Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 28-Oct-13

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 4979

COEFFICIENTS:

PA0 =	-3.301755e-002	PTCA0 =	9.308773e+001
PA1 =	2.412569e-002	PTCA1 =	2.965108e-002
PA2 =	6.995686e-010	PTCA2 =	-4.049184e-003
		PTCB0 =	2.512800e+001
		PTCB1 =	-1.400000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.56	696.6	22.4	14.58	0.00
104.84	4431.4	22.3	104.81	-0.01
204.85	8570.8	22.2	204.83	-0.00
304.85	12709.0	22.2	304.86	0.00
404.86	16845.3	22.2	404.86	-0.00
504.86	20980.0	22.2	504.84	-0.00
404.86	16846.1	22.3	404.88	0.00
304.86	12710.1	22.3	304.88	0.00
204.86	8571.9	22.3	204.86	0.00
104.85	4432.1	22.3	104.82	-0.01
14.56	696.4	22.7	14.58	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	725.51	-5.00	25.14
29.00	726.22	35.00	25.08
24.00	726.90		
18.50	727.90		
15.00	728.53		
4.50	728.68		
1.00	728.82		

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