

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041

CALIBRATION DATE: 25-Sep-13

SBE GLIDER PAYLOAD CTD

TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.080084×10^{-5}

a1 = 2.939984×10^{-4}

a2 = -3.459869×10^{-6}

a3 = 1.746050×10^{-7}

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576271.2	0.9999	-0.0001
4.5000	492784.4	4.5003	0.0003
15.0000	314290.4	14.9999	-0.0001
18.5000	272232.7	18.4997	-0.0003
24.0000	218515.3	24.0003	0.0003
29.0000	180041.3	29.0000	0.0000
32.5000	157740.7	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)

