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SENSOR SERIAL NUMBER: 1805 CALIBRATION DATE: 22-Feb-25 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.121121e-004 a1 = 3.080429e-004 a2 = -4.496225e-006 a3 = 2.015337e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
-1.5000	633724.6	-1.5000	0.0000
1.0000	565652.8	1.0000	-0.0000
4.5000	483875.8	4.5000	-0.0000
8.0000	415306.3	8.0000	-0.0000
11.5000	357611.1	11.5000	0.0000
15.0000	308904.1	15.0001	0.0001
18.5000	267651.1	18.5000	0.0000
22.0000	232599.4	22.0000	0.0000
25.5000	202724.7	25.5000	-0.0000
29.0001	177185.2	29.0000	-0.0001
32.5000	155288.0	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

