

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 18-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.041617e-004

a1 = 3.021720e-004

a2 = -3.973800e-006

a3 = 1.905729e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9997	800447.8	0.9999	0.0002
4.4999	686426.8	4.4996	-0.0003
15.0000	441249.3	15.0002	0.0002
18.5000	383150.4	18.5000	0.0000
24.0000	308709.4	23.9999	-0.0001
29.0000	255182.8	28.9998	-0.0002
32.5000	224062.3	32.5002	0.0002

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)

