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SENSOR SERIAL NUMBER: 1842
CALIBRATION DATE: 23-Aug-22

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.663680e-007
a1 = 2.811676e-004
a2 = -2.907072e-006
a3 = 1.709031e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	640493.5	1.0000	-0.0000
4.5000	547897.0	4.5000	0.0000
15.0000	349630.2	15.0000	-0.0000
18.5000	302854.0	18.5000	-0.0000
24.0000	243083.7	24.0001	0.0001
29.0000	200245.3	28.9999	-0.0001
32.5000	175405.3	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

