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SENSOR SERIAL NUMBER: 1851 CALIBRATION DATE: 14-Apr-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.918888e-005 a1 = 2.839621e-004 a2 = -3.001654e-006 a3 = 1.756708e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	634017.2	1.0000	-0.0000
4.4999	543139.4	4.4999	0.0000
15.0000	348018.6	15.0001	0.0001
18.5000	301856.4	18.4998	-0.0002
24.0000	242767.0	24.0001	0.0001
29.0000	200335.3	29.0000	0.0000
32.5000	175695.7	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

