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SENSOR SERIAL NUMBER: 2002
CALIBRATION DATE: 22-Sep-22

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.401273e-005
a1 = 2.979253e-004
a2 = -4.460067e-006
a3 = 2.109566e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	689361.5	1.0000	0.0000
4.5000	588844.8	4.5000	-0.0000
14.9999	374141.7	14.9999	-0.0000
18.5000	323626.1	18.5000	0.0000
24.0000	259191.4	24.0000	0.0000
29.0000	213100.4	28.9999	-0.0001
32.5000	186417.7	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

