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SENSOR SERIAL NUMBER: 1851 CALIBRATION DATE: 08-Jun-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.367198e-006 a1 = 2.749096e-004 a2 = -2.255060e-006 a3 = 1.551636e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	634075.2	1.0000	-0.0000
4.5000	543163.8	4.5001	0.0001
15.0000	348019.1	15.0000	-0.0000
18.5000	301852.3	18.4999	-0.0001
24.0000	242764.8	24.0000	0.0000
29.0000	200333.8	29.0001	0.0001
32.5000	175695.3	32.4999	-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

