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SENSOR SERIAL NUMBER: 2329 CALIBRATION DATE: 07-Jun-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -1.640810e-004 a1 = 3.046505e-004 a2 = -3.649073e-006 a3 = 1.818245e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	554719.9	1.0000	0.0000
4.5000	476619.2	4.4999	-0.0001
15.0000	308178.7	15.0001	0.0001
18.5000	268120.3	18.5000	0.0000
24.0000	216689.3	23.9999	-0.0001
29.0000	179611.6	29.0001	0.0001
32.5000	158014.8	32.5000	-0.0000

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

