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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 07-Sep-21

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 193472

COEFFICIENTS:

PA0 = 8.868434e+000
PA1 = 6.008236e-002
PA2 = 2.103406e-008

PTCA1 = 1.024626e-001
PTCA2 = -2.084408e-003

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.48	94.5	27.0	14.47	-0.00	32.50	100.90
311.80	5018.4	26.9	310.84	-0.06	29.00	100.30
609.00	9938.7	26.9	608.01	-0.07	24.00	100.40
906.10	14845.5	26.8	905.38	-0.05	18.50	100.53
1203.21	19740.5	26.8	1203.04	-0.01	15.00	100.94
1500.33	24609.5	26.8	1500.13	-0.01	4.50	99.79
1203.15	19749.8	26.7	1203.61	0.03	1.00	99.46
906.07	14870.5	26.7	906.90	0.05		
608.95	9969.2	26.7	609.86	0.06		
311.78	5044.3	26.6	312.40	0.04		
14.48	98.4	26.7	14.71	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

