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SENSOR SERIAL NUMBER: 1805  
CALIBRATION DATE: 19-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.404661e-004  
a1 = 3.186723e-004  
a2 = -5.483370e-006  
a3 = 2.268749e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	569261.7	1.0000	0.0000
4.5000	486405.7	4.5000	-0.0000
15.0000	309483.7	15.0000	-0.0000
18.5000	267863.2	18.5001	0.0001
24.0000	214768.4	24.0000	-0.0000
29.0000	176777.0	29.0000	-0.0000
32.5001	154777.3	32.5001	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

