

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0122
CALIBRATION DATE: 20-Oct-15

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.477637e-004
a1 = 3.137167e-004
a2 = -4.911196e-006
a3 = 2.161905e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	788618.0	1.0000	0.0000
4.5000	676323.4	4.4999	-0.0001
15.0000	434818.6	15.0001	0.0001
18.5000	377573.8	18.5000	-0.0000
23.9999	304222.4	24.0000	0.0001
29.0000	251478.8	28.9998	-0.0002
32.5000	220813.0	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

n = instrument output

