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SENSOR SERIAL NUMBER: 1852 CALIBRATION DATE: 04-Jun-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -1.269486e-004 a1 = 2.960234e-004 a2 = -3.810961e-006 a3 = 1.960463e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	706626.0	1.0000	0.0000
4.5000	606035.8	4.5000	-0.0000
15.0000	389610.8	15.0000	-0.0000
18.5000	338285.4	18.5001	0.0001
24.0000	272513.0	24.0000	0.0000
29.0000	225209.1	28.9999	-0.0001
32.5000	197705.6	32.5001	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

