## **SEA-BIRD ELECTRONICS, INC.**

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

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

SENSOR SERIAL NUMBER: 1858 CALIBRATION DATE: 21-Dec-10 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

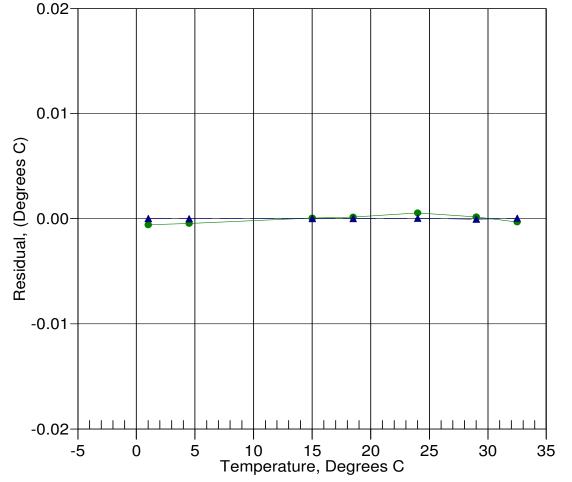
a0 = -2.722456e-005 a1 = 2.825024e-004 a2 = -2.807503e-006 a3 = 1.720575e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	616274.0	1.0000	0.0000
4.5000	528364.3	4.5000	-0.0000
15.0000	339342.5	15.0000	-0.0000
18.5000	294546.5	18.5000	0.0000
23.9999	237160.2	23.9999	0.0000
29.0000	195903.8	28.9999	-0.0001
32.5000	171925.1	32.5000	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)



11-Feb-09 -0.07 21-Dec-10 0.00