## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762 CALIBRATION DATE: 17-Dec-11 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

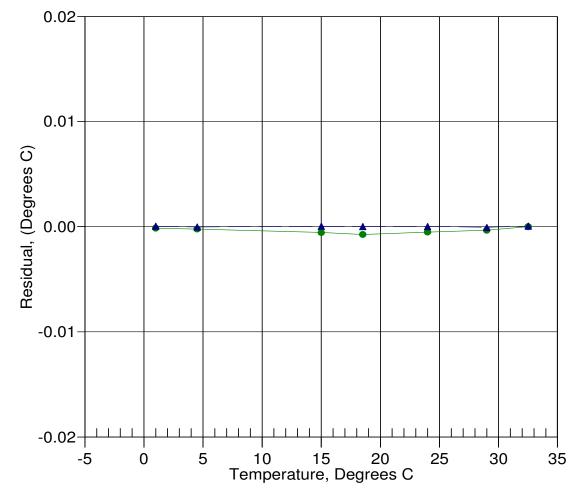
a0 = 1.445540e-006 a1 = 2.737303e-004 a2 = -2.092013e-006 a3 = 1.504916e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642019.2	1.0000	0.0000
4.5000	550195.4	4.5000	-0.0000
15.0000	352943.2	15.0000	0.0000
18.5000	306242.5	18.5000	0.0000
24.0000	246445.7	24.0000	0.0000
29.0000	203482.1	28.9999	-0.0001
32.4999	178521.9	32.4999	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)



20-Jan-11 -0.37 17-Dec-11 0.00