

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0047
CALIBRATION DATE: 19-Jun-11

SBE 48 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.872113e-006
a1 = 2.715217e-004
a2 = -2.284995e-006
a3 = 1.450152e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	837077.7	1.0000	-0.0000
4.5000	714156.4	4.5000	0.0000
15.0000	452318.5	15.0000	-0.0000
18.5000	390881.6	18.5000	-0.0000
24.0000	312622.4	24.0000	0.0000
29.0000	256728.6	29.0000	0.0000
32.5000	224409.7	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

Date, Delta T (mdeg C)

 19-Jun-11 -0.00

