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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 26-Apr-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 6036

COEFFICIENTS:

PA0 =	7.148805e-001	PTCA0 =	-1.458446e+002
PA1 =	6.909585e-002	PTCA1 =	4.557307e-001
PA2 =	-4.466731e-009	PTCA2 =	5.461566e-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)
14.43	63.2	22.1	14.46	0.00
300.90	4205.0	22.3	300.83	-0.00
588.22	8363.3	22.4	588.19	-0.00
875.47	12522.9	22.4	875.48	0.00
1162.84	16685.6	22.4	1162.84	0.00
1450.10	20848.6	22.4	1450.06	-0.00
1162.88	16686.8	22.4	1162.92	0.00
875.49	12523.7	22.5	875.54	0.00
588.27	8364.7	22.5	588.28	0.00
300.83	4204.7	22.5	300.80	-0.00
14.44	63.8	22.8	14.48	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	80.28
29.00	78.69
24.00	76.40
18.50	73.65
15.00	71.80
4.50	66.94
1.00	65.55

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