

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3533
 CALIBRATION DATE: 17-Jul-07

SBE 37 PRESSURE CALIBRATION DATA
 508 psia S/N 5295

COEFFICIENTS:

PA0 = -2.539020e-001
 PA1 = 2.395945e-002
 PA2 = 1.560222e-009

PTCA0 = -6.926735e+002
 PTCA1 = -2.614179e-001
 PTCA2 = -8.038839e-003
 PTCB0 = 2.425913e+001
 PTCB1 = -1.175000e-003
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.56	-86.7	23.5	14.54	-0.00
104.83	3676.6	23.5	104.83	0.00
204.84	7841.9	23.5	204.83	-0.00
304.84	12005.3	23.5	304.84	-0.00
404.84	16166.2	23.6	404.84	0.00
504.82	20324.5	23.5	504.83	0.00
404.84	16166.7	23.5	404.85	0.00
304.84	12004.3	23.5	304.81	-0.01
204.84	7842.5	23.5	204.85	0.00
104.86	3678.7	23.4	104.88	0.01
14.56	-85.6	23.7	14.57	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-55.80	-5.00	24.27
29.00	-52.80	35.00	24.22
24.00	-49.60		
18.50	-46.10		
15.00	-44.60		
4.50	-40.00		
1.00	-38.90		

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

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

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

Date, Avg Delta P %FS

17-Jul-07 0.00

