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SENSOR SERIAL NUMBER: 1869 CALIBRATION DATE: 04-May-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.078152e-005 a1 = 2.832439e-004 a2 = -2.860970e-006 a3 = 1.732962e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	616765.3	1.0001	0.0001
4.4999	528786.9	4.4998	-0.0001
15.0000	339602.5	15.0001	0.0001
18.5000	294771.6	18.5000	0.0000
24.0000	237339.9	23.9999	-0.0001
29.0000	196051.6	28.9999	-0.0001
32.5001	172053.7	32.5002	0.0001

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

