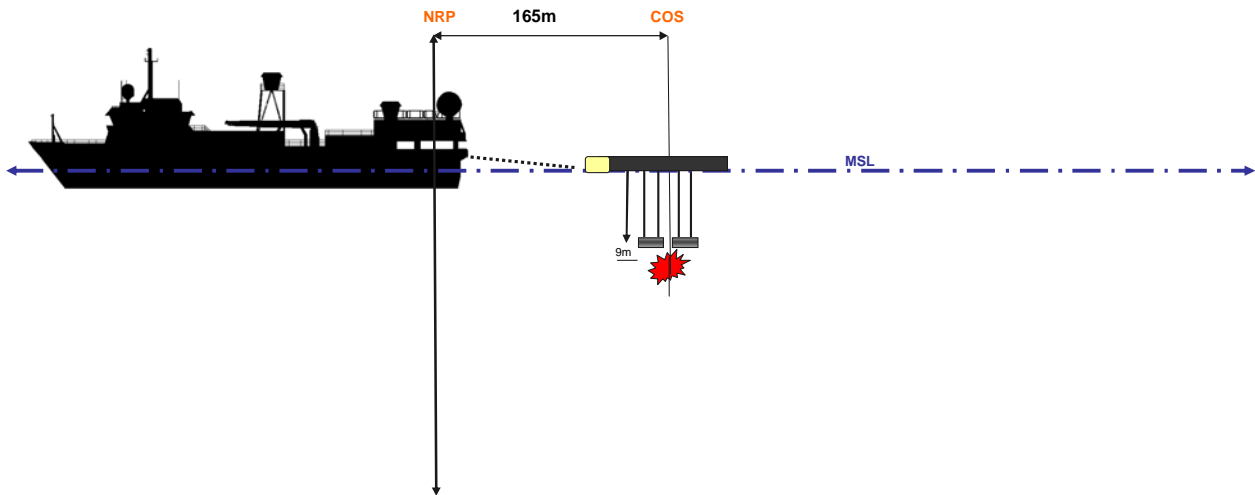


R/V Marcus G. Langseth - Towing Offsets

*** Offsets used for sequences ***



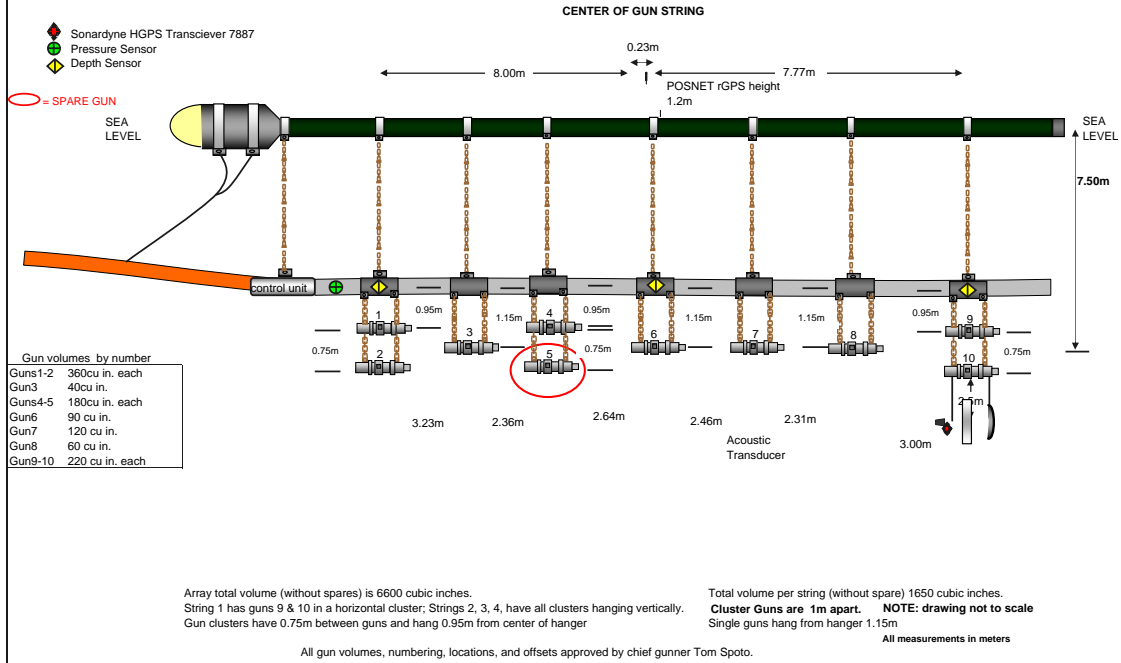
*** Offsets used for acquisition ***

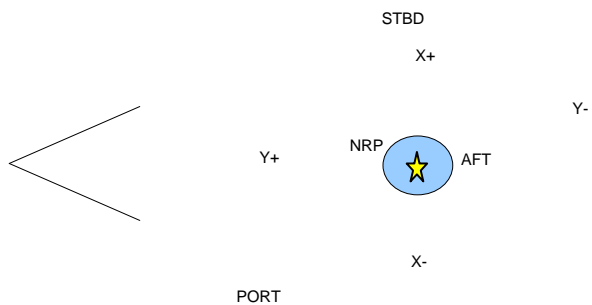
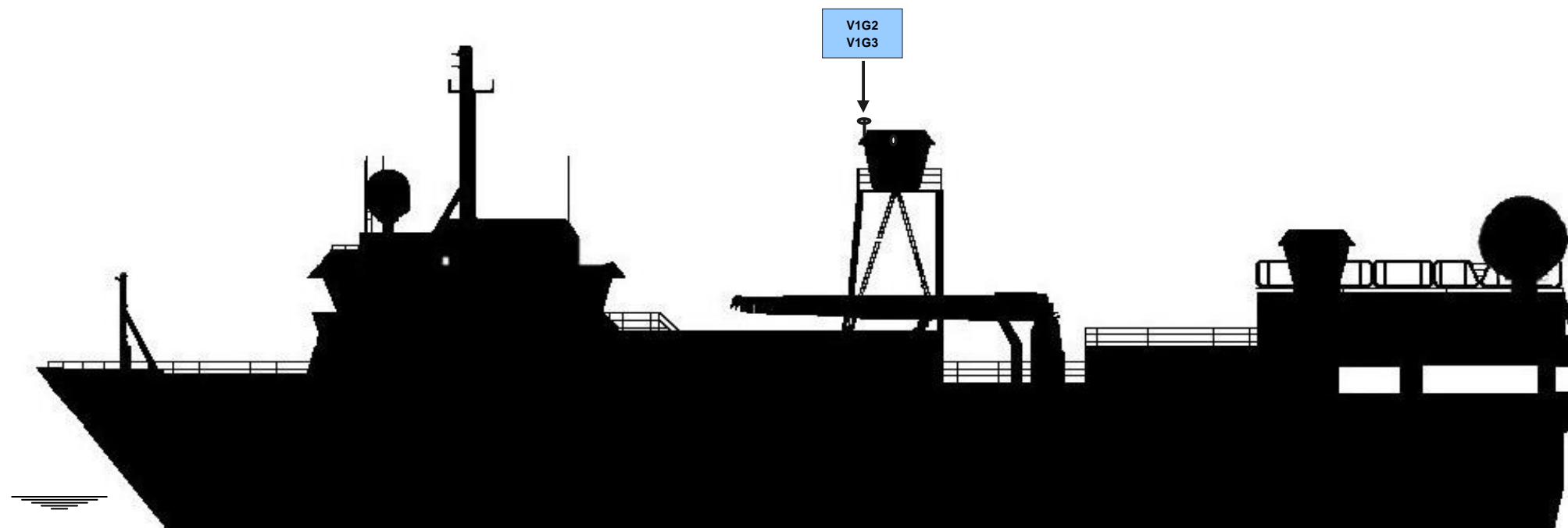
NRP-Stern	4.20 m	
NRP-COS	165.00 m	
NRP-CNG	na	
COS-CNG	na	
NRP-CMP	na	

NRP	Nav Reference Point
COS	Centre of Source
CNG	Centre of Near Group (Trace # 001)
CMP	Common Mid-Point
MSL	Mean Sea Level

All measurements in meters

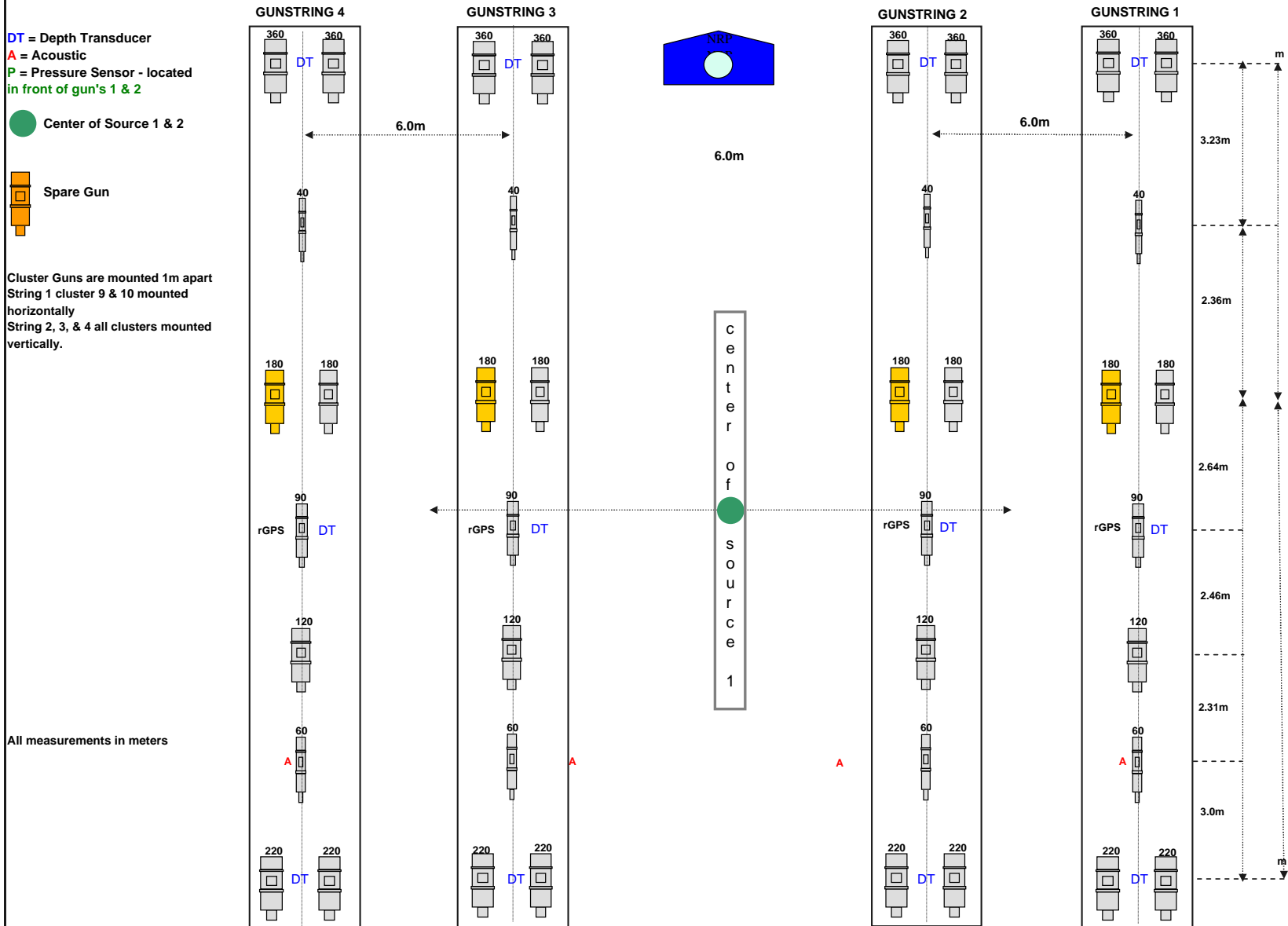
R/V Marcus G. Langseth - Gun Array Offsets





NRP	NAVIGATION REFERENCE
V1G1	C-Nav
V1G2	SeaPath 200
V1G3	Pos MV
V1G4	PosNet
V1R1	PosNet

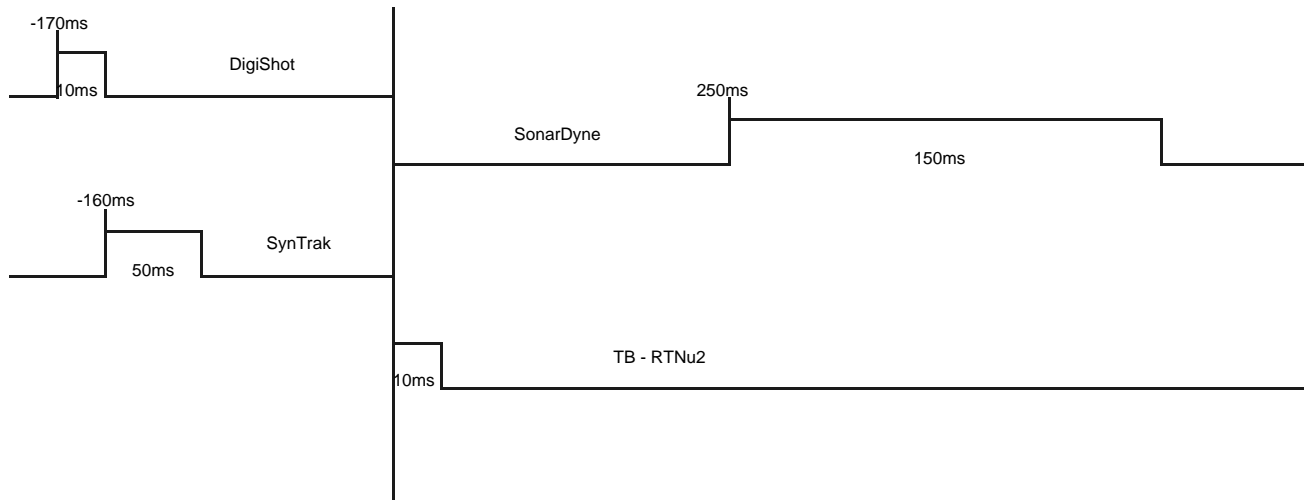
r/v Marcus G. Langseth - Gun Configuration



MGL0814

Gulick

TO Shot Predict



Spectra timing for r/v Marcus G. Langseth

