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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 26-Apr-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 7440

COEFFICIENTS:

PA0 =	1.432492e-001	PTCA0 =	-2.128552e+002
PA1 =	6.863754e-002	PTCA1 =	1.602025e-001
PA2 =	-5.452630e-009	PTCA2 =	-2.987189e-003
		PTCB0 =	2.481450e+001
		PTCB1 =	1.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.43	-2.1	22.3	14.46	0.00
300.90	4171.9	22.5	300.83	-0.00
588.22	8363.2	22.5	588.18	-0.00
875.47	12556.5	22.6	875.49	0.00
1162.84	16753.1	22.6	1162.83	-0.00
1450.10	20951.0	22.6	1450.06	-0.00
1162.88	16754.6	22.6	1162.93	0.00
875.49	12557.2	22.6	875.54	0.00
588.27	8364.6	22.6	588.28	0.00
300.83	4171.5	22.6	300.80	-0.00
14.44	-2.0	22.8	14.47	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	11.98
29.00	12.19
24.00	12.25
18.50	11.83
15.00	11.70
4.50	10.71
1.00	10.14

TEMPERATURE (°C)	SPAN
-5.00	24.81
35.00	24.82

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