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SENSOR SERIAL NUMBER: 1637 SBE 39 TEMPERATURE CALIBRATION DATA

CALIBRATION DATE: 14-Jan-25 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.938669e-004 a1 = 3.074345e-004 a2 = -4.423946e-006 a3 = 2.068763e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	784597.7	-1.4999	0.0001
1.0000	701862.0	1.0000	-0.0000
4.5000	602186.4	4.4999	-0.0001
8.0000	518337.8	8.0000	-0.0000
11.5000	447567.4	11.5001	0.0001
15.0000	387643.1	15.0001	0.0001
18.5000	336741.0	18.5000	0.0000
22.0000	293368.6	22.0000	0.0000
25.5000	256301.6	25.4999	-0.0001
29.0001	224529.5	29.0000	-0.0001
32.5000	197218.9	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

