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SENSOR SERIAL NUMBER: 9769  
 CALIBRATION DATE: 11-Sep-17

SBE 41 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.043124e-004  
 a1 = 2.872048e-004  
 a2 = -3.443515e-006  
 a3 = 1.426429e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	15153858.8	1.0000	0.0000
4.5000	12930119.1	4.5000	-0.0000
15.0000	8192242.1	15.0000	0.0000
18.5000	7080385.5	18.4999	-0.0001
23.9940	5665207.3	23.9940	0.0000
29.0000	4651971.4	29.0000	0.0000
32.5000	4066822.7	32.5000	-0.0000

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

