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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 11-Oct-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.740187e-005
a1 = 2.955175e-004
a2 = -3.985540e-006
a3 = 1.966182e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	677394.7	1.0000	-0.0000
4.5000	579385.4	4.5000	0.0000
15.0000	369586.0	15.0001	0.0001
18.5000	320109.3	18.4999	-0.0001
24.0000	256899.0	23.9999	-0.0001
29.0000	211601.2	29.0002	0.0002
32.5000	185345.5	32.4999	-0.0001

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

