

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0042

CALIBRATION DATE: 04-Apr-13

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.213363e-004

a1 = 3.138467e-004

a2 = -5.128127e-006

a3 = 2.194052e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	568901.1	1.0002	0.0002
4.5000	486275.9	4.4997	-0.0003
15.0000	309685.6	15.0002	0.0002
18.5000	268116.3	18.5002	0.0002
24.0000	215063.5	23.9997	-0.0003
29.0000	177081.0	28.9999	-0.0001
32.5000	155077.5	32.5002	0.0002

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)

