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SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 27-Sep-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.534687e-005
a1 = 2.839007e-004
a2 = -2.885390e-006
a3 = 1.699165e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	677903.5	1.0000	-0.0000
4.5000	580883.9	4.5000	0.0000
15.0000	372521.7	14.9998	-0.0002
18.5000	323193.5	18.5003	0.0003
24.0000	260055.0	23.9999	-0.0001
29.0000	214694.4	28.9999	-0.0001
32.5000	188345.3	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

