## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336 CALIBRATION DATE: 13-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

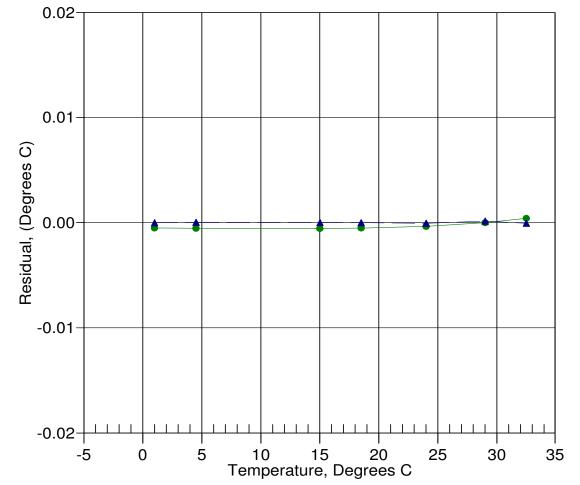
a0 = -3.633766e-004 a1 = 3.766362e-004 a2 = -1.139532e-005a3 = 4.192044e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	663532.7	1.0000	-0.0000
4.4999	568149.2	4.4999	0.0000
15.0000	363117.4	15.0000	0.0000
18.5000	314591.1	18.5000	-0.0000
24.0000	252507.6	23.9999	-0.0001
29.0000	207959.5	29.0001	0.0001
32.5000	182118.5	32.4999	-0.0001

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)



21-Jan-11 -0.31 13-Dec-11 -0.00