

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0816
 CALIBRATION DATE: 28-Feb-07

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 192112

COEFFICIENTS:

PA0 = 4.585126e+000
 PA1 = 5.992513e-002
 PA2 = 2.311587e-008

PTCA0 = 0.000000e+000
 PTCA1 = 4.373744e-001
 PTCA2 = -1.977061e-003
 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
14.50	173.2	22.1	14.44	-0.00
311.71	5108.2	22.0	310.78	-0.06
608.48	10031.5	22.0	607.53	-0.06
905.39	14942.4	22.0	904.65	-0.05
1202.38	19838.3	22.0	1201.97	-0.03
1499.26	24714.5	22.0	1499.19	-0.00
1202.36	19852.0	22.0	1202.80	0.03
905.56	14972.0	22.0	906.44	0.06
608.60	10064.6	22.0	609.53	0.06
311.75	5136.3	22.0	312.47	0.05
14.50	177.0	22.0	14.67	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	193.30		
29.00	192.50		
24.00	190.80		
18.50	189.00		
15.00	186.90		
4.50	183.60		
1.00	181.60		

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

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

Date, Avg Delta P %FS

28-Feb-07 -0.00

