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SENSOR SERIAL NUMBER: 1853
CALIBRATION DATE: 04-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.178150e-004
a1 = 3.045684e-004
a2 = -4.582775e-006
a3 = 2.179104e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	623105.9	1.0000	0.0000
4.4999	534019.4	4.4999	0.0000
15.0000	342581.4	15.0000	-0.0000
18.5000	297247.9	18.5000	-0.0000
24.0000	239198.3	24.0002	0.0002
29.0000	197495.2	28.9998	-0.0002
32.5001	173264.3	32.5002	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

