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SENSOR SERIAL NUMBER: 3774 CALIBRATION DATE: 15-Jan-25 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = 2.070550e-005 a1 = 2.758721e-004 a2 = -2.466149e-006 a3 = 1.547733e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	741633.5	-1.5000	0.0000
1.0000	661507.8	1.0000	-0.0000
4.5000	565304.9	4.5000	-0.0000
8.0000	484694.6	8.0000	-0.0000
11.5000	416915.9	11.5000	0.0000
15.0000	359737.9	15.0000	0.0000
18.5000	311344.6	18.5000	0.0000
22.0000	270257.1	22.0000	0.0000
25.5000	235265.4	25.5000	-0.0000
29.0001	205374.9	29.0000	-0.0001
32.5000	179767.7	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

