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SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 26-Apr-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1422

COEFFICIENTS:

PA0 =	1.385095e-001	PTCA0 =	-1.961336e+002
PA1 =	6.893530e-002	PTCA1 =	4.133864e-001
PA2 =	-5.780841e-009	PTCA2 =	-1.458884e-002
		PTCB0 =	2.481675e+001
		PTCB1 =	-1.250000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.43	13.5	22.1	14.47	0.00
300.90	4164.7	22.4	300.85	-0.00
588.22	8333.0	22.4	588.21	-0.00
875.47	12503.3	22.4	875.50	0.00
1162.84	16677.1	22.5	1162.84	0.00
1450.10	20852.2	22.5	1450.06	-0.00
1162.88	16678.3	22.5	1162.92	0.00
875.49	12503.6	22.5	875.53	0.00
588.27	8333.6	22.5	588.25	-0.00
300.83	4163.7	22.5	300.78	-0.00
14.44	13.3	22.8	14.47	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	21.28
29.00	23.02
24.00	24.83
18.50	25.96
15.00	26.21
4.50	24.72
1.00	23.78

TEMPERATURE (°C)	SPAN
-5.00	24.82
35.00	24.77

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