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SENSOR SERIAL NUMBER: 2336 CALIBRATION DATE: 07-May-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.766990e-004 a1 = 3.798936e-004 a2 = -1.166031e-005 a3 = 4.263793e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	663509.5	1.0001	0.0001
4.5000	568142.9	4.4998	-0.0002
14.9999	363113.1	15.0001	0.0002
18.4999	314587.6	18.5000	0.0001
23.9999	252506.3	23.9997	-0.0002
29.0000	207958.2	28.9999	-0.0001
32.5000	182113.8	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

