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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 29-Sep-22

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192106

COEFFICIENTS:

PA0 = 8.643886e+000
PA1 = 6.014257e-002
PA2 = 1.864410e-008

PTCA1 = 2.778109e+000

PTCA2 = 3.369616e-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	178.6	23.0	14.47	-0.01	32.50	235.00
315.37	5157.9	23.0	314.42	-0.06	29.00	217.31
615.29	10123.9	23.0	614.49	-0.05	24.00	195.60
915.35	15076.5	23.0	914.66	-0.05	18.50	172.76
1215.29	20014.4	23.0	1214.85	-0.03	15.00	155.53
1515.22	24938.8	23.0	1515.13	-0.01	4.50	125.48
1215.23	20029.4	23.0	1215.77	0.04	1.00	109.59
915.30	15099.7	23.0	916.07	0.05		
615.32	10151.6	23.0	616.16	0.06		
315.28	5183.6	23.0	315.97	0.05		
14.58	184.7	23.0	14.84	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

