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SENSOR SERIAL NUMBER: 1866 CALIBRATION DATE: 07-Apr-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -5.071171e-005 a1 = 2.853097e-004 a2 = -3.056102e-006 a3 = 1.779742e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	650652.8	0.9999	-0.0000
4.4999	557772.5	4.4999	0.0000
15.0000	358102.1	15.0000	0.0000
18.5000	310794.5	18.4999	-0.0001
24.0000	250196.0	24.0000	-0.0000
29.0000	206638.0	29.0001	0.0001
32.5000	181326.7	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

