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SENSOR SERIAL NUMBER: 0823
CALIBRATION DATE: 13-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.248350e-004
a1 = 3.226991e-004
a2 = -5.608085e-006
a3 = 2.376021e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	624904.6	1.0001	0.0001
4.5000	535938.4	4.4998	-0.0002
15.0000	344585.1	15.0001	0.0001
18.5000	299227.1	18.5001	0.0001
24.0000	241111.7	23.9999	-0.0001
29.0000	199321.8	28.9998	-0.0002
32.5000	175024.9	32.5002	0.0002

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

