

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 05-Dec-07

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192102

COEFFICIENTS:

PA0 = 9.852213e+000
PA1 = 6.026292e-002
PA2 = 1.883573e-008

PTCA0 = 0.000000e+000
PTCA1 = 4.220757e+000
PTCA2 = 4.416474e-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
14.66	182.2	20.9	14.37	-0.02
311.19	5082.2	20.8	310.13	-0.07
607.97	9982.4	20.8	606.80	-0.08
904.73	14872.9	20.8	903.79	-0.06
1201.59	19755.9	20.8	1201.22	-0.02
1498.36	24617.4	20.8	1498.23	-0.01
1201.53	19769.7	20.8	1202.06	0.04
904.53	14902.2	20.8	905.58	0.07
607.89	10017.3	20.8	608.94	0.07
311.11	5112.6	20.8	311.99	0.06
14.65	193.4	20.8	15.07	0.03

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	279.70		
29.00	255.60		
24.00	223.20		
18.50	189.50		
15.00	166.40		
4.50	120.50		
1.00	97.20		

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

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

Date, Avg Delta P %FS

05-Dec-07 -0.00

