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SENSOR SERIAL NUMBER: 0040
CALIBRATION DATE: 12-May-17

SBE 48 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 2.635306e-005
a1 = 2.731783e-004
a2 = -2.367741e-006
a3 = 1.483610e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	729110.1	0.9998	-0.0002
4.5000	622118.5	4.5003	0.0003
15.0000	394197.9	14.9997	-0.0003
18.5000	340699.2	18.5000	-0.0000
23.9999	272547.2	24.0000	0.0001
29.0000	223860.6	29.0002	0.0002
32.5000	195709.8	32.4998	-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

