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SENSOR SERIAL NUMBER: 1242
CALIBRATION DATE: 14-Feb-23

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 193459

COEFFICIENTS:

PA0 = -1.207239e+001
PA1 = 6.004449e-002
PA2 = 2.355033e-008

PTCA1 = 3.706456e-001
PTCA2 = 1.327140e-003

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.54	448.5	23.0	14.31	-0.02	32.50	457.00
314.92	5557.9	23.0	321.82	0.46	29.00	455.21
614.98	10389.5	23.0	613.74	-0.08	24.00	452.86
915.06	15340.7	23.0	914.03	-0.07	18.50	450.70
1215.00	20275.6	23.0	1214.48	-0.03	15.00	449.49
1514.99	25192.4	23.0	1514.97	-0.00	4.50	445.14
1214.71	20290.3	23.0	1215.38	0.04	1.00	443.72
914.72	15366.9	23.0	915.63	0.06		
614.84	10421.4	23.0	615.67	0.06		
314.79	5452.0	23.0	315.43	0.04		
14.56	452.6	23.0	14.55	-0.00		

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

