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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 07-Sep-21

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 6172

COEFFICIENTS:

PA0 =	4.060091e+000	PTCA0 =	-1.087300e+001
PA1 =	4.856264e-001	PTCA1 =	1.000792e-001
PA2 =	-4.894363e-007	PTCA2 =	8.430574e-003
		PTCB0 =	2.494788e+001
		PTCB1 =	-6.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.54	19.6	26.1	14.81	0.00
2001.70	4123.2	26.3	2000.54	-0.01
3988.92	8265.3	26.3	3988.23	-0.01
5976.19	12443.8	26.3	5976.34	0.00
7963.46	16657.6	26.4	7963.90	0.00
9951.14	20906.0	26.4	9950.18	-0.01
7963.38	16658.3	26.4	7964.23	0.01
5976.16	12444.9	26.4	5976.85	0.01
3988.88	8266.8	26.4	3988.93	0.00
2001.66	4124.6	26.5	2001.18	-0.00
14.53	21.0	26.6	15.36	0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	22.18
29.00	21.47
24.00	17.49
18.50	15.21
15.00	13.90
4.50	11.20
1.00	10.68

TEMPERATURE (°C)	SPAN
-5.00	24.95
35.00	24.93

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