

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0417

CALIBRATION DATE: 01-Dec-10

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 189026

COEFFICIENTS:

PA0 = -2.677886e+000

PA1 = 6.002132e-002

PA2 = 2.159301e-008

PTCA0 = 0.000000e+000

PTCA1 = -1.914722e-001

PTCA2 = 1.568680e-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
14.65	290.3	22.4	14.53	-0.01
314.96	5276.9	22.5	314.43	-0.04
615.01	10240.6	22.5	614.02	-0.07
914.90	15196.7	22.5	914.21	-0.05
1214.96	20138.5	22.5	1214.60	-0.02
1464.97	24244.3	22.5	1464.97	-0.00
1214.94	20149.9	22.5	1215.29	0.02
914.78	15218.4	22.5	915.53	0.05
614.77	10267.5	22.5	615.65	0.06
314.89	5294.6	22.6	315.49	0.04
14.66	294.2	22.5	14.76	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	315.30		
29.00	313.28		
24.00	309.48		
18.50	307.12		
15.00	304.63		
4.50	306.83		
1.00	303.53		

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

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

Date, Avg Delta P %FS

01-Dec-10 -0.00

