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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 14-Jun-18

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1230

COEFFICIENTS:

PA0 =	-3.670711e-001	PTCA0 =	-2.233875e+002
PA1 =	6.868404e-002	PTCA1 =	-2.736334e-001
PA2 =	-4.524551e-009	PTCA2 =	1.689283e-003
		PTCB0 =	2.474413e+001
		PTCB1 =	-5.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.65	-9.9	22.7	14.67	0.00
301.90	4170.9	22.8	301.89	-0.00
589.02	8352.9	22.8	589.03	0.00
876.06	12534.9	22.8	876.02	-0.00
1163.20	16721.8	22.8	1163.18	-0.00
1450.28	20910.0	22.8	1450.27	-0.00
1163.33	16724.4	22.8	1163.36	0.00
876.15	12537.3	22.8	876.18	0.00
589.05	8353.0	22.8	589.04	-0.00
301.89	4170.9	22.8	301.89	-0.00
14.65	-10.4	22.9	14.64	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	-0.70
29.00	0.10
24.00	1.00
18.50	2.09
15.00	2.67
4.50	5.24
1.00	6.33

TEMPERATURE (°C)	SPAN
-5.00	24.75
35.00	24.72

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