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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 08-Apr-19

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1455

COEFFICIENTS:

PA0 =	-2.527757e+000	PTCA0 =	-2.019291e+002
PA1 =	6.868365e-002	PTCA1 =	-1.598175e+000
PA2 =	-3.013380e-009	PTCA2 =	-5.710390e-003
		PTCB0 =	2.487500e+001
		PTCB1 =	4.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.59	10.6	21.4	14.59	-0.00
300.97	4181.7	21.5	300.93	-0.00
588.24	8366.9	21.5	588.12	-0.01
875.50	12555.1	21.5	875.42	-0.01
1162.79	16745.8	21.4	1162.76	-0.00
1449.92	20934.5	21.4	1449.88	-0.00
1162.81	16746.8	21.5	1162.84	0.00
875.49	12559.7	21.5	875.73	0.02
588.33	8369.6	21.5	588.31	-0.00
301.53	4196.2	21.5	301.93	0.03
14.60	10.8	21.7	14.64	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	4.17
29.00	11.39
24.00	21.05
18.50	30.89
15.00	36.83
4.50	54.96
1.00	60.93

TEMPERATURE (°C)	SPAN
-5.00	24.87
35.00	24.89

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