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SENSOR SERIAL NUMBER: 1423 CALIBRATION DATE: 24-Apr-24 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = 9.547976e-006 a1 = 2.742178e-004 a2 = -2.240477e-006 a3 = 1.531737e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	732317.6	-1.5000	0.0000
1.0000	654067.8	1.0000	-0.0000
4.5000	559965.9	4.4999	-0.0001
8.0000	480967.2	7.9999	-0.0001
11.5000	414421.5	11.5001	0.0001
15.0000	358183.9	15.0001	0.0001
18.5000	310505.9	18.5000	0.0000
22.0000	269956.5	22.0000	-0.0000
25.5000	235365.5	25.4999	-0.0001
29.0000	205770.3	28.9999	-0.0001
32.5000	180375.7	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

