Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0987 CALIBRATION DATE: 11-Feb-14

SBE 39 PRESSURE CALIBRATION DATA 508 psia S/N 1327

COEFFICIENTS:

PA0 =	8.130603e-002	PTCA0	=	2.346775e+001
PA1 =	2.426652e-002	PTCA1	=	3.205331e-001
PA2 =	1.627750e-009	PTCA2	=	-7.661413e-003
PTHA0 =	-6.170501e+001	PTCB0	=	2.485063e+001
PTHA1 =	5.019851e-002	PTCB1	=	-2.750000e-004
PTHA2 =	-8.895363e-008	PTCB2	=	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	PRESS TEMP	INST OUTPUT
404.94 504.94 404.94 304.94	627.5 4344.3 8460.8 12575.3 16687.5 20797.2 16689.1 12577.1	1663.0 1665.0 1667.0 1667.0 1668.0 1667.0 1668.0	14.66 104.91 204.91 304.92 404.93 504.93 404.97 304.96	0.00 -0.00 -0.00 -0.00 -0.00 -0.00 0.00	-1.50 1.00 4.50 8.00 11.50 15.00 18.50 22.00 25.50 29.00	1201.90 1252.10 1321.90 1391.80 1462.00 1532.20 1602.40 1672.60 1742.70 1812.60	636.80 637.18 638.13 639.03 639.55 640.18 640.44 640.46 640.33 639.80
204.94 104.94 14.66	8462.6 4345.3 628.0	1668.0 1668.0 1669.0	204.95 104.93 14.67	0.00 -0.00 0.00	32.50 TEMP(I -5. 35.	00	639.25 SPAN(mV) 24.85 24.84

y = thermistor output; $t = PTHA0 + PTHA1 * y + PTHA2 * y^2$ x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2 n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2) pressure (psia) = PA0 + PA1 * n + PA2 * n^2

