

HydroScat-2 Calibration Certification

Cert Date: **July 31, 2010**

Serial Number: **H2010337**

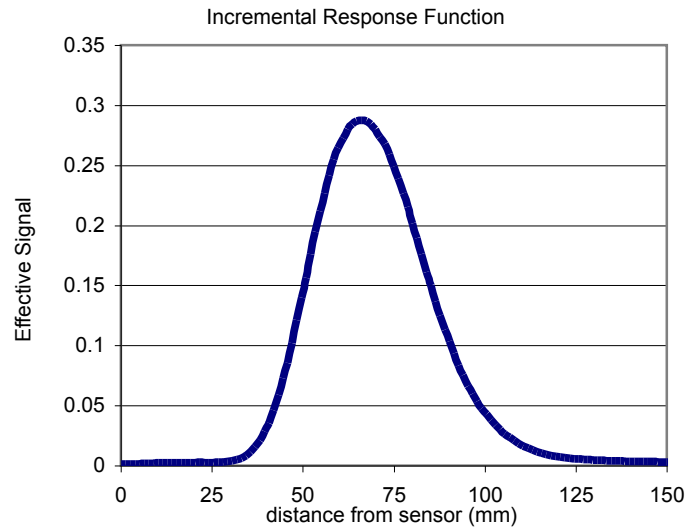
Configuration: **W1B1R0F0S0T1I2**

Technician: **CE**

Channel 1: bb420

mu:	30.07
mu Rho:	1.1
SigmaExp:	0.145
TempCoeff:	-0.0028

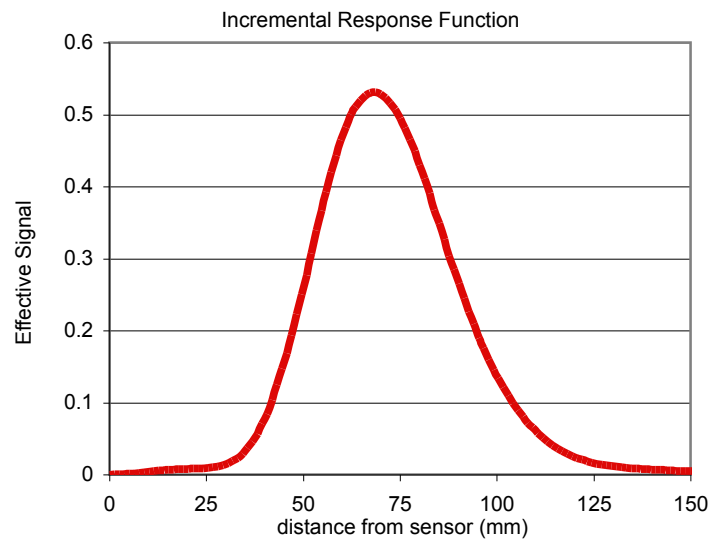
	Gain Factor	Dark Offset
Gain 1:	1.000	27
Gain 2:	9.510	25
Gain 3:	93.456	24
Gain 4:	931.04	25
Gain 5:	9544.2	7

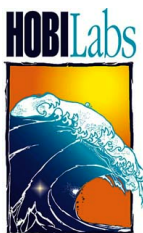


Channel 2: bb700

mu:	14.4
mu Rho:	1.1
SigmaExp:	0.149
TempCoeff:	-0.0008

	Gain Factor	Dark Offset
Gain 1:	1.000	23
Gain 2:	9.521	24
Gain 3:	93.653	21
Gain 4:	932.68	20
Gain 5:	9725.0	5





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Depth Calibration

Technician:

CE

Date:

7/31/10

Coefficient:

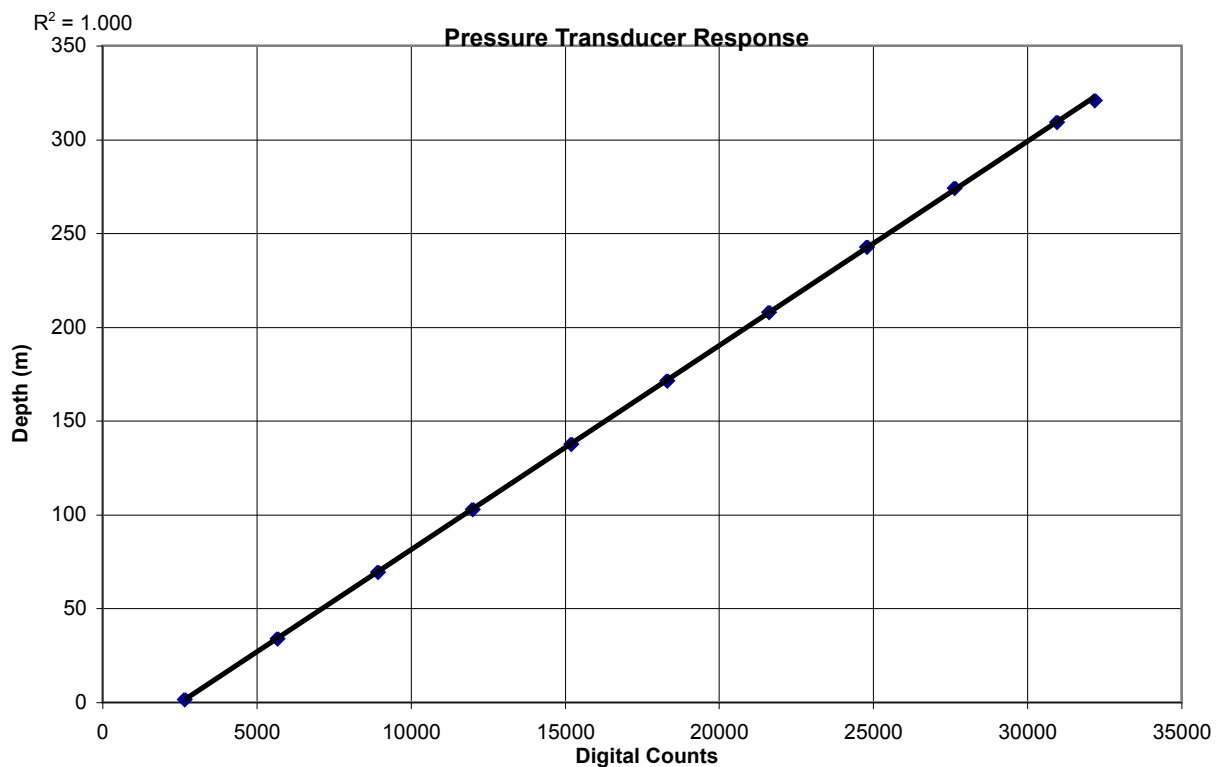
0.0109

meter / count

Offset:

28.0

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.