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SENSOR SERIAL NUMBER: 2355 CALIBRATION DATE: 06-May-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.595202e-005 a1 = 2.812276e-004 a2 = -2.843373e-006 a3 = 1.641359e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9998	811425.7	0.9998	-0.0000
4.4999	694094.9	4.4999	0.0000
14.9999	442920.8	14.9999	-0.0000
18.5000	383670.6	18.5000	-0.0000
23.9999	307970.2	23.9999	0.0000
28.9999	253712.9	28.9999	0.0000
32.5000	222253.4	32.5000	-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

