

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1247

CALIBRATION DATE: 30-Nov-10

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 193468

COEFFICIENTS:

PA0 = -1.083132e+001

PA1 = 6.011267e-002

PA2 = 2.436264e-008

PTCA0 = 0.000000e+000

PTCA1 = 1.781381e+000

PTCA2 = 1.460829e-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
14.61	464.4	21.8	14.34	-0.02
314.89	5440.5	21.6	314.20	-0.05
614.91	10389.9	21.6	613.62	-0.09
914.79	15333.2	21.5	913.87	-0.06
1214.80	20262.2	21.5	1214.43	-0.02
1464.87	24353.3	21.5	1464.80	-0.00
1214.72	20275.3	21.5	1215.23	0.03
914.75	15361.7	21.4	915.62	0.06
614.69	10426.2	21.4	615.85	0.08
314.99	5466.6	21.4	315.80	0.05
14.60	471.9	21.4	14.85	0.02

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	510.80		
29.00	501.59		
24.00	488.09		
18.50	475.22		
15.00	466.73		
4.50	448.03		
1.00	437.52		

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

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

Date, Avg Delta P %FS

30-Nov-10 -0.00

