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SENSOR SERIAL NUMBER: 1860  
CALIBRATION DATE: 05-May-19

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.048393e-004  
a1 = 2.957806e-004  
a2 = -3.822212e-006  
a3 = 1.977357e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	659041.2	0.9999	0.0000
4.5000	565164.3	4.4999	-0.0001
14.9999	363217.1	14.9999	0.0000
18.4999	315335.3	18.5000	0.0001
23.9999	253981.7	23.9999	-0.0000
28.9999	209861.9	28.9998	-0.0001
32.5001	184211.1	32.5002	0.0001

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

