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SENSOR SERIAL NUMBER: 1852 CALIBRATION DATE: 07-Apr-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.313328e-005 a1 = 2.766935e-004 a2 = -2.326504e-006 a3 = 1.580812e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	706638.7	0.9999	0.0000
4.4999	606047.0	4.4999	-0.0000
15.0000	389624.6	15.0000	0.0000
18.5000	338302.2	18.4999	-0.0001
24.0000	272523.8	24.0001	0.0001
29.0000	225215.1	28.9999	-0.0001
32.5000	197706.5	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

