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SENSOR SERIAL NUMBER: 1863
CALIBRATION DATE: 05-Apr-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.973329e-005
a1 = 2.781834e-004
a2 = -2.666196e-006
a3 = 1.666928e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	612576.8	0.9999	0.0000
4.4999	524249.5	4.4999	-0.0000
15.0000	334952.9	15.0000	0.0000
18.5000	290252.4	18.5000	0.0000
24.0000	233105.9	24.0000	-0.0000
29.0000	192120.1	29.0000	0.0000
32.5000	168344.9	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

