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SENSOR SERIAL NUMBER: 11712  
CALIBRATION DATE: 11-May-23

SBE 41 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.949448e-004  
a1 = 2.955673e-004  
a2 = -3.854030e-006  
a3 = 1.535490e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	15962463.4	1.0000	0.0000
4.4999	13650410.6	4.4999	-0.0000
14.9999	8703545.8	15.0000	0.0001
18.5000	7537422.5	18.5000	-0.0000
23.9940	6049432.0	23.9939	-0.0001
29.0001	4980840.1	29.0002	0.0001
32.5000	4362355.6	32.5000	-0.0000

n = Instrument Output (counts)

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

