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SENSOR SERIAL NUMBER: 0417
CALIBRATION DATE: 19-Nov-20

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189026

COEFFICIENTS:

PA0 = -1.971699e+000
PA1 = 6.004771e-002
PA2 = 1.879066e-008

PTCA1 = 2.994273e-001
PTCA2 = 2.360523e-003

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.61	271.7	25.5	13.79	-0.05	32.50	304.80
311.01	5206.4	25.5	310.62	-0.03	29.00	306.72
608.36	10128.5	25.5	607.60	-0.05	24.00	303.32
905.75	15040.5	25.4	904.87	-0.06	18.50	300.63
1203.29	19942.2	25.4	1202.43	-0.06	15.00	297.07
1500.44	24841.9	25.4	1500.77	0.02	4.50	297.02
1203.24	19961.6	25.4	1203.61	0.02	1.00	293.76
905.92	15069.1	25.4	906.61	0.05		
608.36	10158.3	25.4	609.40	0.07		
311.00	5225.3	25.4	311.76	0.05		
14.63	294.6	25.4	15.17	0.04		

t = temperature (°C)

n = instrument output - (PTCA1 * t + PTCA2 * t²)

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

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

