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SENSOR SERIAL NUMBER: 50236 SBE 16plus V2 TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 16-Oct-17 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.248537e-003 a1 = 2.762129e-004 a2 = -1.278485e-006 a3 = 1.887174e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	557107.727	1.0000	0.0000
4.5000	491781.800	4.5000	-0.0000
15.0000	332258.818	15.0000	0.0000
18.5000	290058.000	18.4999	-0.0001
23.9940	233246.273	23.9940	-0.0000
29.0000	190230.800	29.0000	0.0000
32.5000	164420.800	32.5000	-0.0000

n = Instrument Output (counts)

MV = (n - 524288) / 1.6e + 007

R = (MV * 2.900e+009 + 1.024e+008) / (2.048e+004 - MV * 2.0e+005)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(R)] + a2[ln^2(R)] + a3[ln^3(R)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

