

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 08-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.914018e-005

a1 = 2.815137e-004

a2 = -2.877565e-006

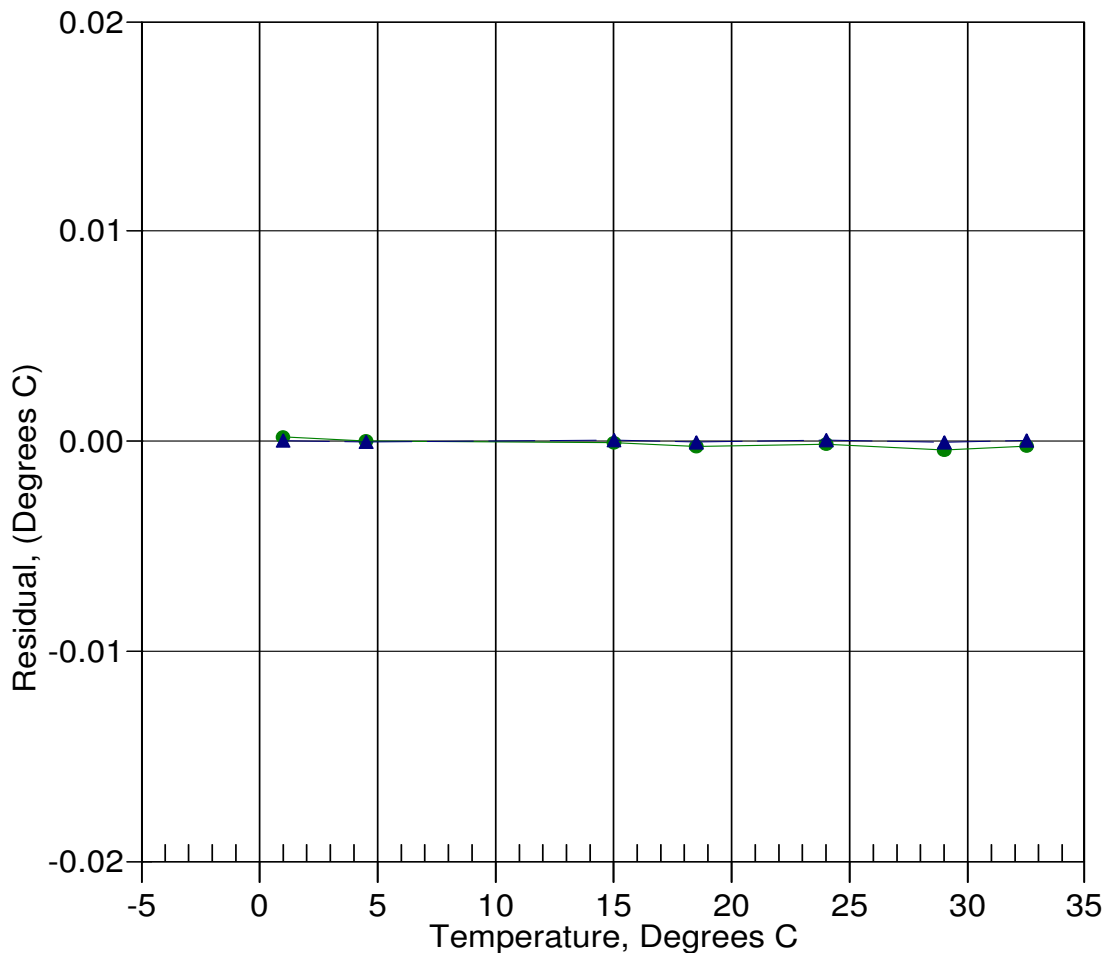
a3 = 1.684804e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	744990.2	1.0000	0.0000
4.5000	637633.5	4.5000	-0.0000
15.0000	407529.2	15.0001	0.0001
18.5000	353186.3	18.5000	-0.0000
24.0000	283702.9	24.0000	0.0000
29.0000	233865.8	28.9999	-0.0001
32.5000	204951.3	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)



11-Dec-12 -0.14
08-Feb-14 0.00