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SENSOR SERIAL NUMBER: 1858 CALIBRATION DATE: 05-May-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -2.684039e-006 a1 = 2.765840e-004 a2 = -2.332699e-006 a3 = 1.593899e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	616247.9	1.0001	0.0001
4.5000	528345.6	4.4998	-0.0002
15.0000	339326.8	15.0003	0.0003
18.4999	294540.2	18.4998	-0.0001
24.0000	237155.9	23.9999	-0.0001
28.9999	195901.5	28.9999	0.0000
32.5001	171923.1	32.5001	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

