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SENSOR SERIAL NUMBER: 1804
CALIBRATION DATE: 28-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.828088e-005
a1 = 2.811495e-004
a2 = -2.916062e-006
a3 = 1.717555e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	703468.9	0.9999	-0.0000
4.5000	602065.1	4.5000	0.0000
14.9999	384728.3	14.9999	0.0000
18.4999	333399.9	18.4998	-0.0001
24.0000	267771.5	24.0001	0.0001
29.0001	220702.1	29.0001	-0.0000
32.5000	193396.8	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

