

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0039

CALIBRATION DATE: 07-Sep-11

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS

a0 = -1.495376e-004

a1 = 3.189688e-004

a2 = -5.438691e-006

a3 = 2.256173e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	569690.4	1.0001	0.0001
4.5000	486991.4	4.4999	-0.0001
15.0000	310256.2	15.0000	-0.0000
18.5000	268643.6	18.5002	0.0002
23.9999	215535.1	23.9999	-0.0000
29.0000	177510.8	28.9998	-0.0002
32.5000	155479.7	32.5001	0.0001

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)

07-Sep-11 0.00

