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SENSOR SERIAL NUMBER: 1858 CALIBRATION DATE: 19-Jun-18 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.430437e-005 a1 = 2.912408e-004 a2 = -3.493707e-006 a3 = 1.900112e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	616279.0	1.0000	0.0000
4.5000	528372.8	4.4999	-0.0001
15.0000	339347.3	15.0000	-0.0000
18.5000	294548.9	18.5001	0.0001
24.0000	237163.3	23.9999	-0.0001
29.0000	195906.6	29.0000	0.0000
32.5001	171928.7	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

