## Sea-Bird Electronics, Inc.

## 13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

**SENSOR SERIAL NUMBER: 1853** CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

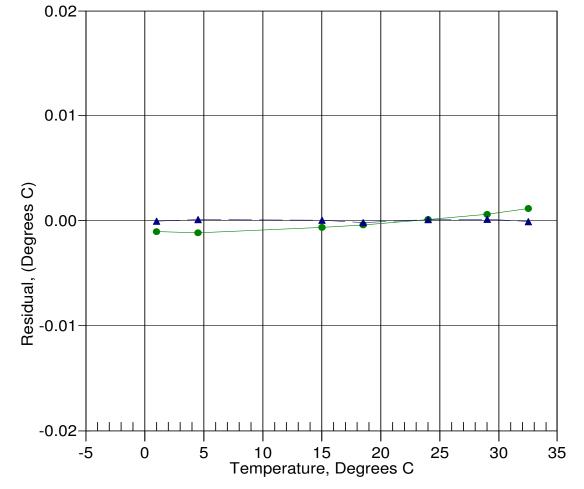
a0 = -3.201120e - 005a1 = 2.840251e-004a2 = -2.946530e - 006a3 = 1.745580e - 007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	623065.9	0.9999	-0.0001
4.5000	533973.8	4.5001	0.0001
15.0000	342564.7	15.0000	0.0000
18.5000	297242.0	18.4998	-0.0002
24.0000	239200.0	24.0001	0.0001
29.0000	197497.3	29.0001	0.0001
32.5000	173271.6	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)





11-Dec-12 -0.21 ▲ 06-Feb-14 -0.00