## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678 CALIBRATION DATE: 15-Jan-12 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

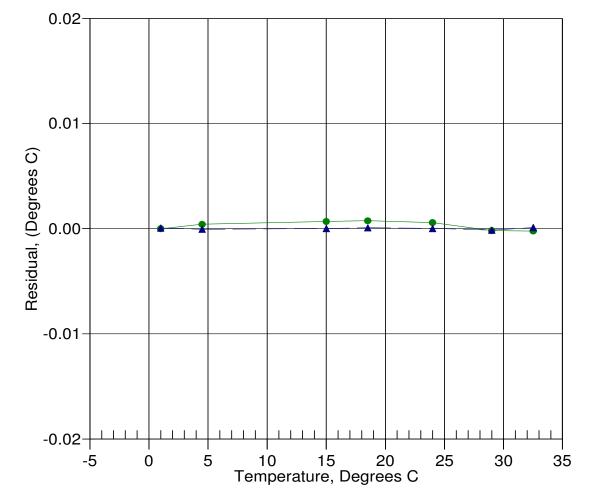
a0 = -5.270729e-005 a1 = 2.826058e-004 a2 = -2.983032e-006a3 = 1.717548e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	744959.8	1.0000	0.0000
4.5000	637619.5	4.4999	-0.0001
15.0000	407531.0	15.0000	-0.0000
18.4999	353187.3	18.5000	0.0001
24.0000	283703.4	24.0000	0.0000
29.0000	233865.1	28.9998	-0.0002
32.5002	204946.5	32.5003	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-Dec-10 0.28 15-Jan-12 0.00