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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 28-Sep-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.798327e-004
a1 = 3.163608e-004
a2 = -5.079686e-006
a3 = 2.197723e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	838088.7	1.0000	-0.0000
4.5000	718935.7	4.5000	0.0000
15.0000	462571.6	15.0001	0.0001
18.5000	401773.7	18.4998	-0.0002
24.0000	323840.2	24.0001	0.0001
29.0001	267780.5	29.0002	0.0001
32.5000	235185.4	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

