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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 05-Sep-24

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192107

COEFFICIENTS:

PA0 = 1.815442e+000
PA1 = 5.997942e-002
PA2 = 1.927159e-008

PTCA1 = 2.457999e+000
PTCA2 = 1.918985e-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	277.6	23.0	14.47	-0.00	32.50	313.50
314.75	5263.2	23.0	314.02	-0.05	29.00	300.20
614.75	10235.2	23.0	613.71	-0.07	24.00	283.30
914.67	15204.2	23.0	914.17	-0.03	18.50	265.80
1214.73	20151.5	23.0	1214.27	-0.03	15.00	253.50
1514.64	25086.3	23.0	1514.54	-0.01	4.50	225.30
1214.67	20166.5	23.0	1215.18	0.03	1.00	215.20
914.69	15226.1	23.0	915.50	0.05		
614.72	10265.8	23.0	615.56	0.06		
314.72	5283.9	23.0	315.27	0.04		
14.53	282.3	23.0	14.75	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

