

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416

CALIBRATION DATE: 13-Dec-10

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 189025

COEFFICIENTS:

PA0 = 4.096296e+000

PA1 = 6.001705e-002

PA2 = 2.107662e-008

PTCA0 = 0.000000e+000

PTCA1 = -1.293162e+000

PTCA2 = 2.860956e-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
14.59	157.6	22.2	14.43	-0.01
314.98	5149.5	22.4	314.59	-0.03
614.87	10110.8	22.5	613.95	-0.06
914.82	15069.5	22.6	914.20	-0.04
1214.80	20011.6	22.7	1214.46	-0.02
1464.84	24119.8	22.8	1464.85	0.00
1214.82	20023.3	22.9	1215.18	0.02
914.82	15089.7	22.9	915.42	0.04
614.74	10137.2	23.0	615.55	0.05
314.94	5164.5	23.0	315.50	0.04
14.58	161.6	23.2	14.67	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	173.50		
29.00	169.31		
24.00	169.49		
18.50	170.69		
15.00	168.54		
4.50	184.68		
1.00	178.83		

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

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

Date, Avg Delta P %FS

13-Dec-10 -0.00

