

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 03-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.129965e-005
a1 = 2.902610e-004
a2 = -3.452689e-006
a3 = 1.885508e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	650658.0	1.0000	0.0000
4.5000	557782.2	4.5000	-0.0000
15.0000	358110.9	15.0001	0.0001
18.5000	310802.5	18.4999	-0.0001
24.0000	250200.3	24.0001	0.0001
29.0000	206642.3	29.0000	-0.0000
32.5000	181329.3	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

