Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 16-Jan-12

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5754

COEFFICIENTS:

PA0 =	5.316813e-001	PTCA0 =	-2.242484e+002
PA1 =	6.888249e-002	PTCA1 =	4.426598e-001
PA2 =	-4.027451e-009	PTCA2 =	-4.014048e-003
		PTCB0 =	2.476912e+001
		PTCB1 =	-7.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.66	-11.4	21.7	14.67	0.00
314.99	4346.7	22.0	314.99	-0.00
615.01	8702.0	22.0	614.96	-0.00
914.98	13060.3	22.0	914.99	0.00
1215.02	17420.9	22.0	1215.02	0.00
1465.05	21056.0	22.0	1465.02	-0.00
1215.00	17421.2	22.1	1215.04	0.00
914.98	13060.8	22.1	915.02	0.00
615.01	8702.7	22.1	615.01	-0.00
315.02	4347.0	22.1	315.01	-0.00
14.65	-11.5	22.3	14.65	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	1.74	-5.00	24.77
29.00	0.90	35.00	24.74
24.00	-0.05		
18.50	-1.59		
15.00	-2.80		
4.50	-6.50		
1.00	-8.03		

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