

HydroScat-2 Calibration Certification

Cert Date: **May 19, 2012**

Serial Number: **H2070752**

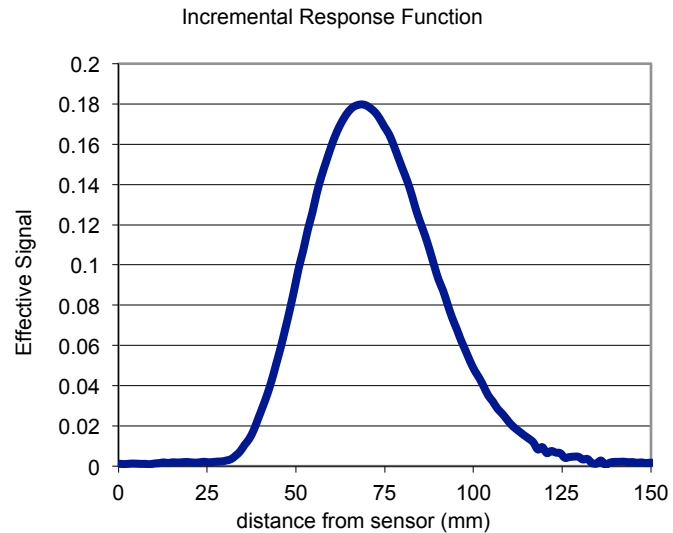
Configuration: **B0T1F1**

Technician: **SM**

Channel 1: bb420

mu:	42.74
mu Rho:	1.1
SigmaExp:	0.149
TempCoeff:	-0.0007

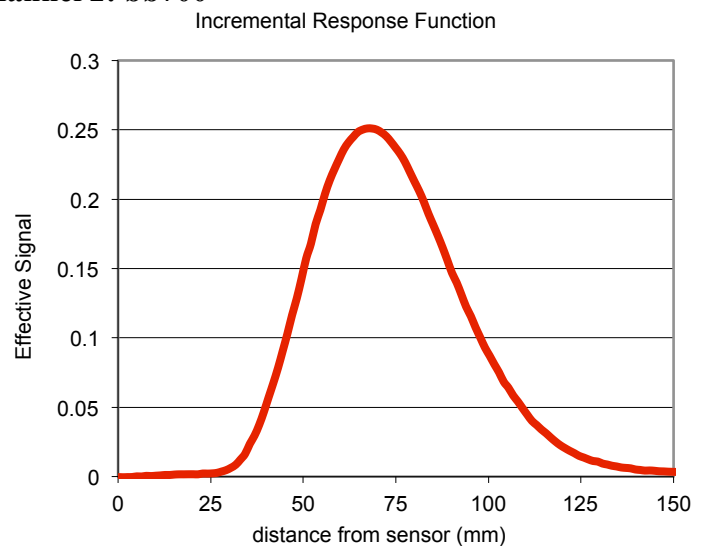
	Gain Factor	Dark Offset
Gain 1:	1.000	21
Gain 2:	9.557	11
Gain 3:	94.769	16
Gain 4:	863.91	28
Gain 5:	9585.6	68

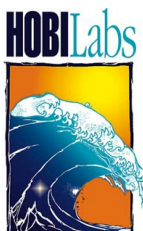


Channel 2: bb700

mu:	27.51
mu Rho:	1.1
SigmaExp:	0.152
TempCoeff:	0

	Gain Factor	Dark Offset
Gain 1:	1.000	2
Gain 2:	9.551	4
Gain 3:	94.311	13
Gain 4:	858.75	12
Gain 5:	9685.4	43





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Depth Calibration

Technician:

SM

Date:

5/19/12

Coefficient:

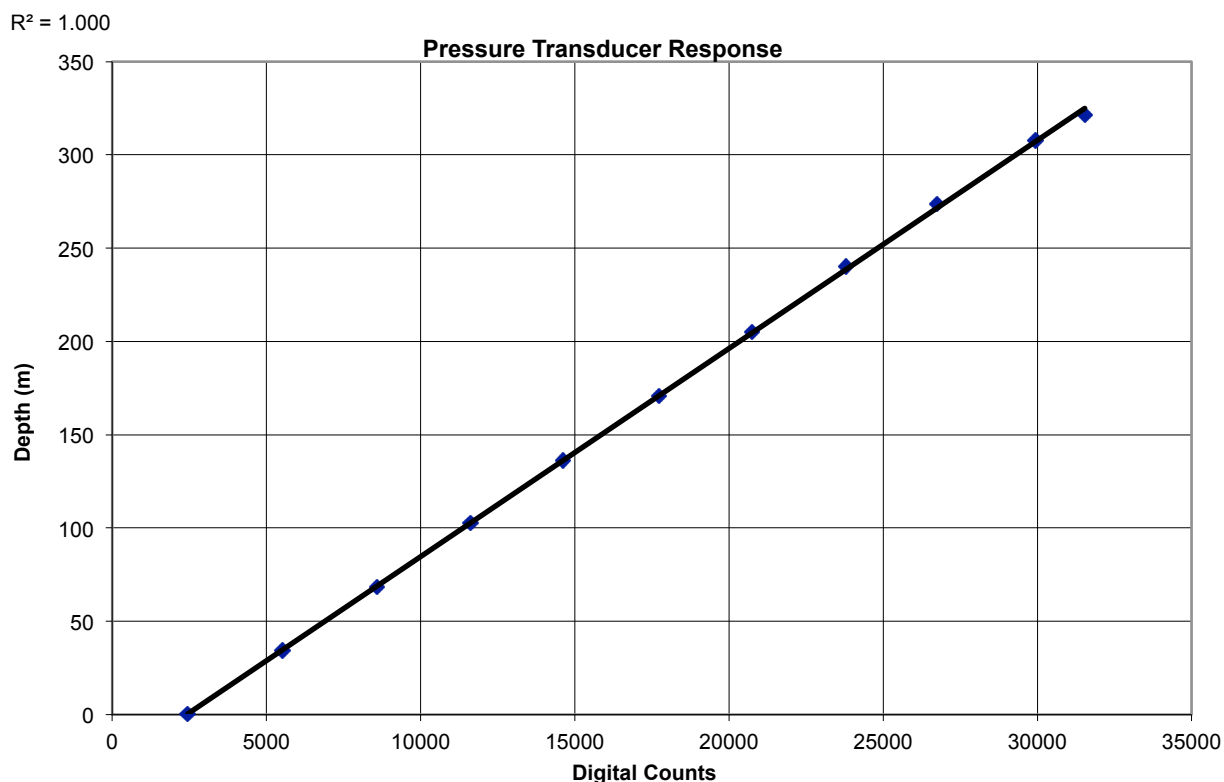
0.0112

meter / count

Offset:

27.5

meters



HOBILabs, Inc. certifies that this instrument was carefully calibrated and thoroughly tested for scientific accuracy and proper operating condition at our facility. The backscattering calibration was performed according to the methodology detailed in "Instruments and methods for measuring the backward-scattering coefficient of ocean waters," *Appl. Opt.*, **36**, 6057-6067, using a NIST-traceable reflectance standard.