## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1860 CALIBRATION DATE: 10-Dec-11 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

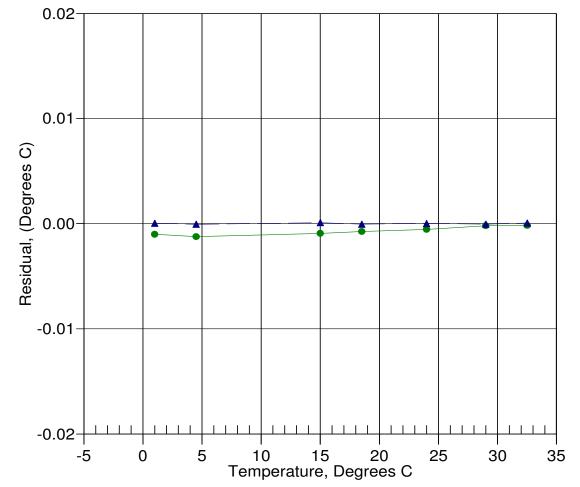
a0 = -5.403334e-005 a1 = 2.839488e-004 a2 = -2.904701e-006 a3 = 1.740463e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	659018.0	1.0000	0.0000
4.5000	565146.6	4.4999	-0.0001
15.0000	363209.6	15.0001	0.0001
18.5000	315332.9	18.4999	-0.0001
24.0000	253979.0	24.0000	0.0000
29.0000	209858.3	28.9999	-0.0001
32.4999	184208.7	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)



23-Jul-09 -0.70 10-Dec-11 0.00