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SENSOR SERIAL NUMBER: 1426 CALIBRATION DATE: 01-Feb-24 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.358502e-003 a1 = -3.924407e-005 a2 = 2.186130e-005 a3 = -4.658507e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	765643.5	-1.4944	0.0056
1.0000	683965.7	0.9946	-0.0054
4.5000	585396.9	4.4938	-0.0062
8.0000	502585.8	7.9990	-0.0010
11.5000	432840.3	11.5064	0.0064
15.0000	373940.0	15.0129	0.0129
18.5000	324391.8	18.4904	-0.0096
22.0000	281883.1	21.9960	-0.0040
25.5000	245636.6	25.4991	-0.0009
29.0000	214625.5	29.0006	0.0006
32.5000	188003.4	32.5017	0.0017

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

