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SENSOR SERIAL NUMBER: 1527 SBE 37 TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 27-Dec-24 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.685122e-005 a1 = 2.677656e-004 a2 = -1.613677e-006 a3 = 1.373247e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	664575.4	1.0001	0.0001
4.5000	569542.9	4.4998	-0.0002
15.0000	365379.7	15.0002	0.0002
18.5000	317046.4	18.5000	-0.0000
24.0000	255153.2	23.9999	-0.0001
29.0000	210680.1	28.9999	-0.0001
32.5000	184841.4	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

