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SENSOR SERIAL NUMBER: 1623 CALIBRATION DATE: 03-May-23 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.927734e-005 a1 = 2.790279e-004 a2 = -2.532001e-006 a3 = 1.624827e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	718050.0	-1.5000	0.0000
1.0000	641777.4	1.0000	-0.0000
4.5000	549972.6	4.5000	-0.0000
8.0000	472829.2	8.0000	-0.0000
11.5000	407785.7	11.5000	0.0000
15.0000	352765.7	15.0000	0.0000
18.5000	306077.0	18.5000	0.0000
22.0000	266334.3	22.0000	-0.0000
25.5000	232402.5	25.5000	-0.0000
29.0000	203347.3	29.0000	-0.0000
32.5000	178396.0	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

