## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2337 CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

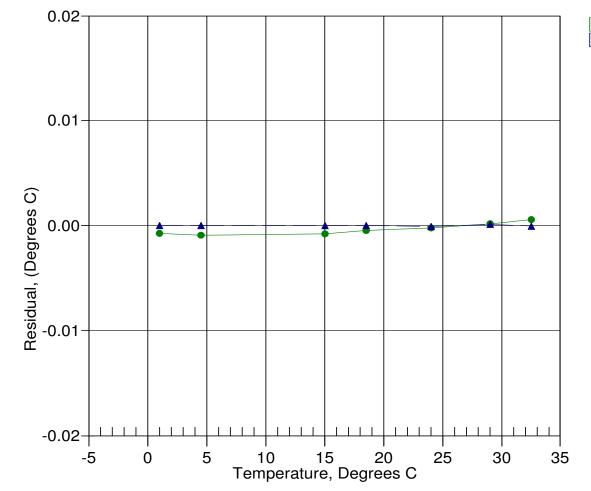
a0 = 1.396426e-005 a1 = 2.779695e-004 a2 = -3.040384e-006a3 = 1.771915e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	727521.3	1.0000	-0.0000
4.5000	621553.1	4.5000	0.0000
15.0000	395090.3	15.0000	0.0000
18.5000	341781.9	18.5000	0.0000
24.0000	273760.9	23.9999	-0.0001
29.0000	225084.7	29.0001	0.0001
32.5000	196902.5	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)



● 12-Dec-12 -0.35 ▲ 06-Feb-14 -0.00