

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041

CALIBRATION DATE: 03-Nov-11

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.304146e-004

a1 = 3.131112e-004

a2 = -4.987268e-006

a3 = 2.152378e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576273.7	0.9999	-0.0001
4.5000	492799.2	4.5001	0.0001
15.0000	314292.6	15.0000	-0.0000
18.5000	272230.2	18.4999	-0.0001
24.0000	218512.9	24.0001	0.0001
29.0000	180036.1	29.0001	0.0001
32.5000	157736.3	32.4999	-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)

03-Nov-11 -0.00

