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SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 09-Oct-19

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189025

COEFFICIENTS:

PA0 = 4.414022e+000
PA1 = 6.002760e-002
PA2 = 2.037260e-008

PTCA1 = -1.102239e+000
PTCA2 = 2.641959e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.66	155.7	22.3	14.45	-0.01	32.50	163.40
314.91	5138.5	22.3	314.09	-0.05	29.00	160.01
614.90	10109.5	22.3	614.04	-0.06	24.00	159.52
914.88	15067.8	22.3	914.22	-0.04	18.50	158.59
1214.89	20013.3	22.3	1214.62	-0.02	15.00	158.63
1514.90	24939.5	22.3	1514.84	-0.00	4.50	170.91
1214.93	20024.1	22.4	1215.28	0.02	1.00	166.10
914.91	15091.0	22.3	915.62	0.05		
614.91	10137.2	22.4	615.71	0.05		
314.88	5164.2	22.4	315.64	0.05		
14.68	164.0	22.4	14.95	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)

● 09-Oct-19 -0.00

