SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0992
CALIBRATION DATE: 19-Aug-11

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 1345

COEFFICIENTS:

PA0 =	1.341979e+000	PTCA0 =	3.133699e+000
PA1 =	2.408234e-002	PTCA1 =	3.140959e+000
PA2 =	1.443901e-009	PTCA2 =	-3.288138e-002
PTHA0 =	-6.215156e+001	PTCB0 =	2.499963e+001
PTHA1 =	5.099955e-002	PTCB1 =	-6.750000e-004
PTHA2 =	-7.382666e-008	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FSR
14.63	610.5	1684.0	14.64	0.00
104.87	4353.6	1686.0	104.86	-0.00
204.91	8501.4	1687.0	204.89	-0.00
304.88	12645.5	1688.0	304.87	-0.00
404.87	16788.1	1688.0	404.88	0.00
504.87	20927.4	1688.0	504.85	-0.00
404.88	16789.1	1688.0	404.90	0.00
304.90	12647.2	1688.0	304.92	0.00
204.93	8502.9	1687.0	204.92	-0.00
104.93	4356.8	1687.0	104.93	0.00
14.63	611.2	1692.0	14.64	0.00

THERMAL CORRECTION

TEMP ITS90	PRESS TEMP	INST OUTPUT
-1.50	1191.30	561.50
4.50	1309.30	589.20
11.50	1447.20	603.60
18.50	1585.00	616.30
25.50	1723.00	629.00
32.50	1861.00	640.80

TEMP(ITS90)	SPAN(mV)
-5.00	25.00
35.00	24.98

y = thermistor output; $t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$

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

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

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