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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 14-Jun-18

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5757

COEFFICIENTS:

PA0 =	3.143598e-001	PTCA0 =	-1.693566e+002
PA1 =	6.885091e-002	PTCA1 =	5.694026e-002
PA2 =	-3.837571e-009	PTCA2 =	6.418297e-003
		PTCB0 =	2.487912e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.65	43.6	22.6	14.66	0.00
301.90	4215.4	22.5	301.87	-0.00
589.02	8388.4	22.6	589.02	-0.00
876.06	12560.5	22.5	875.98	-0.01
1163.20	16738.0	22.5	1163.18	-0.00
1450.28	20916.0	22.5	1450.27	-0.00
1163.33	16740.8	22.5	1163.37	0.00
876.15	12563.8	22.5	876.21	0.00
589.05	8388.9	22.5	589.06	0.00
301.89	4216.0	22.5	301.91	0.00
14.65	43.3	22.6	14.64	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	58.84
29.00	57.50
24.00	55.60
18.50	53.58
15.00	52.41
4.50	50.87
1.00	50.36

TEMPERATURE (°C)	SPAN
-5.00	24.88
35.00	24.87

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