

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 05-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.006193e-004
a1 = 2.948755e-004
a2 = -3.759139e-006
a3 = 1.963196e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	659016.9	1.0000	0.0000
4.5000	565150.0	4.5000	-0.0000
15.0000	363216.2	15.0000	0.0000
18.5000	315338.1	18.5000	-0.0000
24.0000	253984.0	24.0000	0.0000
29.0000	209864.5	28.9999	-0.0001
32.5000	184215.6	32.5000	0.0000

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

Residual = instrument temperature - bath temperature

n = instrument output

