

HydroScat-2 Calibration Certification

Cert Date: **July 31, 2010**

Serial Number: **H2070752**

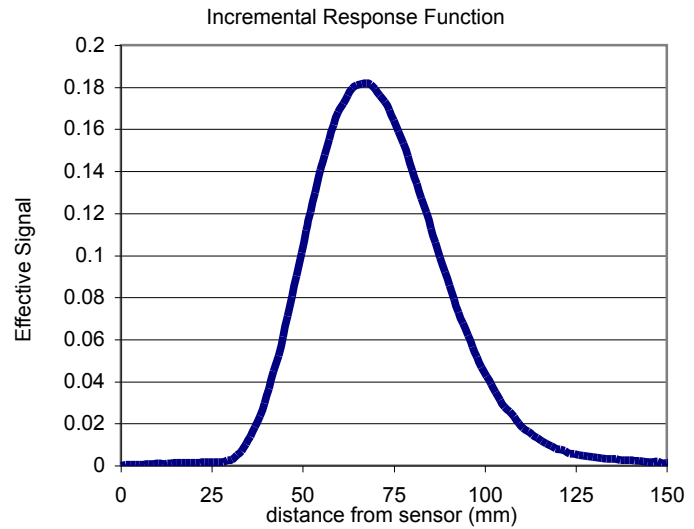
Configuration: **B0T1F1**

Technician: **CE**

Channel 1: bb420

mu:	41.73
mu Rho:	1.1
SigmaExp:	0.147
TempCoeff:	-0.0007

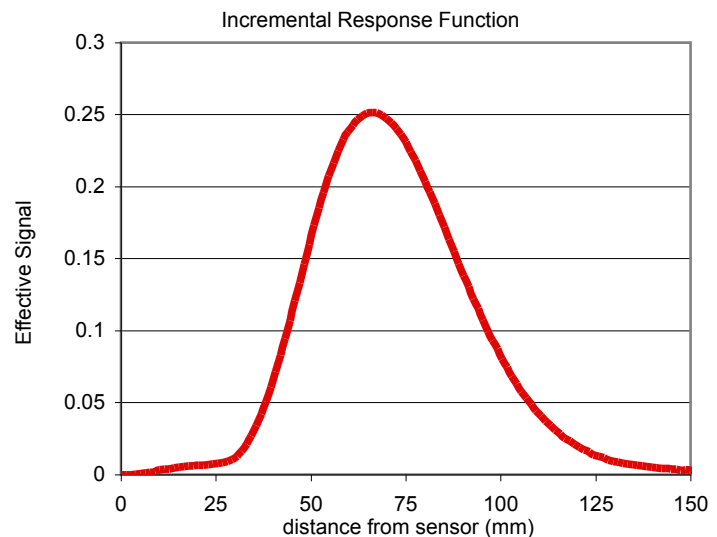
	Gain Factor	Dark Offset
Gain 1:	1.000	12
Gain 2:	9.507	10
Gain 3:	93.870	12
Gain 4:	856.20	18
Gain 5:	9498.5	63

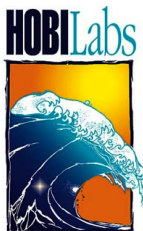


Channel 2: bb700

mu:	26.61
mu Rho:	1.1
SigmaExp:	0.148
TempCoeff:	0

	Gain Factor	Dark Offset
Gain 1:	1.000	6
Gain 2:	9.575	0
Gain 3:	93.930	8
Gain 4:	863.41	26
Gain 5:	9718.1	102





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Depth Calibration

Technician:

CE

Date:

7/31/10

Coefficient:

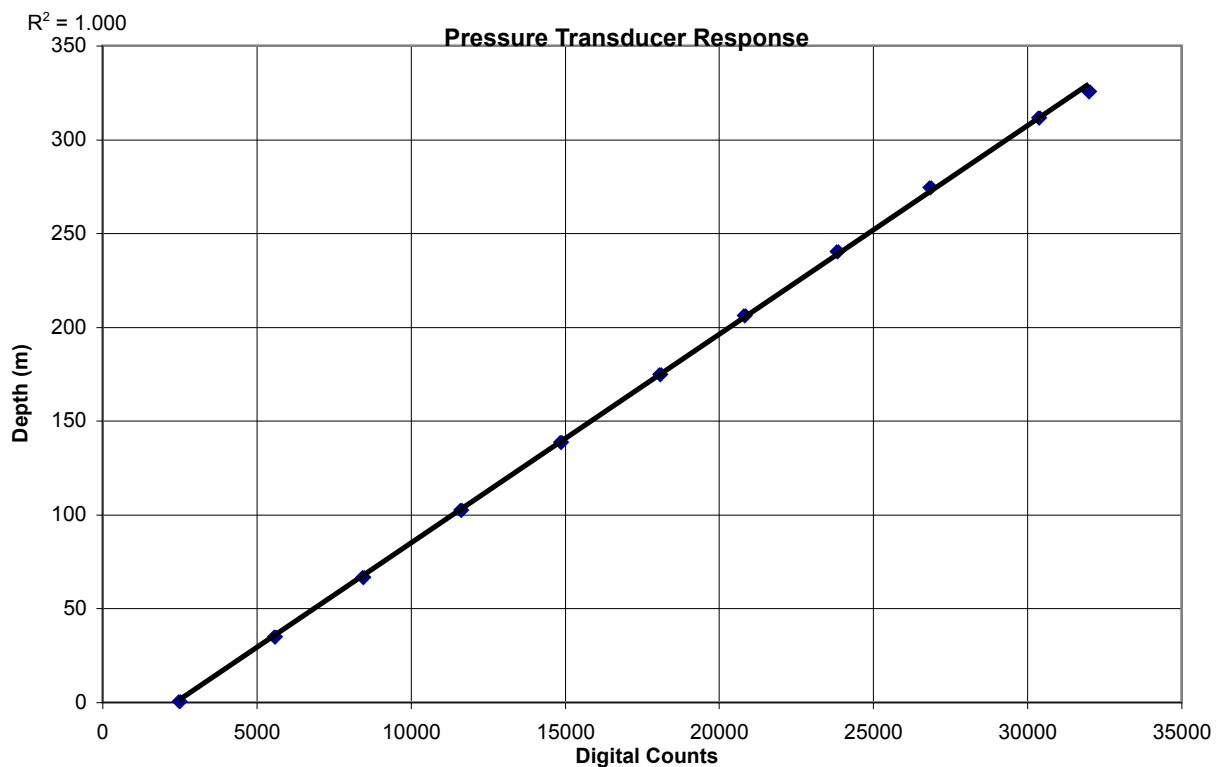
0.0111

meter / count

Offset:

27.7

meters



HOBI Labs, 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.