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SENSOR SERIAL NUMBER: 3764 CALIBRATION DATE: 09-Apr-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.293716e-005 a1 = 2.638621e-004 a2 = -1.348192e-006 a3 = 1.321081e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	645078.8	0.9999	0.0000
4.5000	552871.6	4.5000	-0.0000
15.0000	354759.5	15.0001	0.0001
18.5000	307844.3	18.5000	-0.0000
24.0000	247762.9	23.9999	-0.0001
29.0000	204585.0	29.0001	0.0001
32.5000	179498.6	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

