Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3759 CALIBRATION DATE: 02-Mar-15

SBE 39 PRESSURE CALIBRATION DATA 870 psia S/N 2373768

COEFFICIENTS:

PA0 =	7.114774e-002	PTCA0 =	4.879078e+001
PA1 =	4.103805e-002	PTCA1 =	2.210836e-001
PA2 =	5.881505e-009	PTCA2 =	-6.231998e-003
PTHA0 =	-7.581233e+001	PTCB0 =	2.544213e+001
PTHA1 =	4.981434e-002	PTCB1 =	-5.750000e-004
PTHA2 =	-3.927216e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

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PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	PRESS TEMP	INST OUTPUT
14.61	405.3	1 2032.0	14.63	0.00	-1.50	1509.80	420.00
179.89	4426.6	6 2037.0	179.87	-0.00	1.00	1561.10	420.46
359.90	8802.6	5 2038.0	359.89	-0.00	4.50	1633.30	
					8.00	1705.30	421.51
539.90	13173.	5 2039.0	539.92	0.00	11.50	1777.80	422.01
719.91	17538.	1 2039.0	719.92	0.00	15.00	1850.10	422.10
869.90	21169.9	9 2040.0	869.87	-0.00	18.50	1922.40	422.31
719.91	17538.6	5 2039.0	719.94	0.00	22.00	1994.90	422.03
					25.50	2067.20	422.01
539.92	13173.	5 2039.0	539.93	0.00	29.00	2140.40	421.41
359.92	8803.0	0 2039.0	359.90	-0.00	32.50	2212.90	420.76
179.91	4427.2	2 2038.0	179.89	-0.00			
14.61	405.0	2039.0	14.63	0.00	TEMP(I	TS90)	SPAN(mV)
==•••	1001			2.00	-5	.00	25.45
					35	.00	25.42

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

