Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 07-Dec-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5751

COEFFICIENTS:

PA0 = 4.081282e-001	
PA1 = 6.731177e-002	PTCA0 = -1.895870e+002
PA2 = -3.028896e-009	PTCA1 = 2.014303e-001
	PTCA2 = 3.092581e-003
	PTCB0 = 2.540563e+001
	PTCB1 = 1.250000e-004
	PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.82	30.8	22.4	14.83	0.00
315.11	4492.9	22.6	315.08	-0.00
615.11	8953.0	22.6	615.08	-0.00
915.12	13415.1	22.6	915.09	-0.00
1215.14	17879.5	22.6	1215.13	-0.00
1465.19	21601.0	22.5	1465.16	-0.00
1215.13	17880.2	22.5	1215.18	0.00
915.09	13415.6	22.5	915.13	0.00
615.10	8953.6	22.6	615.12	0.00
315.13	4493.7	22.6	315.13	0.00
14.82	30.7	22.7	14.82	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	45.89	-5.00	25.41
29.00	44.83	35.00	25.41
24.00	43.10		
18.50	41.02		
15.00	39.61		
4.50	37.51		
1.00	36.31		

$x = \text{pressure output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$

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

$\text{pressure (psia)} = PA0 + PA1 * n + PA2 * n^2$

Date, Avg Delta P %FS

● 07-Dec-11   0.00