

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0092
CALIBRATION DATE: 29-Jan-15

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.666079e-006
a1 = 2.772411e-004
a2 = -2.473046e-006
a3 = 1.594656e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	628119.9	1.0000	-0.0000
4.5000	537709.8	4.5000	0.0000
15.0000	343878.3	15.0000	0.0000
18.5000	298085.7	18.4999	-0.0001
24.0000	239520.6	24.0000	0.0000
29.0000	197502.2	29.0001	0.0001
32.5000	173120.6	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

