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SENSOR SERIAL NUMBER: 2321 SBE 37 TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 16-Apr-23 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.188881e-005 a1 = 3.035502e-004 a2 = -4.898970e-006 a3 = 2.231687e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	693872.7	1.0000	-0.0000
4.5000	592853.9	4.5000	0.0000
15.0000	376962.8	14.9999	-0.0001
18.5000	326139.7	18.5001	0.0001
24.0000	261294.0	24.0000	-0.0000
29.0000	214890.9	29.0000	0.0000
32.5000	188022.7	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

