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SENSOR SERIAL NUMBER: 1526
CALIBRATION DATE: 07-Aug-22

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.146803e-005
a1 = 2.819237e-004
a2 = -2.743879e-006
a3 = 1.664028e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	763861.1	0.9999	-0.0001
4.5000	654826.2	4.5002	0.0002
15.0000	420470.8	14.9998	-0.0002
18.5000	364938.8	18.5000	0.0000
24.0000	293812.4	24.0000	-0.0000
29.0000	242682.9	29.0002	0.0002
32.5000	212973.1	32.4999	-0.0001

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

