## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2026 CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

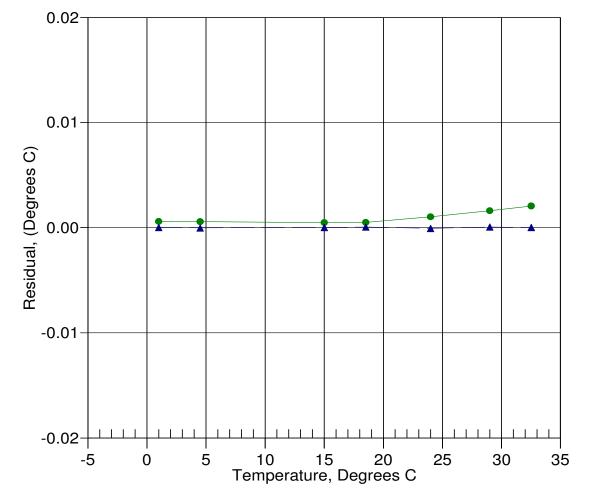
a0 = -2.476413e-006 a1 = 2.751879e-004 a2 = -2.534410e-006a3 = 1.600662e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	737268.9	1.0000	0.0000
4.4999	630443.6	4.4999	-0.0000
15.0000	401843.9	15.0000	0.0000
18.5000	347950.3	18.5001	0.0001
24.0000	279118.2	23.9999	-0.0001
29.0000	229803.9	29.0000	0.0000
32.5000	201222.8	32.5000	-0.0000

Temperature ITS-90 =  $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$  (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)



19-Jan-11 0.97 09-Dec-11 0.00