Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1624
CALIBRATION DATE: 07-Dec-11

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5503

COEFFICIENTS:

PA0 =	6.303832e-002	PTCA0 =	2.941499e+001
PA1 =	2.397282e-002	PTCA1 =	3.287180e-001
PA2 =	1.538396e-009	PTCA2 =	-9.499501e-003
PTHA0 =	-8.917867e+001	PTCB0 =	2.507613e+001
PTHA1 =	4.564320e-002	PTCB1 =	-1.750000e-004
PTHA2 =	-3.046107e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FSR
14.83	648.3	2478.0	14.84	0.00
105.05	4407.7	2485.0	105.01	-0.01
205.05	8576.4	2486.0	205.04	-0.00
305.06	12741.9	2486.0	305.05	-0.00
405.07	16905.4	2487.0	405.07	-0.00
505.07	21065.8	2486.0	505.06	-0.00
405.10	16907.3	2485.0	405.11	0.00
305.10	12744.8	2486.0	305.12	0.00
205.11	8580.0	2485.0	205.13	0.00
105.12	4412.8	2485.0	105.13	0.00
14.83	648.1	2488.0	14.84	0.00

THERMAL CORRECTION

TEMP ITS90	PRESS TEMP	INST OUTPUT
-1.50	1946.50	658.60
4.50	2081.10	660.16
11.50	2239.30	661.54
18.50	2397.50	661.93
25.50	2556.10	661.24
32.50	2715.00	659.70

TEMP(ITS90)	SPAN(mV)
-5.00	25.08
35.00	25.07

y = thermistor output; $t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$

x = pressure output - $PTCA0 - PTCA1 * t - PTCA2 * t^2$

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

pressure (psia) = $PA0 + PA1 * n + PA2 * n^2$