

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2323
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.152470e-004

a1 = 3.059196e-004

a2 = -5.268156e-006

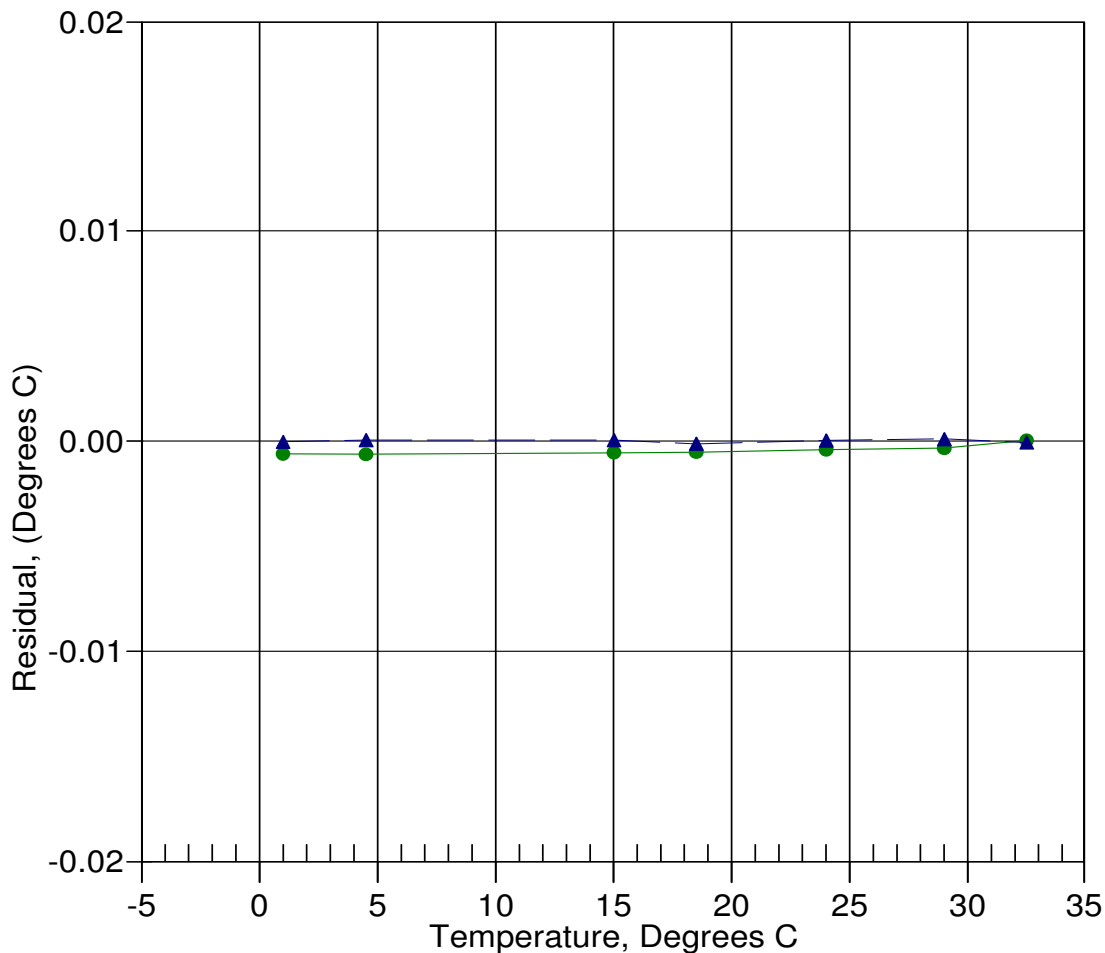
a3 = 2.369978e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	754677.9	1.0000	-0.0000
4.5000	645024.2	4.5000	0.0000
15.0000	410448.5	15.0000	0.0000
18.5000	355179.8	18.4999	-0.0001
24.0000	284618.7	24.0000	0.0000
29.0000	234104.5	29.0001	0.0001
32.4999	204848.5	32.4998	-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)



12-Dec-12 -0.43
05-Feb-14 -0.00