

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3766
CALIBRATION DATE: 07-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 5.583757e-005
a1 = 2.660021e-004
a2 = -1.471013e-006
a3 = 1.347434e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	591570.5	1.0001	0.0001
4.4999	506913.4	4.4998	-0.0001
15.0000	325084.5	15.0001	0.0001
18.5000	282046.5	18.5000	0.0000
23.9999	226946.6	23.9999	-0.0000
29.0001	187359.2	29.0000	-0.0001
32.5001	164362.5	32.5002	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

Date, Delta T (mdeg C)

