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SENSOR SERIAL NUMBER: 1810
CALIBRATION DATE: 10-Jul-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.331740e-005
a1 = 2.698891e-004
a2 = -2.059274e-006
a3 = 1.495918e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	654746.0	0.9999	-0.0000
4.4999	560129.3	4.4999	0.0000
15.0000	357502.9	15.0000	0.0000
18.5000	309690.1	18.4999	-0.0001
23.9999	248588.4	23.9999	0.0000
29.0000	204786.4	29.0000	0.0000
32.5000	179386.9	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

