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SENSOR SERIAL NUMBER: 3769 CALIBRATION DATE: 08-Mar-18 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -6.518749e-005 a1 = 2.919698e-004 a2 = -3.472114e-006 a3 = 1.881234e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	599641.6	0.9999	0.0000
4.4999	514132.0	4.4998	-0.0001
15.0000	330263.7	15.0000	-0.0000
18.4999	286687.8	18.5001	0.0002
24.0000	230866.4	23.9999	-0.0001
29.0000	190732.9	29.0000	-0.0000
32.5000	167406.5	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

