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SENSOR SERIAL NUMBER: 3766
CALIBRATION DATE: 08-Jan-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5755

COEFFICIENTS:

PA0 =	4.373483e-001	PTCA0 =	-1.840199e+002
PA1 =	6.928819e-002	PTCA1 =	-5.972392e-001
PA2 =	-7.637053e-009	PTCA2 =	3.790248e-002
		PTCB0 =	2.473400e+001
		PTCB1 =	4.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.65	27.9	23.0	14.68	0.00
301.56	4171.1	23.1	301.49	-0.00
588.74	8323.9	23.1	588.72	-0.00
875.99	12481.2	23.1	875.99	0.00
1163.00	16639.5	23.2	1163.06	0.00
1450.07	20799.5	23.2	1449.99	-0.01
1163.00	16639.4	23.2	1163.05	0.00
875.90	12480.6	23.2	875.94	0.00
588.90	8326.2	23.2	588.87	-0.00
301.63	4172.7	23.2	301.60	-0.00
14.66	28.5	23.3	14.70	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	49.91
29.00	42.24
24.00	34.31
18.50	30.23
15.00	28.91
4.50	27.10
1.00	26.90

TEMPERATURE (°C)	SPAN
-5.00	24.73
35.00	24.75

$x = \text{instrument output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$

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

$\text{pressure (PSIA)} = PA0 + PA1 * n + PA2 * n^2$

$\text{Residual (\%FSR)} = (\text{computed pressure} - \text{true pressure}) * 100 / \text{Full Scale Range}$

Date, Offset (%FSR)

● 08-Jan-21   0.00