

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0827

CALIBRATION DATE: 06-Jul-10

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192107

COEFFICIENTS:

PA0 = 1.486250e+000

PA1 = 6.002921e-002

PA2 = 1.967796e-008

PTCA0 = 0.000000e+000

PTCA1 = 2.217518e+000

PTCA2 = 1.862558e-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	284.6	24.6	14.62	-0.01
315.07	5269.6	24.5	314.42	-0.04
614.96	10237.3	24.5	614.13	-0.06
914.99	15196.5	24.5	914.29	-0.05
1214.96	20141.5	24.5	1214.56	-0.03
1515.04	25072.9	24.5	1514.97	-0.00
1214.96	20155.9	24.5	1215.44	0.03
914.92	15219.7	24.5	915.70	0.05
614.93	10263.7	24.5	615.72	0.05
314.98	5287.6	24.5	315.50	0.03
14.73	289.4	24.6	14.91	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	326.80		
29.00	314.57		
24.00	298.12		
18.50	282.20		
15.00	271.35		
4.50	247.65		
1.00	235.07		

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

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

Date, Avg Delta P %FS

06-Jul-10 0.00

