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SENSOR SERIAL NUMBER: 0417
CALIBRATION DATE: 29-Sep-22

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189026

COEFFICIENTS:

PA0 = -2.213237e+000
PA1 = 6.009738e-002
PA2 = 1.846856e-008

PTCA1 = 1.228309e-001

PTCA2 = 9.052364e-003

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.58	287.7	23.0	14.62	0.00	32.50	303.50
315.37	5266.0	23.0	314.31	-0.07	29.00	300.41
615.29	10239.2	23.0	614.61	-0.05	24.00	298.39
915.35	15195.2	23.0	914.78	-0.04	18.50	295.96
1215.29	20136.0	23.0	1214.93	-0.02	15.00	291.72
1515.22	25061.7	23.0	1515.06	-0.01	4.50	292.57
1215.23	20149.3	23.0	1215.74	0.03	1.00	288.59
915.30	15216.2	23.0	916.05	0.05		
615.32	10263.4	23.0	616.08	0.05		
315.28	5290.8	23.0	315.81	0.03		
14.58	291.1	23.0	14.83	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

