

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0042

CALIBRATION DATE: 30-Mar-13

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS

a0 = -1.647695e-004

a1 = 3.242648e-004

a2 = -5.963039e-006

a3 = 2.417585e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	568858.2	0.9999	-0.0000
4.5000	486239.0	4.5001	0.0001
15.0000	309688.2	15.0000	-0.0000
18.5000	268121.0	18.5000	-0.0000
24.0000	215066.5	24.0001	0.0001
29.0000	177088.7	29.0000	-0.0000
32.5000	155088.3	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)

