

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1246
CALIBRATION DATE: 17-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 5.126424e-005

a1 = 2.686132e-004

a2 = -1.783473e-006

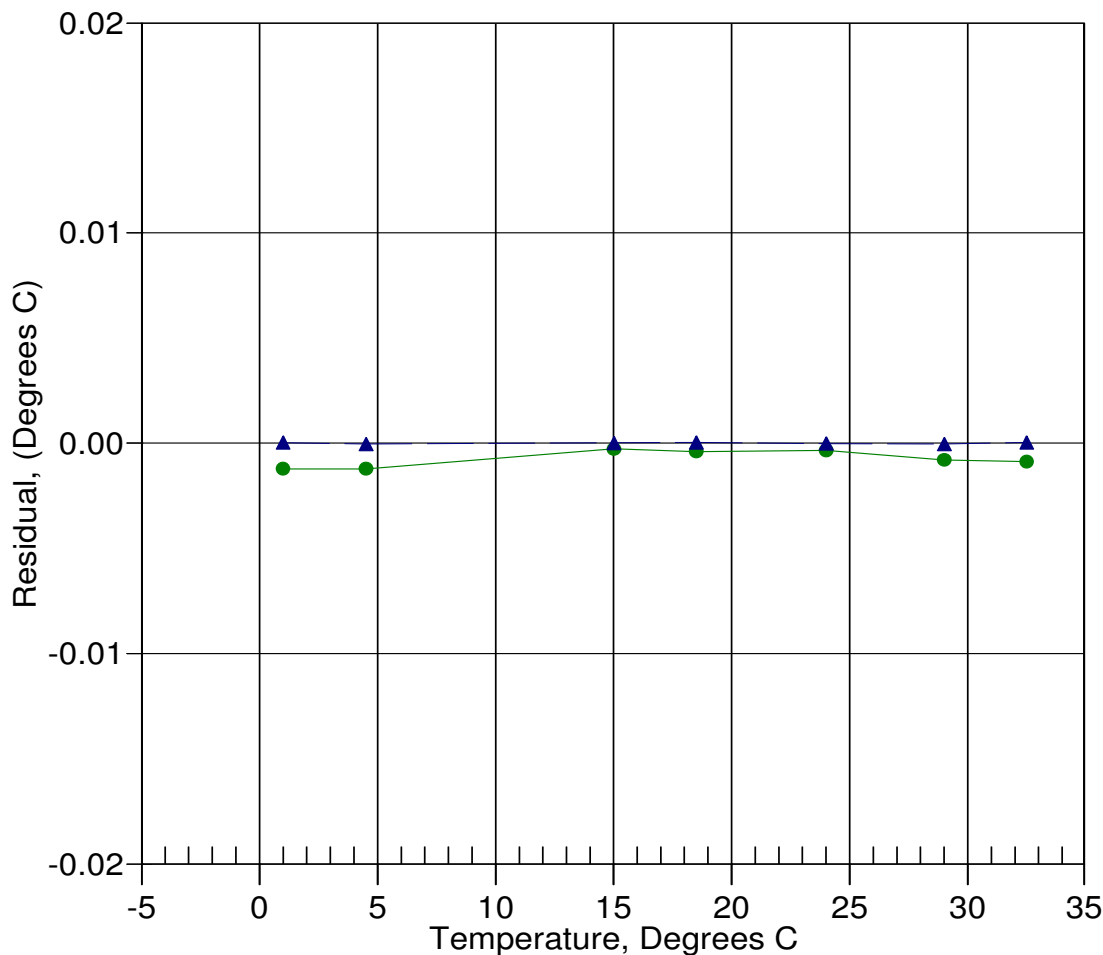
a3 = 1.409695e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	612820.5	1.0000	0.0000
4.5000	524535.7	4.5000	-0.0000
15.0000	335319.4	15.0000	0.0000
18.5000	290630.1	18.5000	0.0000
24.0000	233489.7	24.0000	-0.0000
29.0000	192499.7	29.0000	-0.0000
32.5000	168716.3	32.5000	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)



10-Dec-09 -0.74
17-Apr-12 0.00