Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1574 CALIBRATION DATE: 03-Mar-15

SBE 39 PRESSURE CALIBRATION DATA 508 psia S/N 4088

COEFFICIENTS:

PA0 =	7.279769e-002	PTCA0 =	6.224353e+001
PA1 =	2.399035e-002	PTCA1 =	3.443784e-001
PA2 =	1.887078e-009	PTCA2 =	-9.239466e-003
PTHA0 =	-9.453502e+001	PTCB0 =	2.515488e+001
PTHA1 =	4.480721e-002	PTCB1 =	1.175000e-003
PTHA2 =	-3.332000e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE PSIA	INST TOUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	PRESS TEMP	INST OUTPUT	
14.73	677.3	2675.0	14.74	0.00	-1.50	2109.60	694.20	
105.02	4442.1	2676.0	105.00	-0.00	1.00	2167.00	694.90	
205.02	8611.5	2676.0	205.02	-0.00	4.50	2247.70	695.78	
					8.00	2328.60	696.57	
305.02	12777.5	2677.0	305.02	-0.00	11.50	2409.60	697.20	
405.03	16941.1	2677.0	405.03	0.00	15.00	2490.70	697.51	
505.03	21101.2	2677.0	505.02	-0.00	18.50	2572.00	697.63	
405.03	16941.6	2677.0	405.04	0.00	22.00	2653.10	698.10	
					25.50	2734.70	697.53	
305.03	12778.3	2677.0	305.04	0.00	29.00	2816.10	696.78	
205.02	8611.8	2677.0	205.02	0.00	32.50	2897.40	695.73	
105.02	4442.7	2677.0	105.01	-0.00				
14.73	677.0	2677.0	14.73	0.00	TEMP(ITS90) SPAN(r		SPAN(mV)	
					-5.0	0	25.15	
					35.0	0	25.20	

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

