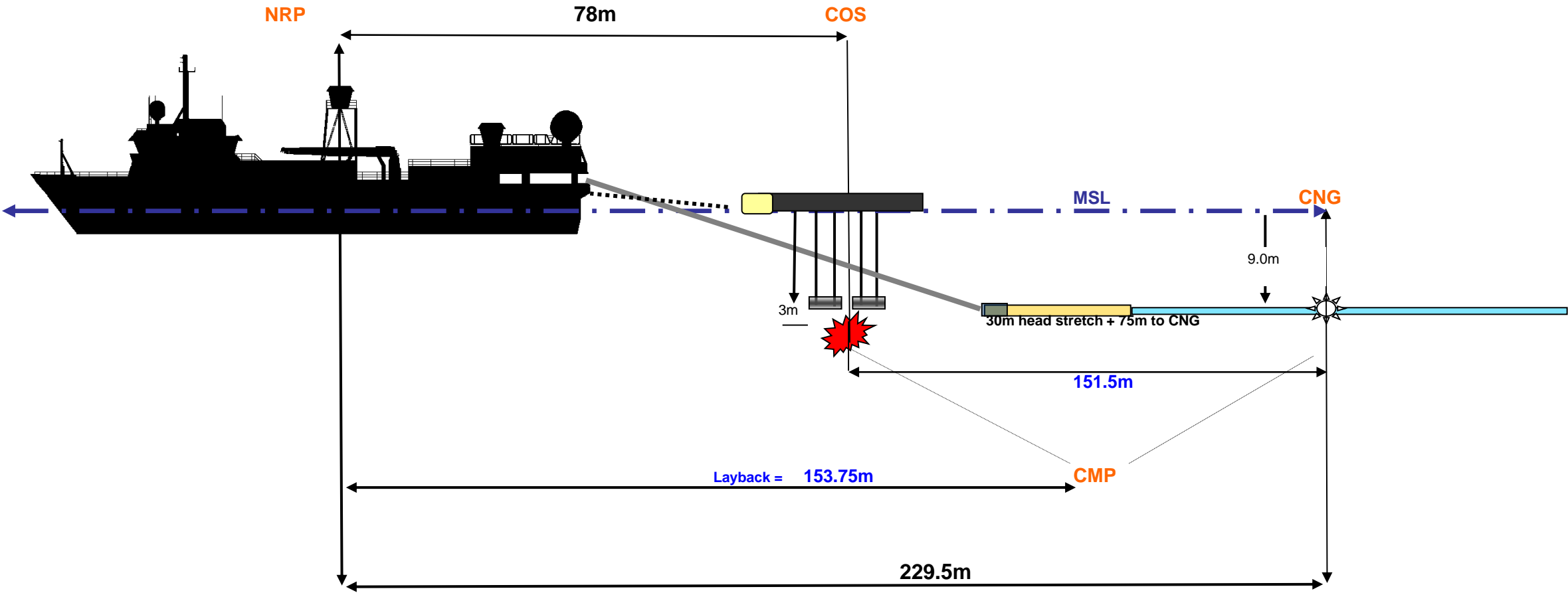
[Streamer Front End](#)

[Timing Langseth](#)

[Timing Spectra](#)



R/V Marcus G. Langseth - Towing Offsets - Gun String 4 at 9m



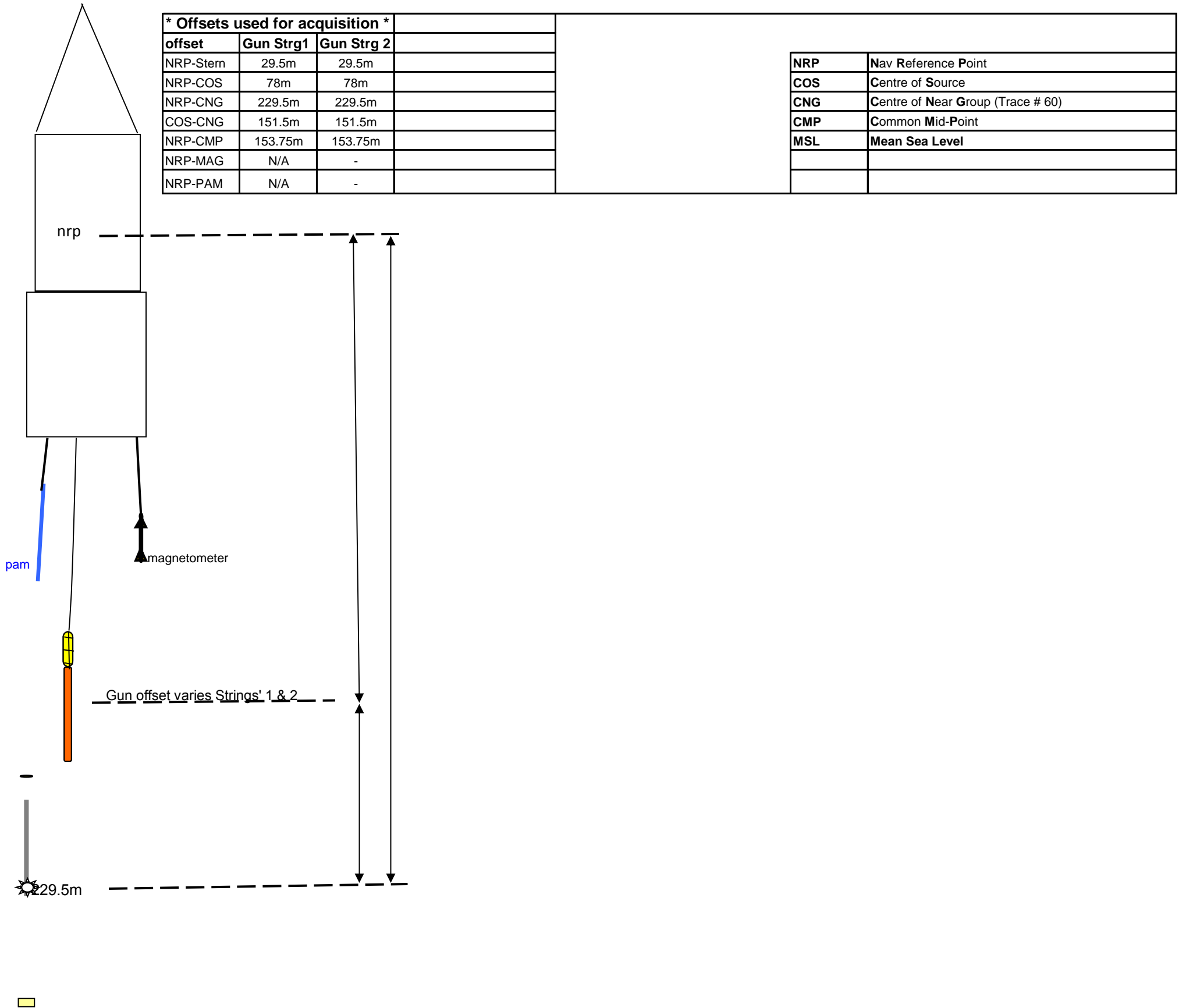
** Offsets used for acquisition of Source String 4 **					
NRP-Stern	29.50	m		NRP	Nav Reference Point
NRP-COS	78.00	m		COS	Centre of Source
NRP-CNG	229.50	m		CNG	Centre of Near Group (Trace # 468)
COS-CNG	151.50	m		CMP	Common Mid-Point
NRP-CMP	153.75	m		MSL	Mean Sea Level

All measurements in meters

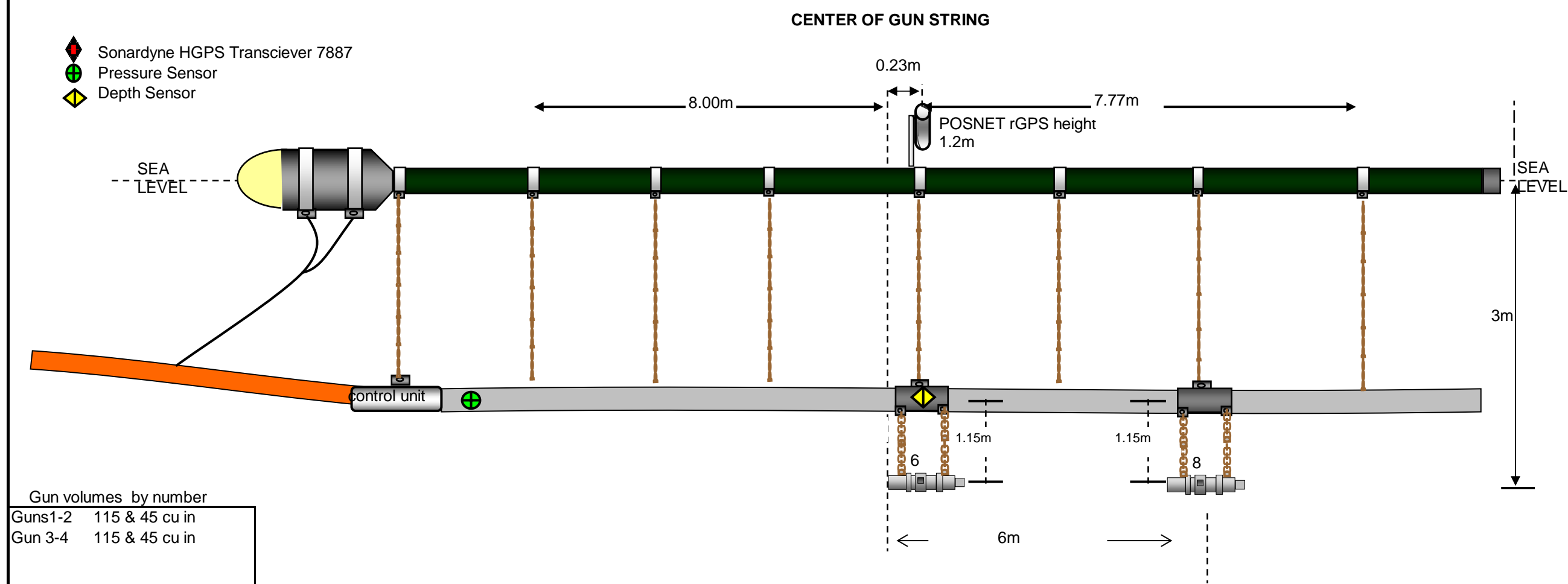
R/V Marcus G. Langseth "tow" configuriiti

R/V Marcus Langseth
1 x 8000
4 Gunstrings

NOT to Scale



R/V Marcus G. Langseth - Gun Array Offsets



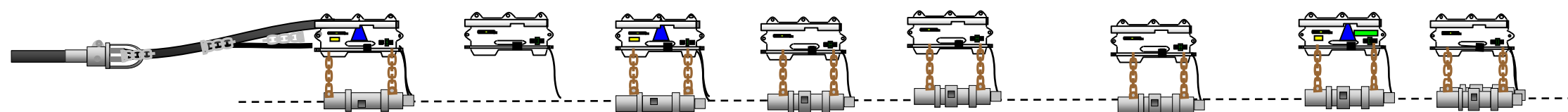
Gun volumes by number	
Guns1-2	115 & 45 cu in
Gun 3-4	115 & 45 cu in

Array total volume is 1830 cubic inches.
Gun clusters have 0.75m between guns and hang 0.95m from center of hanger
Cluster Guns are 1m apart. Single guns hang from hanger 1.15m

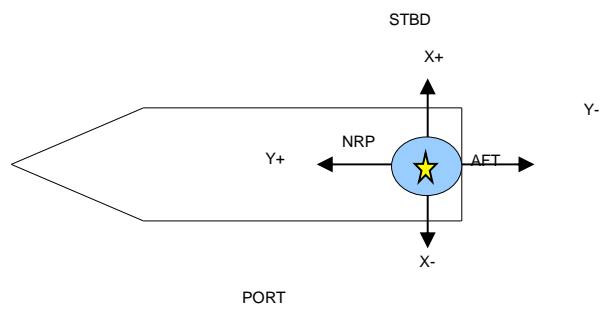
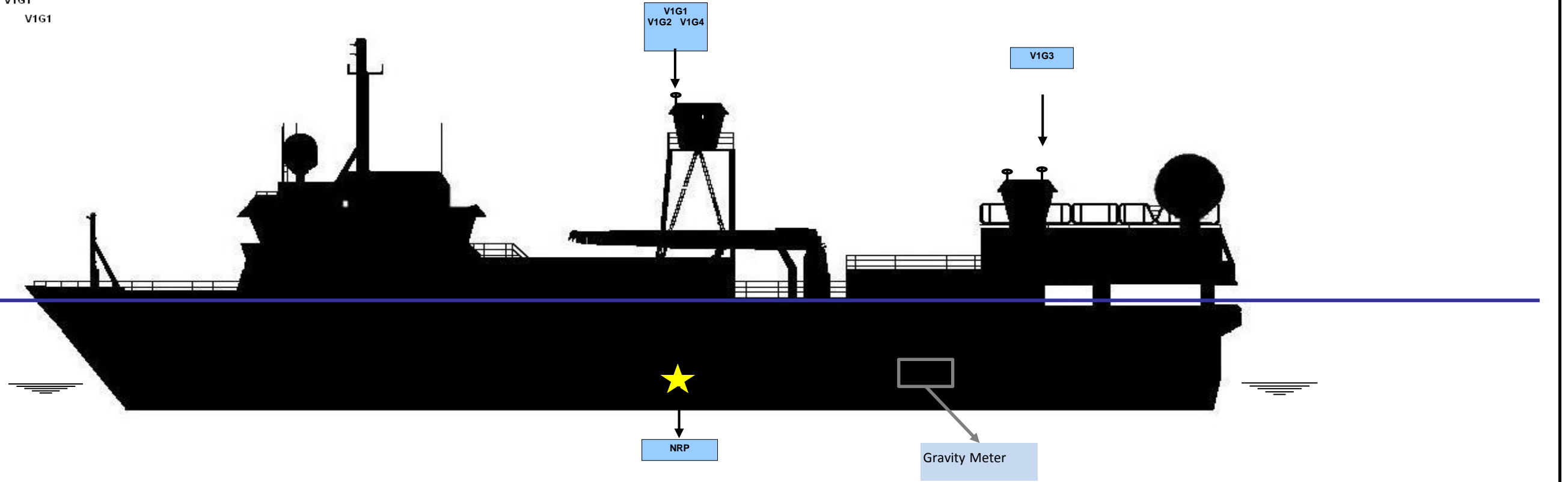
NOTE: Depth Offset's used 9meter and 6meter
Use "Seismic Configuration per Sequence form for descrimination"
NOTE: drawing not to scale

All measurements in meters

All gun volumes, numbering, locations, and offsets were inspected and verified by Chief Source Mechanic.



V1G1
V1G1



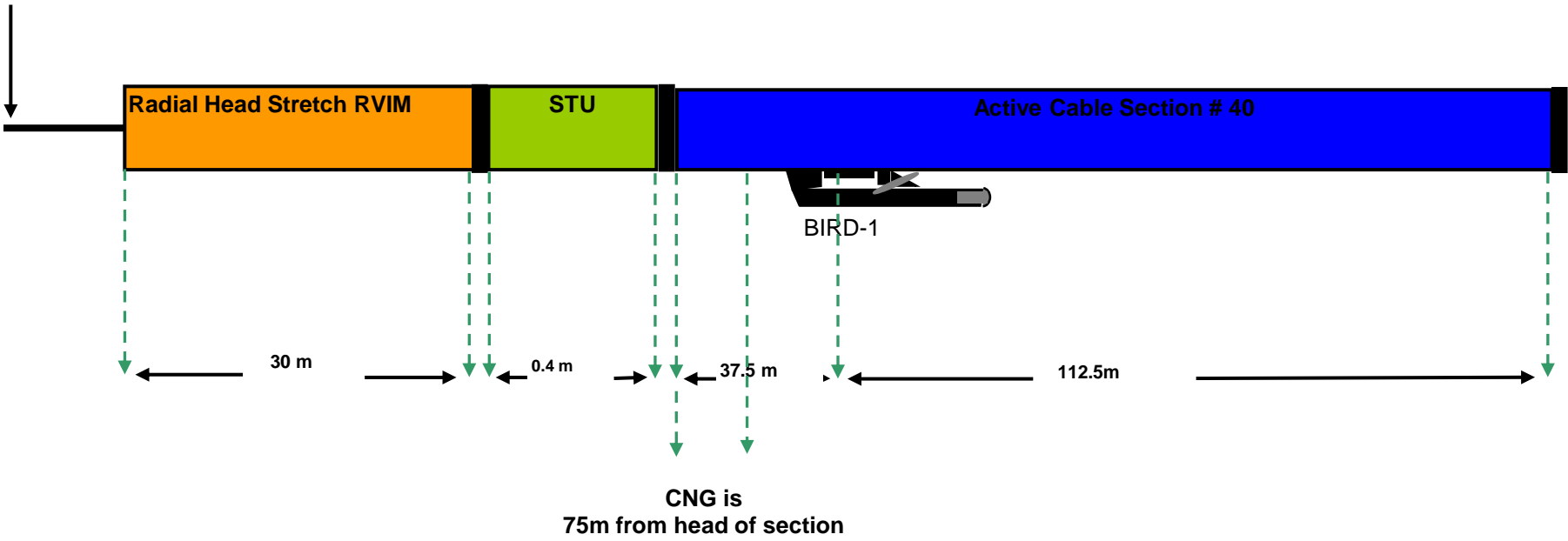
Note: All Echosounders are used in Spectra with 6.6m ship's draft correction applied.

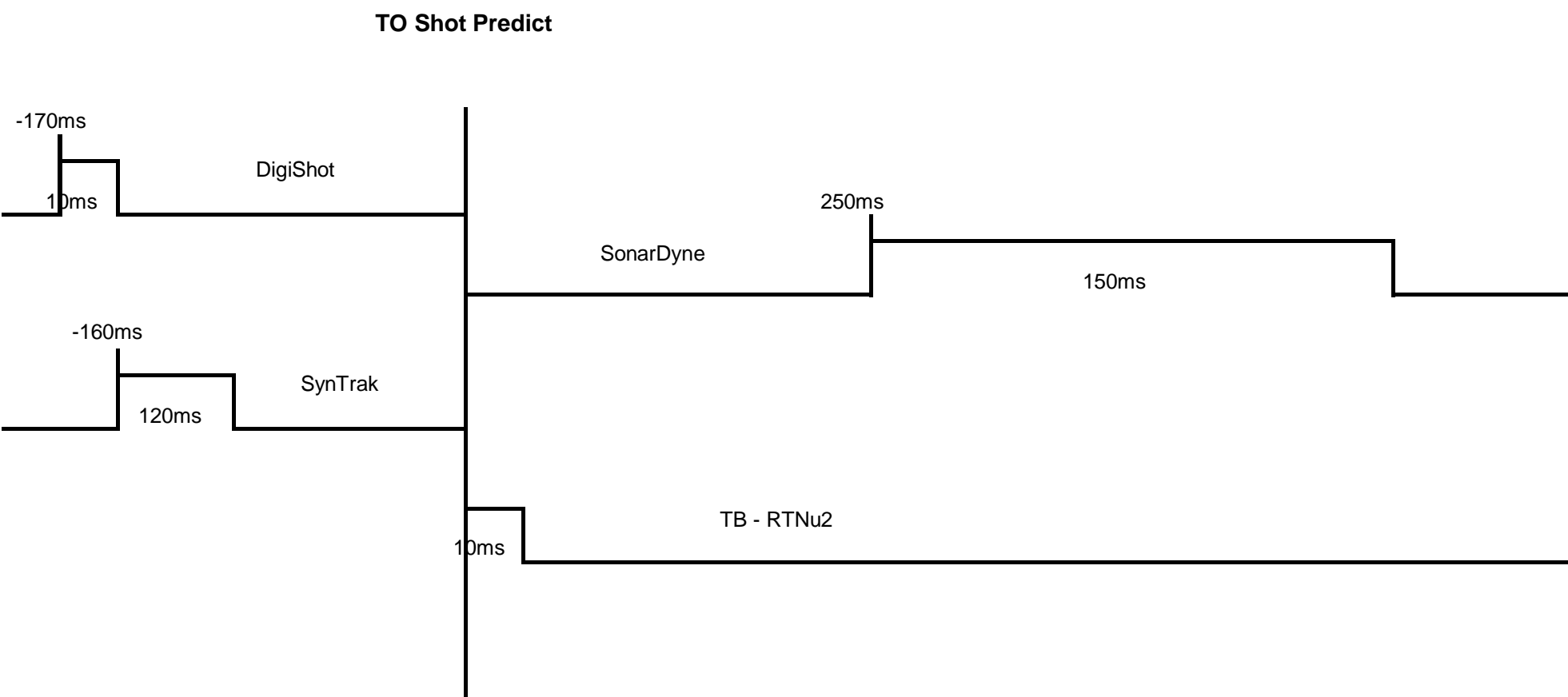


All measurements in meters				
		STBD/PORT (X)	FORE/AFT (Y)	UP/DOWN (Z)
NRP	NAVIGATION REFERENCE POINT	0.00	0.00	0.00
V1G1	C-Nav 3050	0.00	0.00	-16.90
V1G2	SeaPath 200	0.00	1.50	-16.90
V1G3	C-Nav 2000	4.87	-15.27	-14.50
V1G4	Pos MV (N/A)	0.00	1.20	-16.90
V1R1	PosNet	-1.30	0.00	-16.90
EM122	Multibeam 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

Lead-in:
Outer = 505m
Inner = 465m





Spectra timing for r/v Marcus G. Langseth

