

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1807
CALIBRATION DATE: 04-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

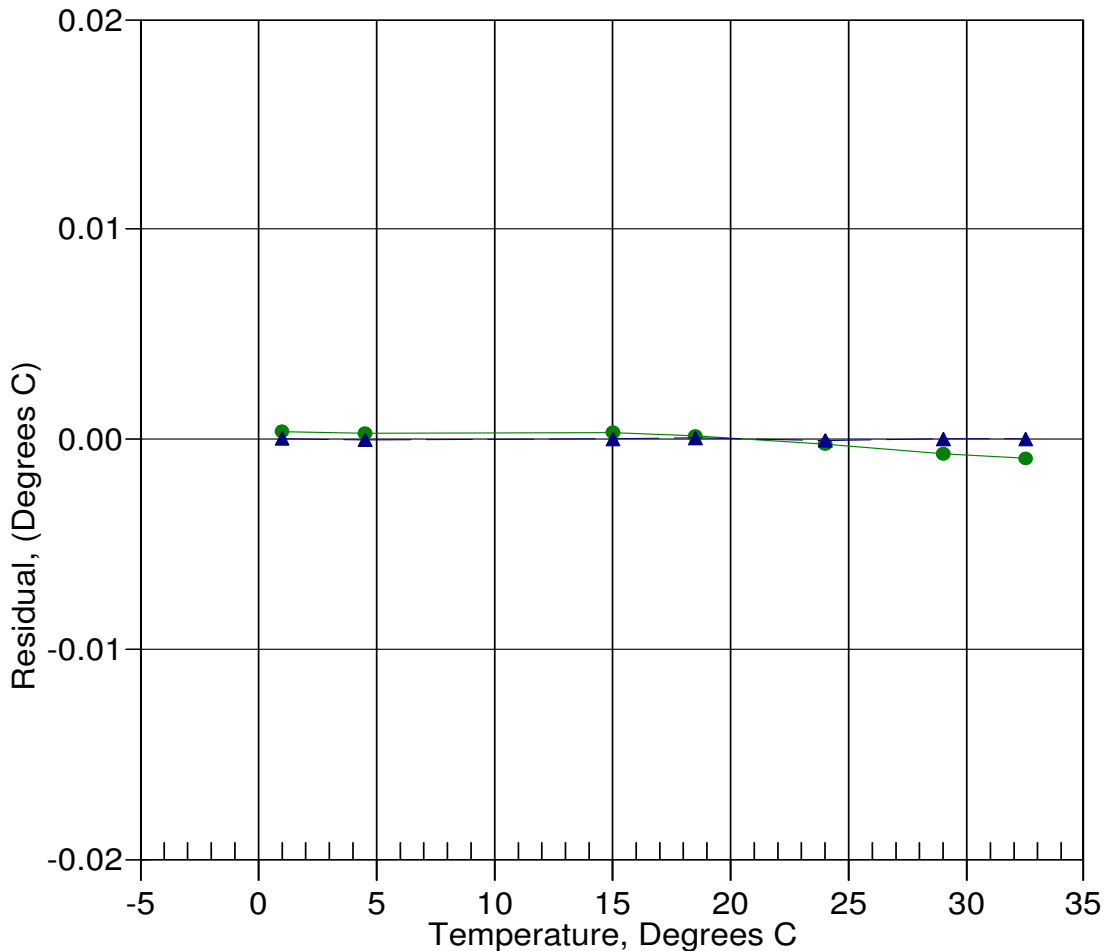
a0 = -2.000987e-006
a1 = 2.784198e-004
a2 = -2.785628e-006
a3 = 1.677168e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	695589.6	1.0000	0.0000
4.5000	594853.3	4.5000	-0.0000
15.0000	379248.3	15.0000	0.0000
18.5000	328408.2	18.5001	0.0001
24.0000	263469.7	23.9999	-0.0001
29.0000	216940.2	29.0000	0.0000
32.4999	189971.3	32.4999	0.0000

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)



11-Dec-12 -0.11
04-Feb-14 0.00