

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.404546e-005

a1 = 2.659811e-004

a2 = -1.480775e-006

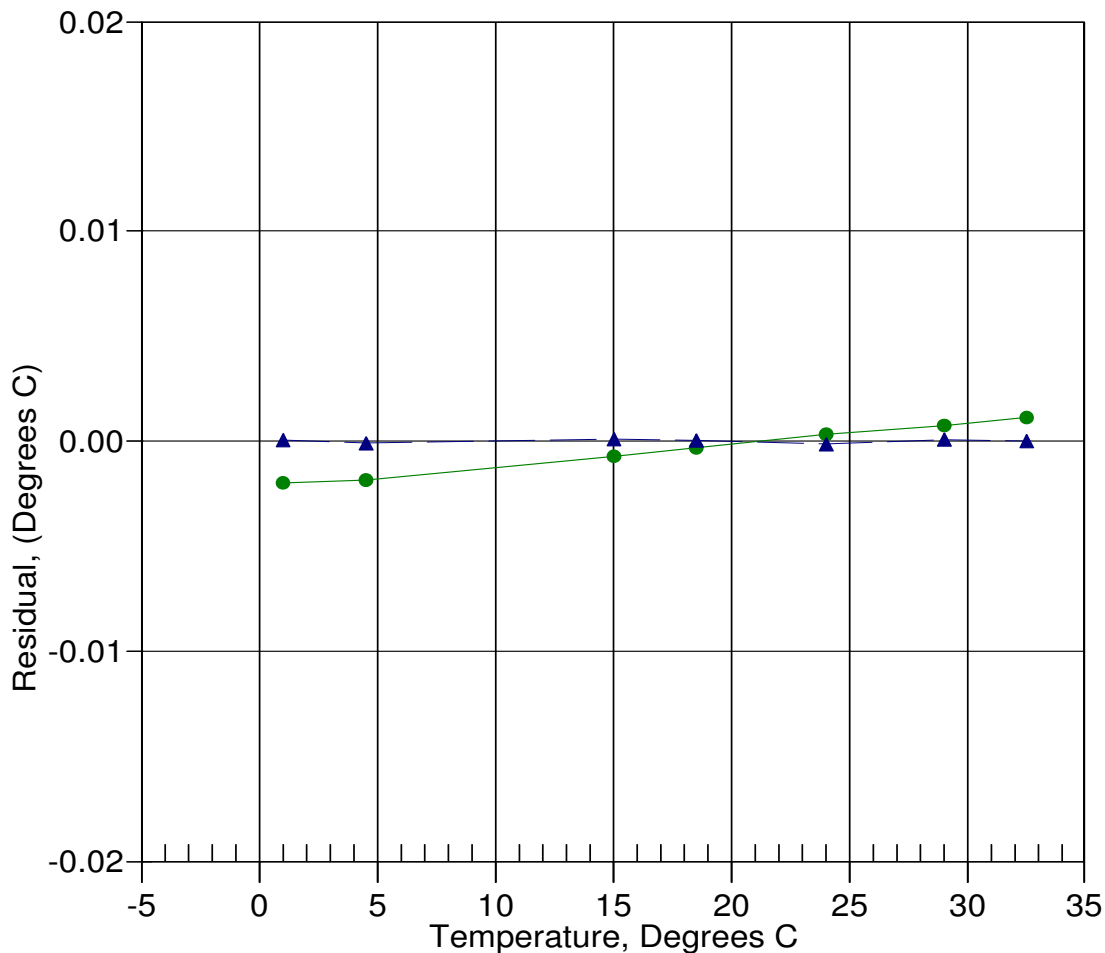
a3 = 1.344959e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	641960.9	1.0000	0.0000
4.5000	550153.0	4.4999	-0.0001
15.0000	352931.5	15.0001	0.0001
18.5000	306238.1	18.5000	0.0000
24.0000	246450.1	23.9999	-0.0001
29.0000	203487.3	29.0001	0.0001
32.4999	178529.3	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)



17-Dec-11 -0.39
05-Feb-14 0.00