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SENSOR SERIAL NUMBER: 4590
CALIBRATION DATE: 19-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.625784e-006
a1 = 2.707314e-004
a2 = -1.823844e-006
a3 = 1.424913e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	689593.3	1.0000	-0.0000
4.5000	591098.5	4.5000	0.0000
15.0000	379444.9	14.9999	-0.0001
18.5000	329309.3	18.5001	0.0001
24.0000	265101.7	24.0000	0.0000
29.0000	218953.5	28.9999	-0.0001
32.5000	192135.9	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

