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SENSOR SERIAL NUMBER: 1806
CALIBRATION DATE: 28-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.315754e-006
a1 = 2.815684e-004
a2 = -3.050742e-006
a3 = 1.740802e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	682568.3	0.9999	0.0000
4.5000	583504.8	4.4999	-0.0001
14.9999	371628.7	14.9999	0.0000
18.4999	321705.4	18.4999	0.0000
24.0000	257962.4	24.0000	-0.0000
29.0001	212313.7	29.0001	-0.0000
32.5000	185865.3	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

