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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 15-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.027144e-004
a1 = 3.010864e-004
a2 = -4.393509e-006
a3 = 2.065788e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	677345.7	0.9999	-0.0001
4.5000	579336.8	4.5002	0.0002
15.0000	369567.9	14.9998	-0.0002
18.5000	320089.8	18.5002	0.0002
24.0000	256896.3	23.9996	-0.0004
29.0000	211599.9	29.0006	0.0006
32.5000	185354.2	32.4997	-0.0003

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

