

HydroScat-2 Calibration Certification

Cert Date: **October 13, 2011**

Serial Number: **H2010334**

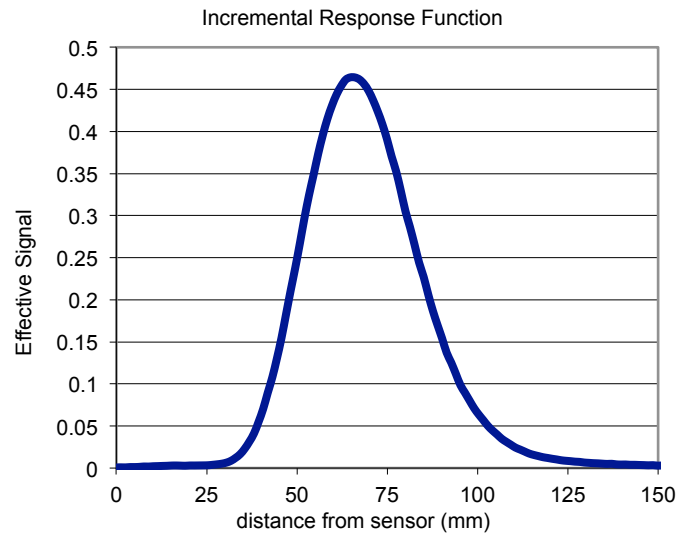
Configuration: **W1B1R0F0S0T112**

Technician: **DRD**

Channel 1: bb420

mu:	18.88
mu Rho:	1.1
SigmaExp:	0.144
TempCoeff:	-0.001778

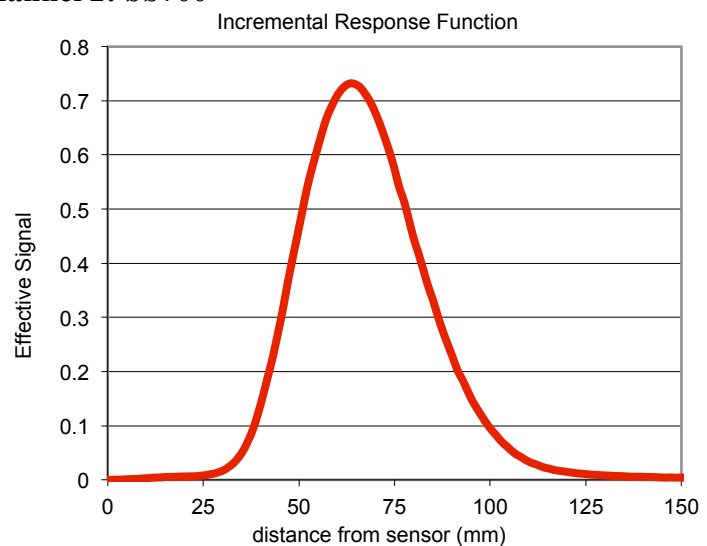
	Gain Factor	Dark Offset
Gain 1:	1.000	14
Gain 2:	9.476	16
Gain 3:	92.953	12
Gain 4:	931.28	16
Gain 5:	9658.4	-5

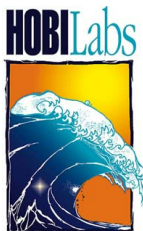


Channel 2: bb700

mu:	11.68
mu Rho:	1.1
SigmaExp:	0.141
TempCoeff:	-0.001625

	Gain Factor	Dark Offset
Gain 1:	1.000	7
Gain 2:	9.524	9
Gain 3:	95.147	10
Gain 4:	935.44	-8
Gain 5:	9877.4	-111





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Configuration: **W1B1R0F0S0T1I2**

Depth Calibration

Technician:

DRD

Date:

H201334

Coefficient:

0.0108

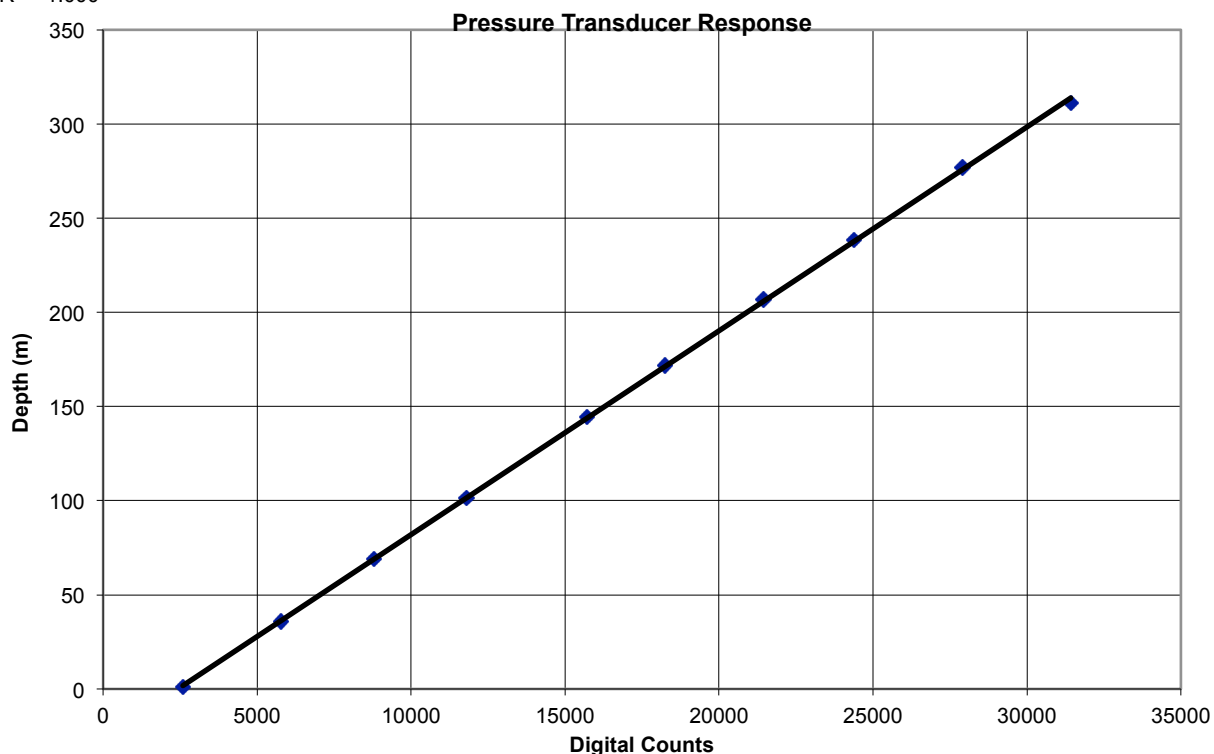
meter / count

Offset:

27.2

meters

$R^2 = 1.000$



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.