

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0040

CALIBRATION DATE: 07-Sep-11

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS

a0 = -1.623998e-004

a1 = 3.193981e-004

a2 = -5.419629e-006

a3 = 2.252168e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	578970.8	1.0000	-0.0000
4.5000	495139.1	4.5001	0.0001
15.0000	315857.4	14.9999	-0.0001
18.5000	273606.5	18.5001	0.0001
23.9999	219654.4	23.9999	-0.0000
29.0000	181002.0	29.0001	0.0001
32.5000	158600.5	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)

