SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 20-Jan-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1230

COEFFICIENTS:

PA0 = 5.314452e-001	PTCA0 = -2.011929e+002
PA1 = 6.872467e-002	PTCA1 = -2.708750e-001
PA2 = -4.953407e-009	PTCA2 = 2.932002e-002
	PTCB0 = 2.474413e+001
	PTCB1 = -5.750000e-004
	PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION					THERMAL CORRECTION			
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
14.77	13.8	21.5	14.78	0.00	32.50	37.50	-5.00	24.75
315.13	4384.0	21.5	315.17	0.00	29.00	31.32	35.00	24.72
615.07	8748.9	21.5	615.00	-0.00	24.00	25.42		
915.09	13119.0	21.5	915.00	-0.01	18.50	20.23		
1215.11	17492.4	21.5	1215.04	-0.00	15.00	17.51		
1465.09	21139.1	21.5	1465.08	-0.00	4.50	14.43		
1214.99	17492.8	21.5	1215.07	0.01	1.00	14.71		
915.00	13120.2	21.5	915.09	0.01				
615.00	8749.4	21.5	615.04	0.00				
315.15	4383.6	21.6	315.14	-0.00				
14.77	13.5	21.6	14.76	-0.00				

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

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

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

Date, Avg Delta P %FS

● 20-Jan-11   0.00