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SENSOR SERIAL NUMBER: 6314  
CALIBRATION DATE: 23-Nov-21

SBE 41 PRESSURE CALIBRATION DATA  
2900 psia S/N 3847915

COEFFICIENTS:

PA0 =	5.262784e-001	PTCA0 =	8.380572e+001
PA1 =	1.403088e-001	PTCA1 =	1.728742e-001
PA2 =	-3.285210e-008	PTCA2 =	2.297447e-004
PTHA0 =	-6.712178e+001	PTCB0 =	2.540813e+001
PTHA1 =	5.052049e-002	PTCB1 =	-1.175000e-003
PTHA2 =	2.509217e-008	PTCB2 =	0.000000e+000

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)
14.53	186.7	1744.3	14.45	-0.00	32.50	1969.40	193.37
590.85	4296.1	1749.5	591.02	0.01	29.00	1901.70	192.91
1168.26	8418.2	1751.1	1168.26	-0.00	23.99	1802.10	191.91
1745.44	12547.6	1753.2	1745.40	-0.00	18.50	1693.20	190.82
2322.67	16685.8	1754.5	2322.65	-0.00	15.00	1623.40	190.16
2899.90	20832.6	1755.7	2899.98	0.00	4.50	1417.90	188.49
2322.62	16685.2	1755.8	2322.57	-0.00	1.00	1346.80	187.70
1746.00	12551.1	1755.5	1745.90	-0.00	TEMPERATURE (°C)      SPAN		
1168.40	8418.9	1756.0	1168.36	-0.00			
591.05	4297.5	1755.9	591.21	0.01			
14.53	186.7	1758.3	14.43	-0.00	-5.00	25.41	
					35.00	25.37	

y = thermistor output (counts)

t = PTHA0 + PTHA1 \* y + PTHA2 \* y<sup>2</sup>

x = instrument output - PTCA0 - PTCA1 \* t - PTCA2 \* t<sup>2</sup>

n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

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

Date, Offset (%FSR)

● 23-Nov-21 0.00

