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SENSOR SERIAL NUMBER: 1805 CALIBRATION DATE: 17-Jan-25 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.002950e-005 a1 = 2.705697e-004 a2 = -2.219484e-006 a3 = 1.427523e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
-1.5000	934541.2	-1.4999	0.0001
1.0000	832414.2	0.9999	-0.0001
4.5000	709998.3	4.5000	-0.0000
8.0000	607623.7	7.9999	-0.0001
11.5000	521705.1	11.5001	0.0001
15.0000	449358.4	15.0001	0.0001
18.5000	388236.5	18.5001	0.0001
22.0000	336434.0	22.0000	-0.0000
25.5000	292392.0	25.4998	-0.0002
29.0000	254831.2	28.9999	-0.0001
32.5001	222704.6	32.5002	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

