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SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 22-Dec-17

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189025

COEFFICIENTS:

PA0 = 4.702995e+000
PA1 = 6.009512e-002
PA2 = 1.747494e-008

PTCA1 = -1.280208e+000
PTCA2 = 3.249603e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.72	155.7	25.2	14.76	0.00	32.50	167.20
311.55	5078.6	25.2	311.05	-0.03	29.00	162.34
608.80	10003.8	25.2	608.33	-0.03	24.00	160.19
905.99	14915.2	25.2	905.63	-0.02	18.50	160.47
1203.17	19811.7	25.2	1202.85	-0.02	15.00	160.37
1500.31	24692.9	25.2	1499.99	-0.02	4.50	173.08
1203.22	19827.1	25.2	1203.79	0.04	1.00	168.20
906.03	14939.5	25.2	907.10	0.07		
609.08	10015.5	25.2	609.04	-0.00		
311.90	5092.0	25.2	311.86	-0.00		
14.72	161.3	25.2	15.09	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

Date, Offset (%FSR)

● 22-Dec-17 0.00

