

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1244
CALIBRATION DATE: 18-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.221292e-004

a1 = 2.913084e-004

a2 = -3.465815e-006

a3 = 1.831282e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	775296.0	1.0000	0.0000
4.4999	664352.6	4.4998	-0.0001
14.9999	426052.7	14.9999	0.0000
18.5000	369644.3	18.5000	0.0000
24.0000	297430.5	24.0000	-0.0000
29.0000	245553.1	29.0000	-0.0000
32.5000	215419.8	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

