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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 19-Nov-20

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192106

COEFFICIENTS:

PA0 = 1.042022e+001
PA1 = 6.007766e-002
PA2 = 2.135016e-008

PTCA1 = 2.782578e+000
PTCA2 = 3.335252e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.61	148.5	25.5	13.78	-0.06	32.50	218.20
311.01	5077.0	25.5	310.40	-0.04	29.00	202.78
608.36	9996.9	25.5	607.55	-0.05	24.00	180.57
905.75	14906.0	25.4	905.07	-0.04	18.50	156.37
1203.29	19798.9	25.4	1202.63	-0.04	15.00	139.66
1500.44	24683.4	25.4	1500.70	0.02	4.50	110.07
1203.24	19812.0	25.4	1203.43	0.01	1.00	94.07
905.92	14931.4	25.4	906.61	0.05		
608.36	10026.7	25.4	609.36	0.07		
311.00	5099.5	25.4	311.77	0.05		
14.63	173.9	25.4	15.32	0.05		

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

