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SENSOR SERIAL NUMBER: 1850
CALIBRATION DATE: 16-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.202678e-005
a1 = 2.739117e-004
a2 = -2.287178e-006
a3 = 1.550628e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	772835.1	1.0000	0.0000
4.5000	661913.1	4.5000	-0.0000
15.0000	423856.2	15.0001	0.0001
18.5000	367554.7	18.5000	-0.0000
24.0000	295510.4	23.9999	-0.0001
29.0000	243783.4	29.0001	0.0001
32.5000	213754.2	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

