SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 18-Aug-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1455

COEFFICIENTS:

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PA0 =   -2.826184e+000
PA1 =    6.866582e-002
PA2 =   -4.299352e-009

PTCA0 = -2.001535e+002
PTCA1 = -1.698221e+000
PTCA2 = -4.307938e-003
PTCB0 =  2.490162e+001
PTCB1 = -2.750000e-004
PTCB2 =  0.000000e+000
```

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.70	14.4	22.9	14.74	0.00
314.96	4387.0	22.8	314.95	-0.00
615.00	8758.6	22.8	614.95	-0.00
914.98	13133.0	22.6	914.95	-0.00
1215.01	17509.4	22.6	1214.95	-0.00
1465.07	21159.6	22.6	1465.04	-0.00
1214.96	17510.6	22.7	1215.05	0.01
914.94	13133.5	22.7	915.00	0.00
614.94	8758.8	22.7	614.95	0.00
314.97	4387.5	22.6	314.96	-0.00
14.70	13.7	22.8	14.67	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	7.12	-5.00	24.90
29.00	14.20	35.00	24.89
24.00	23.80		
18.50	34.13		
15.00	40.40		
4.50	59.19		
1.00	65.33		

x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)

pressure (psia) = PA0 + PA1 * n + PA2 * n^2