SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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

SENSOR SERIAL NUMBER: 1417
CALIBRATION DATE: 21-Nov-03

SBE 37 PRESSURE CALIBRATION DATA
10000 psia S/N 193243

COEFFICIENTS:

PA0	= 3.243866e+000	PTCA0	= -2.774054e+002
PA1	= 4.674189e-001	PTCA1	= 3.598518e-001
PA2	= -5.842712e-008	PTCA2	= -5.528487e-004
		PTCB0	= 2.571000e+001
		PTCB1	= 1.233333e-003
		PTCB2	= 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.73	-248.2	19.9	13.64	-0.01
2015.02	4037.5	20.3	2013.76	-0.01
4015.16	8324.9	20.1	4012.67	-0.02
6015.47	12618.7	20.2	6012.32	-0.03
8015.72	16921.0	20.3	8013.74	-0.02
10016.41	21230.6	20.1	10016.58	0.00
10016.41	21230.6	20.1	10016.58	0.00
8015.72	16929.1	20.3	8017.51	0.02
6015.39	12630.4	20.3	6017.72	0.02
4015.13	8336.1	20.2	4017.85	0.03
2014.93	4045.1	20.5	2017.26	0.02
14.62	-244.9	20.5	15.09	0.00

THERMAL CORRECTION

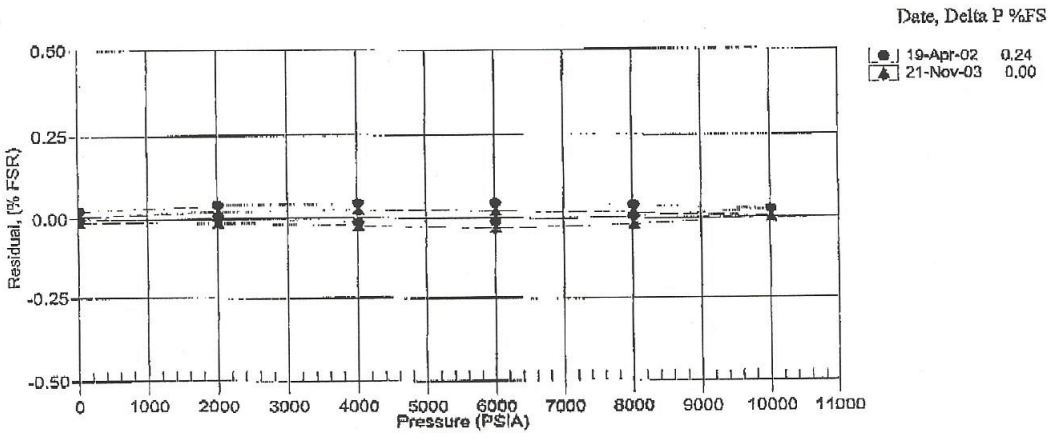
TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-240.73	0.00	25.71
29.00	-241.97	30.00	25.75
24.00	-243.54		
18.50	-245.40		
15.00	-246.64		
4.50	-250.20		
1.00	-251.57		

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) = $PA0 + PA1 * n + PA2 * n^2$



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PA2 =	-5.842712e-008	PTCA2 =	-5.528487e-004
		PTCB0 =	2.571000e+001
		PTCB1 =	1.233333e-003
		PTCB2 =	0.000000e+000

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6015.47	12618.7	20.2	6012.32	-0.03
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14.62	-244.9	20.5	15.09	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-240.73	0.00	25.71
29.00	-241.97	30.00	25.75
24.00	-243.54		
18.50	-245.40		
15.00	-246.64		
4.50	-250.20		
1.00	-251.57		

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) = $PA0 + PA1 * n + PA2 * n^2$