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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 23-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 5.410047e-005
a1 = 2.665760e-004
a2 = -1.486657e-006
a3 = 1.362289e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	578637.2	1.0000	0.0000
4.5000	496023.5	4.4999	-0.0001
15.0000	318463.3	15.0000	0.0000
18.5000	276399.7	18.5001	0.0001
24.0000	222523.1	23.9999	-0.0001
29.0000	183795.4	29.0000	-0.0000
32.5000	161288.9	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

