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SENSOR SERIAL NUMBER: 3766 CALIBRATION DATE: 17-Jan-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.171072e-005 a1 = 2.765945e-004 a2 = -2.318844e-006 a3 = 1.573803e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	591498.7	1.0002	0.0002
4.4999	506872.0	4.4995	-0.0004
15.0000	325060.2	15.0004	0.0004
18.5000	282031.2	18.5000	-0.0000
24.0000	226935.4	23.9998	-0.0002
29.0000	187351.6	28.9999	-0.0001
32.5000	164357.0	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

