

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0361
CALIBRATION DATE: 13-Nov-12

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.904520e-005
a1 = 2.750538e-004
a2 = -2.550570e-006
a3 = 1.531117e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689023.1	1.0000	0.0000
4.5000	587645.7	4.5000	-0.0000
15.0000	371831.1	15.0000	-0.0000
18.5000	321229.7	18.5000	0.0000
24.0000	256799.8	24.0000	0.0000
29.0000	210805.5	28.9999	-0.0001
32.5000	184218.8	32.5001	0.0001

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

