

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0812
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.956179e-004

a1 = 3.433565e-004

a2 = -7.294550e-006

a3 = 2.797748e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	614973.2	1.0001	0.0001
4.5000	526886.9	4.4999	-0.0001
15.0000	337786.5	15.0001	0.0001
18.4999	293057.4	18.4999	-0.0000
24.0000	235810.5	24.0000	0.0000
29.0000	194706.3	28.9999	-0.0001
32.5000	170836.8	32.5001	0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

