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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 26-Apr-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1207

COEFFICIENTS:

PA0 =	-1.722445e-001	PTCA0 =	-1.809813e+002
PA1 =	6.863073e-002	PTCA1 =	8.686809e-002
PA2 =	-5.599556e-009	PTCA2 =	-8.878875e-003
		PTCB0 =	2.499438e+001
		PTCB1 =	-1.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.43	31.1	22.4	14.56	0.01
300.90	4204.0	22.6	300.87	-0.00
588.22	8394.4	22.6	588.19	-0.00
875.47	12587.2	22.6	875.48	0.00
1162.84	16784.1	22.7	1162.85	0.00
1450.10	20981.4	22.7	1450.05	-0.00
1162.88	16785.2	22.7	1162.93	0.00
875.49	12588.0	22.7	875.54	0.00
588.27	8395.1	22.7	588.24	-0.00
300.83	4202.6	22.7	300.78	-0.00
14.44	28.2	22.9	14.37	-0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	36.90
29.00	38.68
24.00	40.97
18.50	42.20
15.00	42.70
4.50	43.60
1.00	43.92

TEMPERATURE (°C)	SPAN
-5.00	25.00
35.00	24.99

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