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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 25-Apr-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.390633e-005
a1 = 2.844000e-004
a2 = -2.975918e-006
a3 = 1.767916e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	659037.4	1.0000	0.0000
4.5000	565165.5	4.5000	-0.0000
15.0000	363220.5	15.0000	0.0000
18.5000	315336.7	18.5000	-0.0000
24.0000	253975.0	24.0000	0.0000
29.0000	209847.9	29.0000	-0.0000
32.5001	184193.4	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

