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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 07-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.760219e-004
a1 = 2.960897e-004
a2 = -3.539625e-006
a3 = 1.803566e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	800368.7	1.0000	0.0000
4.5000	686374.4	4.4999	-0.0001
14.9999	441251.7	15.0000	0.0001
18.4999	383156.4	18.4998	-0.0001
23.9999	308713.4	23.9999	-0.0000
29.0000	255181.6	29.0000	-0.0000
32.5000	224061.6	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

