

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1245
 CALIBRATION DATE: 08-Dec-06

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 193466

COEFFICIENTS:

PA0 = 4.549127e+000
 PA1 = 6.016030e-002
 PA2 = 2.384041e-008

PTCA0 = -4.141344e+001
 PTCA1 = 3.009073e+000
 PTCA2 = 2.032454e-002
 PTCB0 = 3.000100e+001
 PTCB1 = 5.000000e-004
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.49	197.9	21.9	14.39	-0.01
311.61	5113.6	22.0	310.60	-0.07
608.50	10020.5	22.0	607.46	-0.07
905.50	14913.9	22.0	904.64	-0.06
1202.42	19792.6	22.0	1202.06	-0.02
1499.47	24650.6	22.0	1499.35	-0.01
1202.42	19808.1	22.1	1202.98	0.04
905.52	14943.3	22.1	906.40	0.06
608.45	10053.9	22.1	609.46	0.07
311.38	5140.6	22.1	312.21	0.06
14.48	203.8	22.1	14.70	0.01

THERMAL CORRECTION

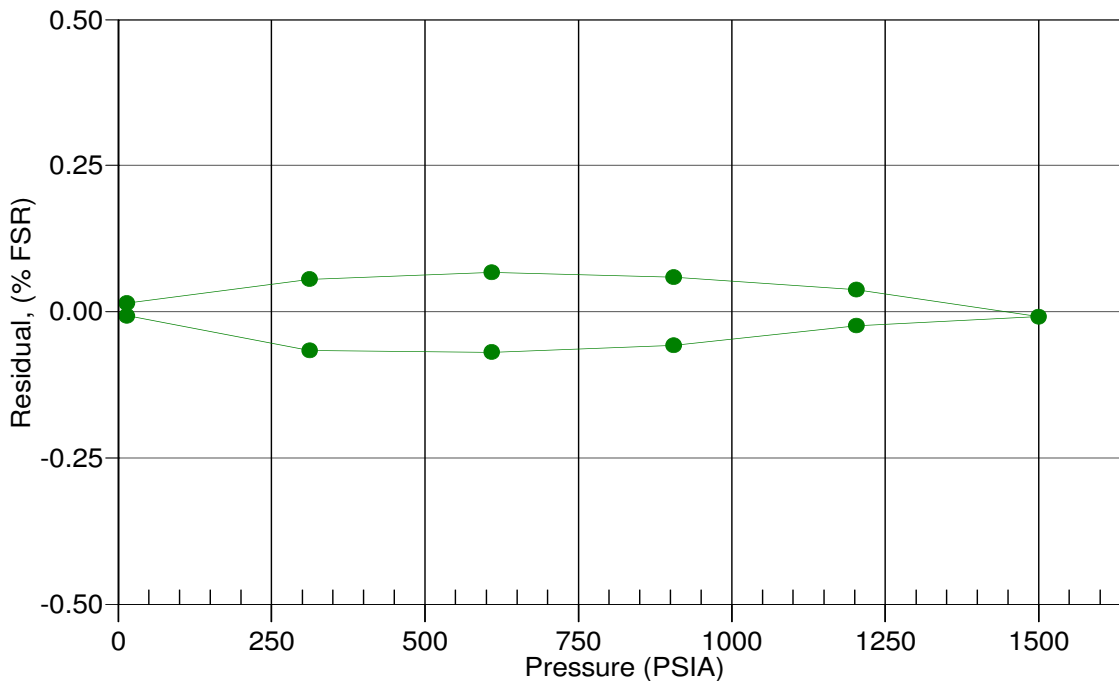
TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	257.00	0.00	30.00
29.00	241.20	30.00	30.02
24.00	221.00		
18.50	200.30		
15.00	185.50		
4.50	154.40		
1.00	138.10		

$$x = \text{pressure output} - \text{PTCA0} - \text{PTCA1} * t - \text{PTCA2} * t^2$$

$$n = x * \text{PTCB0} / (\text{PTCB0} + \text{PTCB1} * t + \text{PTCB2} * t^2)$$

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

Date, Avg Delta P %FS



08-Dec-06 0.00