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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 14-Jun-18

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 6036

COEFFICIENTS:

PA0 =	7.623116e-001	PTCA0 =	-1.455965e+002
PA1 =	6.905899e-002	PTCA1 =	4.861575e-001
PA2 =	-2.970900e-009	PTCA2 =	-1.084959e-004
		PTCB0 =	2.477262e+001
		PTCB1 =	-1.075000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.65	66.4	22.8	14.65	0.00
301.90	4222.4	22.9	301.89	-0.00
588.94	8375.9	22.9	588.85	-0.01
876.09	12534.3	22.9	876.05	-0.00
1163.17	16693.0	22.9	1163.17	-0.00
1450.24	20852.4	22.9	1450.23	-0.00
1163.32	16695.9	22.9	1163.37	0.00
876.19	12536.4	22.9	876.20	0.00
589.02	8379.0	22.9	589.07	0.00
301.89	4223.3	22.9	301.95	0.00
14.65	66.0	22.9	14.62	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	82.49
29.00	80.98
24.00	78.77
18.50	75.82
15.00	74.09
4.50	69.01
1.00	67.52

TEMPERATURE (°C)	SPAN
-5.00	24.78
35.00	24.73

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