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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 08-Nov-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.552519e-006
a1 = 2.802728e-004
a2 = -2.590120e-006
a3 = 1.658442e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	578646.5	1.0000	-0.0000
4.4999	496042.0	4.4999	0.0000
15.0000	318483.0	14.9999	-0.0001
18.5000	276414.9	18.5001	0.0001
24.0000	222533.2	24.0001	0.0001
29.0000	183804.4	28.9999	-0.0001
32.5000	161296.8	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

