

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.939673e-005

a1 = 2.720702e-004

a2 = -1.911934e-006

a3 = 1.473516e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	599683.1	1.0000	0.0000
4.4999	514162.6	4.4999	-0.0000
15.0000	330280.0	15.0001	0.0001
18.5000	286704.7	18.4999	-0.0001
24.0000	230875.1	24.0001	0.0001
29.0000	190738.8	28.9998	-0.0002
32.5000	167406.8	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

