

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2327  
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS

a0 = 2.686377e-005

a1 = 2.747144e-004

a2 = -2.342903e-006

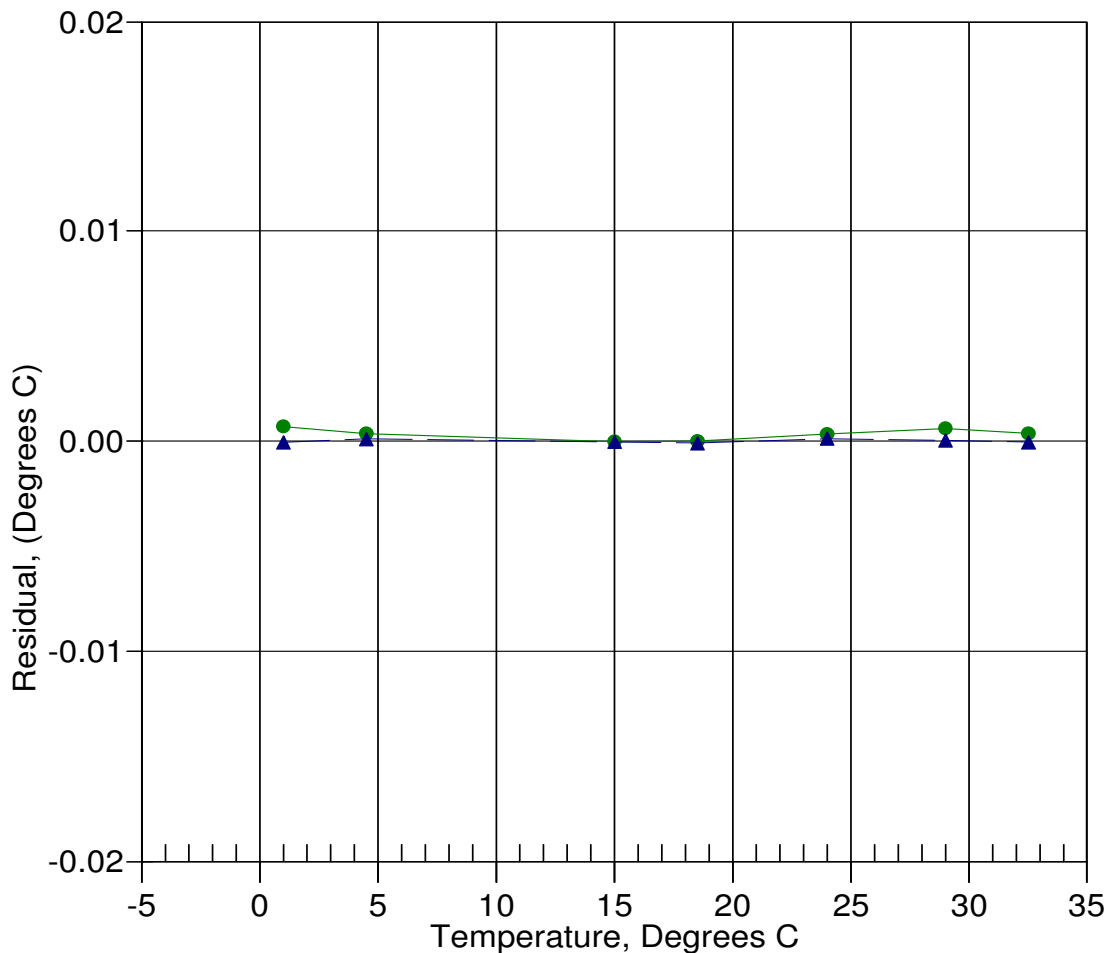
a3 = 1.498181e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	659587.4	0.9999	-0.0001
4.5000	563497.4	4.5001	0.0001
15.0000	358315.1	15.0000	-0.0000
18.5000	310043.0	18.4999	-0.0001
24.0000	248454.7	24.0001	0.0001
29.0000	204389.5	29.0000	0.0000
32.4999	178874.4	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)



● 09-Dec-11 0.33  
▲ 05-Feb-14 -0.00