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SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 19-Sep-17

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1422

COEFFICIENTS:

PA0 =	-2.655225e-001	PTCA0 =	-1.889409e+002
PA1 =	6.889258e-002	PTCA1 =	8.709786e-002
PA2 =	-4.652035e-009	PTCA2 =	-1.247684e-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)
14.47	21.3	21.4	14.50	0.00
314.75	4376.5	21.4	314.77	0.00
614.72	8729.8	21.4	614.73	0.00
914.73	13086.1	21.4	914.72	-0.00
1214.71	17445.2	21.4	1214.72	0.00
1464.71	21079.2	21.4	1464.69	-0.00
1214.71	17445.3	21.4	1214.73	0.00
914.73	13086.2	21.4	914.72	-0.00
614.73	8729.9	21.4	614.73	-0.00
314.76	4375.8	21.4	314.72	-0.00
14.47	20.7	21.4	14.46	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	27.18
29.00	29.47
24.00	32.51
18.50	34.94
15.00	35.98
4.50	37.48
1.00	37.73

TEMPERATURE (°C)	SPAN (mV)
-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