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SENSOR SERIAL NUMBER: 3759 SBE 39 TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 14-Jan-25 ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = 8.592071e-006 a1 = 2.810823e-004 a2 = -2.838952e-006 a3 = 1.662363e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	696564.4	-1.5000	0.0000
1.0000	621530.7	1.0000	-0.0000
4.5000	531401.1	4.4999	-0.0001
8.0000	455839.7	8.0000	-0.0000
11.5000	392275.9	11.5001	0.0001
15.0000	338628.6	15.0000	0.0000
18.5000	293202.4	18.5000	0.0000
22.0000	254617.0	22.0000	0.0000
25.5000	221742.3	25.4999	-0.0001
29.0001	193648.1	29.0000	-0.0001
32.5000	169570.8	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

