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SENSOR SERIAL NUMBER: 11712
CALIBRATION DATE: 05-May-23

SBE 41 PRESSURE CALIBRATION DATA
2900 psia S/N 11162137

COEFFICIENTS:

PA0 =	1.437904e-001	PTCA0 =	-1.305446e+003
PA1 =	3.918084e-004	PTCA1 =	1.844415e+001
PA2 =	-2.792154e-013	PTCA2 =	-9.269263e-002
PTHA0 =	2.933573e+002	PTCB0 =	3.103102e+005
PTHA1 =	-6.102032e-005	PTCB1 =	8.998573e+000
PTHA2 =	-9.982228e-013	PTCB2 =	3.234463e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.42	35446.4	4157041.2	14.39	-0.00	32.50	4011670.90	37055.82
590.74	1509403.0	4159273.6	590.86	0.00	29.00	4062318.00	37080.33
1166.85	2985467.2	4159496.8	1166.94	0.00	23.99	4134624.90	37019.97
1742.81	4464145.4	4159594.8	1742.82	0.00	18.50	4213867.80	36883.34
2319.51	5948111.2	4159649.6	2319.54	0.00	15.00	4264285.30	36796.55
2895.81	7434092.4	4159637.2	2895.81	0.00	4.50	4414932.20	36714.25
2318.08	5952923.4	4160450.0	2321.41	0.12	1.00	4465001.80	36587.80
1743.03	4464463.2	4161394.0	1742.96	-0.00	TEMPERATURE (°C) SPAN		
1166.87	2984856.6	4162392.0	1166.71	-0.01			
590.67	1508945.2	4163384.0	590.69	0.00			
14.45	35526.4	4158826.4	14.42	-0.00			
					2.12	310329.49	
					20.82	310511.60	
					32.81	310640.30	

y = thermistor output (counts)

t = PTHA0 + PTHA1 * y + PTHA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 05-Apr-19 0.00
▲ 05-May-23 -0.00

