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SENSOR SERIAL NUMBER: 1865
CALIBRATION DATE: 26-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.181344e-005
a1 = 2.991970e-004
a2 = -4.140014e-006
a3 = 2.083749e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	581901.7	0.9999	0.0000
4.5000	498902.2	4.5000	0.0000
15.0000	320423.1	15.0000	-0.0000
18.4999	278123.9	18.4999	0.0000
24.0000	223932.9	24.0001	0.0001
29.0000	184977.9	28.9999	-0.0001
32.5000	162336.9	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

