Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 27-Feb-15

SBE 37 PRESSURE CALIBRATION DATA
FSR: 1450 psia S/N 6410

COEFFICIENTS:

PA0 =	1.712950e-001	PTCA0 =	-2.248652e+002
PA1 =	6.905953e-002	PTCA1 =	1.385005e-001
PA2 =	-5.538077e-009	PTCA2 =	-1.288737e-003
		PTCB0 =	2.473987e+001
		PTCB1 =	-6.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.49	-14.3	22.7	14.55	0.00
302.11	4146.9	22.8	301.98	-0.01
589.11	8306.8	22.8	589.13	0.00
876.15	12468.2	22.8	876.19	0.00
1163.17	16632.0	22.8	1163.22	0.00
1450.16	20795.6	22.8	1450.05	-0.01
1163.24	16634.0	22.9	1163.36	0.01
876.08	12468.0	22.9	876.18	0.01
589.02	8305.0	23.0	589.01	-0.00
301.92	4144.6	23.0	301.82	-0.01
14.49	-14.2	23.0	14.55	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT
32.50	17.18
29.00	17.11
24.00	16.75
18.50	16.22
15.00	15.78
4.50	14.81
1.00	14.19

TEMP (ITS90)	SPAN (mV)
-5.00	24.74
35.00	24.72

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