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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 29-Sep-22

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192107

COEFFICIENTS:

PA0 = 4.102492e+000
PA1 = 6.010497e-002
PA2 = 1.740430e-008

PTCA1 = 3.426600e+000

PTCA2 = 4.143856e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.58	273.8	23.0	14.51	-0.00	32.50	328.50
315.37	5256.2	23.0	314.43	-0.06	29.00	305.71
615.29	10225.5	23.0	614.44	-0.06	24.00	278.40
915.35	15185.6	23.0	914.74	-0.04	18.50	250.86
1215.29	20129.4	23.0	1214.91	-0.03	15.00	232.03
1515.22	25059.4	23.0	1515.08	-0.01	4.50	191.18
1215.23	20143.5	23.0	1215.76	0.04	1.00	174.29
915.30	15207.7	23.0	916.08	0.05		
615.32	10253.6	23.0	616.13	0.05		
315.28	5280.4	23.0	315.89	0.04		
14.58	279.6	23.0	14.85	0.02		

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

