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SENSOR SERIAL NUMBER: 3979 CALIBRATION DATE: 18-Feb-24 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.161322e-005 a1 = 2.648889e-004 a2 = -1.422035e-006 a3 = 1.316969e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	671131.2	0.9999	0.0000
4.4999	574949.4	4.4998	-0.0001
14.9999	368473.0	15.0000	0.0001
18.5000	319623.2	18.5000	-0.0000
23.9999	257099.1	23.9999	-0.0000
29.0000	212192.4	29.0000	-0.0000
32.5000	186113.0	32.5000	0.0000

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

