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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 19-Nov-20

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192107

COEFFICIENTS:

PA0 = 2.684016e+000
PA1 = 5.997262e-002
PA2 = 2.293701e-008

PTCA1 = 2.187673e+000

PTCA2 = 2.147450e-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	257.5	25.5	13.94	-0.04	32.50	314.00
311.01	5189.4	25.5	310.33	-0.05	29.00	301.79
608.36	10113.0	25.5	607.33	-0.07	24.00	285.17
905.75	15028.1	25.4	904.92	-0.06	18.50	268.43
1203.29	19926.6	25.4	1202.61	-0.05	15.00	256.39
1500.44	24806.0	25.4	1500.23	-0.01	4.50	232.84
1203.24	19954.8	25.4	1204.32	0.07	1.00	220.91
905.92	15058.2	25.4	906.74	0.06		
608.36	10142.9	25.4	609.13	0.05		
311.00	5211.9	25.4	311.69	0.05		
14.63	281.2	25.4	15.38	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

Date, Offset (%FSR)

● 19-Nov-20 0.00

