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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 21-Dec-17

SBE 37 V2 PRESSURE CALIBRATION DATA
508 psia S/N 4134752

COEFFICIENTS:

PA0 =	7.888076e-002	PTCA0 =	5.250097e+005
PA1 =	1.581319e-003	PTCA1 =	4.597349e+000
PA2 =	4.480407e-012	PTCA2 =	-1.076397e-001
PTEMPA0 =	-8.234546e+001	PTCB0 =	2.510263e+001
PTEMPA1 =	4.834060e-002	PTCB1 =	-2.750000e-004
PTEMPA2 =	-3.743069e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (volts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (volts)	INSTRUMENT OUTPUT (counts)
14.81	534388.0	2169.0	14.84	0.00	32.50	2421	534762.00
105.09	591424.0	2171.0	105.07	-0.00	29.00	2346	534771.29
205.09	654628.0	2171.0	205.09	0.00	24.00	2239	534775.88
305.09	717804.0	2172.0	305.11	0.00	18.50	2121	534775.52
405.10	780949.0	2172.0	405.11	0.00	15.00	2046	534771.78
505.11	844058.0	2172.0	505.09	-0.00	4.50	1822	534744.73
405.11	780953.0	2172.0	405.12	0.00	1.00	1748	534732.68
305.11	717809.0	2173.0	305.11	0.00	TEMPERATURE (°C)		SPAN
205.11	654634.0	2173.0	205.10	-0.00			
105.11	591433.0	2174.0	105.08	-0.01			
14.82	534381.0	2175.0	14.82	0.00			
					-5.00		25.10
					35.00		25.09

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 21-Dec-17 0.00

