

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0040

CALIBRATION DATE: 09-Mar-13

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.785594e-004

a1 = 3.233015e-004

a2 = -5.732591e-006

a3 = 2.335449e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	578989.7	1.0001	0.0001
4.5000	495160.0	4.4999	-0.0001
15.0000	315860.5	15.0000	0.0000
18.5000	273607.8	18.5001	0.0001
24.0000	219651.4	24.0000	0.0000
28.9999	181002.1	28.9996	-0.0003
32.5000	158596.0	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)

