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SENSOR SERIAL NUMBER: 21147  
CALIBRATION DATE: 09-Feb-22

SBE 37 V2 PRESSURE CALIBRATION DATA  
2901 psia S/N 5059700

#### COEFFICIENTS:

PA0 =	4.158380e-001	PTCA0 =	5.252605e+005
PA1 =	9.190159e-003	PTCA1 =	-6.656369e+000
PA2 =	5.800457e-011	PTCA2 =	3.854881e-001
PTEMPA0 =	-9.363158e+001	PTCB0 =	1.021578e+002
PTEMPA1 =	3.800162e-002	PTCB1 =	3.275655e-004
PTEMPA2 =	1.488831e-006	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)
14.81	526874.2	2758.3	14.83	0.00	32.50	2973	527074.47
590.98	589561.8	2761.4	591.12	0.00	29.00	2898	527014.77
1167.86	652247.6	2762.2	1167.86	-0.00	24.00	2790	526947.23
1744.81	714910.1	2762.9	1744.84	0.00	18.50	2671	526892.75
2321.81	777530.0	2763.0	2321.89	0.00	15.00	2595	526870.37
2898.82	840084.8	2763.6	2898.79	-0.00	4.50	2363	526860.80
2321.83	777522.4	2763.2	2321.82	-0.00	1.00	2286	526878.41
1744.82	714899.4	2763.1	1744.74	-0.00	TEMPERATURE (°C)		SPAN
1167.90	652239.0	2763.9	1167.77	-0.00			
590.98	589551.5	2764.1	591.01	0.00			
14.81	526867.9	2765.8	14.73	-0.00			
					-5.50		102.16
					34.49		102.17

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 \* y + PTEMPA2 \* 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)

● 09-Feb-22 -0.00

