## 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: 4078 CALIBRATION DATE: 10-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

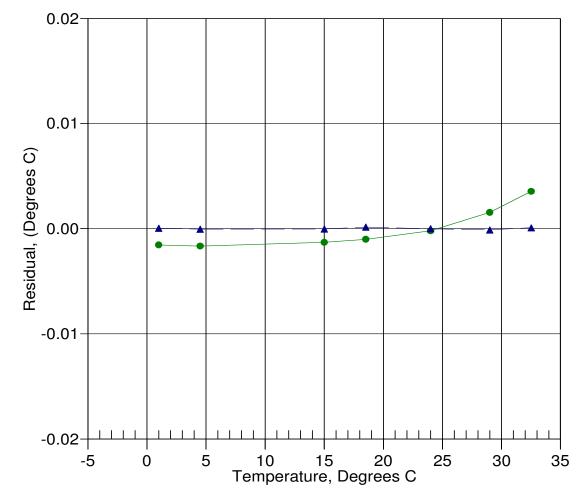
a0 = -2.321169e-005 a1 = 2.795759e-004 a2 = -2.583290e-006a3 = 1.602171e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	666461.5	1.0000	0.0000
4.5000	570613.1	4.4999	-0.0001
15.0000	365082.4	15.0000	-0.0000
18.4999	316513.5	18.5000	0.0001
24.0000	254395.8	24.0000	-0.0000
29.0000	209820.7	28.9999	-0.0001
32.5000	183948.8	32.5001	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-Feb-09 -0.10 10-Dec-11 0.00