SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 04-Jan-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 0799

COEFFICIENTS:

PA0 =	3.979587e-001	PTCA0 =	-1.874413e+002
PA1 =	6.883576e-002	PTCA1 =	3.800534e-001
PA2 =	-5.337483e-009	PTCA2 =	-4.449467e-003
		PTCB0 =	2.486613e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.73	26.6	19.8	14.74	0.00
315.26	4395.9	19.9	315.43	0.01
615.10	8751.1	19.9	614.95	-0.01
915.04	13117.1	19.9	915.01	-0.00
1215.01	17485.6	20.0	1215.04	0.00
1465.07	21127.8	20.0	1465.03	-0.00
1214.99	17485.5	20.0	1215.03	0.00
914.95	13116.8	20.0	914.99	0.00
614.93	8751.4	20.1	614.97	0.00
315.12	4390.1	20.1	315.03	-0.01
14.72	26.1	20.1	14.70	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	40.21	-5.00	24.87
29.00	40.28	35.00	24.86
24.00	39.62		
18.50	38.30		
15.00	37.20		
4.50	34.45		
1.00	33.22		

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