

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0828
CALIBRATION DATE: 06-Jul-10

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192104

COEFFICIENTS:

PA0 = -4.033164e+000
PA1 = 6.001896e-002
PA2 = 2.021846e-008

PTCA0 = 0.000000e+000
PTCA1 = 1.041279e+000
PTCA2 = 2.039652e-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
14.71	348.8	24.5	14.64	-0.00
315.07	5334.7	24.5	314.45	-0.04
614.96	10301.4	24.5	614.11	-0.06
914.99	15260.5	24.5	914.31	-0.05
1214.96	20204.1	24.5	1214.55	-0.03
1515.04	25134.4	24.5	1514.98	-0.00
1214.96	20218.6	24.5	1215.43	0.03
914.92	15283.4	24.5	915.69	0.05
614.93	10327.9	24.5	615.71	0.05
314.98	5352.3	24.5	315.51	0.04
14.73	352.7	24.5	14.87	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	378.70		
29.00	370.01		
24.00	359.31		
18.50	349.27		
15.00	342.87		
4.50	329.36		
1.00	323.01		

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

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

Date, Avg Delta P %FS

06-Jul-10 0.00

