

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0477
CALIBRATION DATE: 04-Dec-06

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189033

COEFFICIENTS:

PA0 = -6.593429e+000
PA1 = 6.000356e-002
PA2 = 1.850187e-008

PTCA0 = 0.000000e+000
PTCA1 = -1.754429e-001
PTCA2 = 1.056531e-002
PTCB0 = 0.000000e+000
PTCB1 = 0.000000e+000
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.75	357.1	23.0	14.74	-0.00
607.26	10185.5	23.0	606.40	-0.06
903.29	15085.1	23.0	902.68	-0.04
1199.46	19973.8	23.0	1199.19	-0.02
1495.60	24844.8	23.0	1495.51	-0.01
1199.53	19986.3	23.0	1199.95	0.03
903.25	15106.0	23.0	903.95	0.05
606.61	10197.7	23.0	607.14	0.04
297.35	5062.8	23.0	297.57	0.01
14.75	356.6	23.0	14.71	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	364.30		
24.00	359.80		
18.50	359.00		
15.00	358.30		
4.50	359.00		
1.00	357.60		

$$n = \text{instrument output} - (\text{PTCA1} * t - \text{PTCA2} * t^2)$$

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

Date, Avg Delta P %FS

04-Dec-06 -0.00

