

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9016
CALIBRATION DATE: 18-Jan-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.290709e-004
a1 = 3.127465e-004
a2 = -4.895058e-006
a3 = 2.108653e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	571345.0	1.0000	0.0000
4.5000	488517.0	4.5000	-0.0000
15.0000	311453.0	14.9999	-0.0001
18.5000	269744.0	18.5001	0.0001
24.0000	216495.0	24.0000	0.0000
29.0000	178360.0	28.9999	-0.0001
32.5000	156259.0	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

