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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 11-Oct-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.993665e-004
a1 = 3.319106e-004
a2 = -6.164151e-006
a3 = 2.524670e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	657339.3	1.0000	0.0000
4.5000	564527.0	4.4999	-0.0001
15.0000	364408.5	15.0000	0.0000
18.5000	316842.0	18.5001	0.0001
24.0000	255800.7	23.9999	-0.0001
29.0000	211826.5	29.0000	-0.0000
32.5000	186225.8	32.5000	0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

