

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0360
CALIBRATION DATE: 07-Mar-14

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.408188e-005
a1 = 2.765323e-004
a2 = -2.648070e-006
a3 = 1.567408e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	674673.8	1.0000	-0.0000
4.5000	575616.5	4.5000	0.0000
15.0000	364595.9	15.0000	0.0000
18.5000	315081.9	18.5000	-0.0000
24.0000	252009.4	24.0000	-0.0000
29.0001	206958.4	29.0002	0.0001
32.5000	180912.4	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

