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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 19-Dec-17

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192103

COEFFICIENTS:

PA0 = 4.480512e+000
PA1 = 6.022704e-002
PA2 = 1.625133e-008

PTCA1 = 6.466193e-001
PTCA2 = 3.543519e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.54	195.1	21.8	14.37	-0.01	32.50	239.60
314.97	5170.8	21.8	314.47	-0.03	29.00	229.83
614.97	10130.0	21.8	614.37	-0.04	24.00	217.57
914.99	15081.4	21.8	914.61	-0.03	18.50	205.82
1214.95	20018.0	21.8	1214.73	-0.01	15.00	196.88
1514.96	24940.6	21.8	1514.80	-0.01	4.50	187.71
1214.98	20029.4	21.8	1215.43	0.03	1.00	180.13
915.02	15094.7	21.8	915.41	0.03		
614.98	10153.1	21.8	615.77	0.05		
315.04	5179.5	21.8	314.99	-0.00		
14.34	202.0	21.8	14.78	0.03		

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

Date, Offset (%FSR)

● 19-Dec-17 -0.00

