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SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 14-Jun-18

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1454

COEFFICIENTS:

PA0 =	-1.873315e+000	PTCA0 =	-1.766267e+002
PA1 =	6.892158e-002	PTCA1 =	-1.119779e+000
PA2 =	-4.951441e-009	PTCA2 =	-2.715253e-003
		PTCB0 =	2.481212e+001
		PTCB1 =	4.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.65	38.1	23.0	14.79	0.01
301.90	4206.9	23.0	301.90	0.00
588.94	8375.3	23.0	588.82	-0.01
876.09	12551.1	23.0	876.06	-0.00
1163.17	16727.3	23.0	1163.17	-0.00
1450.24	20905.0	23.0	1450.20	-0.00
1163.32	16730.7	23.0	1163.40	0.01
876.19	12553.2	23.0	876.21	0.00
589.02	8378.9	23.0	589.06	0.00
301.89	4207.1	23.0	301.92	0.00
14.65	33.8	23.1	14.51	-0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	33.84
29.00	38.43
24.00	44.86
18.50	51.54
15.00	55.67
4.50	67.99
1.00	72.13

TEMPERATURE (°C)	SPAN
-5.00	24.81
35.00	24.83

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

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

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

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range