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SENSOR SERIAL NUMBER: 3979 CALIBRATION DATE: 12-Mar-24 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.178148e-006 a1 = 2.715047e-004 a2 = -1.952792e-006 a3 = 1.458607e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	671138.5	1.0001	0.0001
4.5000	574964.7	4.4998	-0.0002
15.0000	368481.6	15.0001	0.0001
18.5000	319628.7	18.5001	0.0001
24.0000	257100.2	24.0000	0.0000
29.0000	212195.4	28.9997	-0.0003
32.5000	186111.5	32.5002	0.0002

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

