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SENSOR SERIAL NUMBER: 0828
CALIBRATION DATE: 13-Nov-23

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192104

COEFFICIENTS:

PA0 = -3.061658e+000
PA1 = 6.004795e-002
PA2 = 1.927320e-008

PTCA1 = 1.017703e+000

PTCA2 = 2.642238e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.52	334.1	25.2	14.46	-0.00	32.50	367.40
310.83	5250.5	25.2	310.20	-0.04	29.00	353.53
608.04	10175.2	25.2	607.37	-0.04	24.00	343.84
905.19	15085.3	25.2	904.59	-0.04	18.50	332.53
1202.39	19984.1	25.2	1202.06	-0.02	15.00	325.97
1499.55	24867.0	25.2	1499.48	-0.00	4.50	311.04
1202.40	19996.5	25.2	1202.81	0.03	1.00	304.14
905.20	15106.5	25.2	905.87	0.04		
608.03	10197.5	25.2	608.71	0.05		
310.88	5269.1	25.2	311.31	0.03		
14.53	338.5	25.2	14.71	0.01		

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

