## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3766 CALIBRATION DATE: 16-Dec-11 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

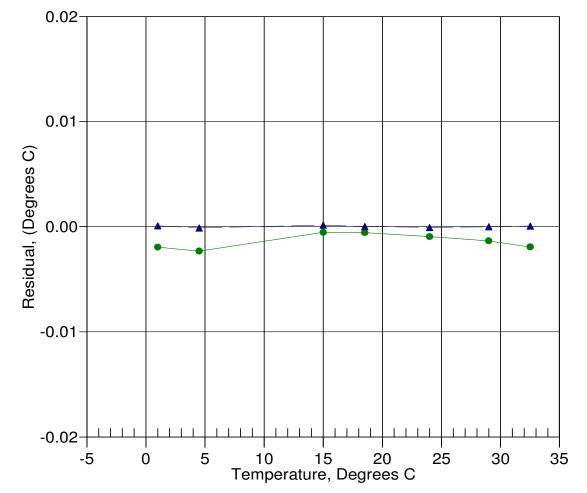
a0 = 6.885417e-005 a1 = 2.632444e-004 a2 = -1.276743e-006a3 = 1.301865e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	591604.5	1.0001	0.0001
4.4999	506940.0	4.4998	-0.0001
14.9999	325092.5	15.0000	0.0001
18.5000	282049.0	18.5000	-0.0000
24.0000	226940.9	23.9999	-0.0001
29.0000	187348.9	29.0000	-0.0000
32.5000	164349.7	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)



30-Jul-09 -1.38 16-Dec-11 0.00