

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: 0473
CALIBRATION DATE: 07-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

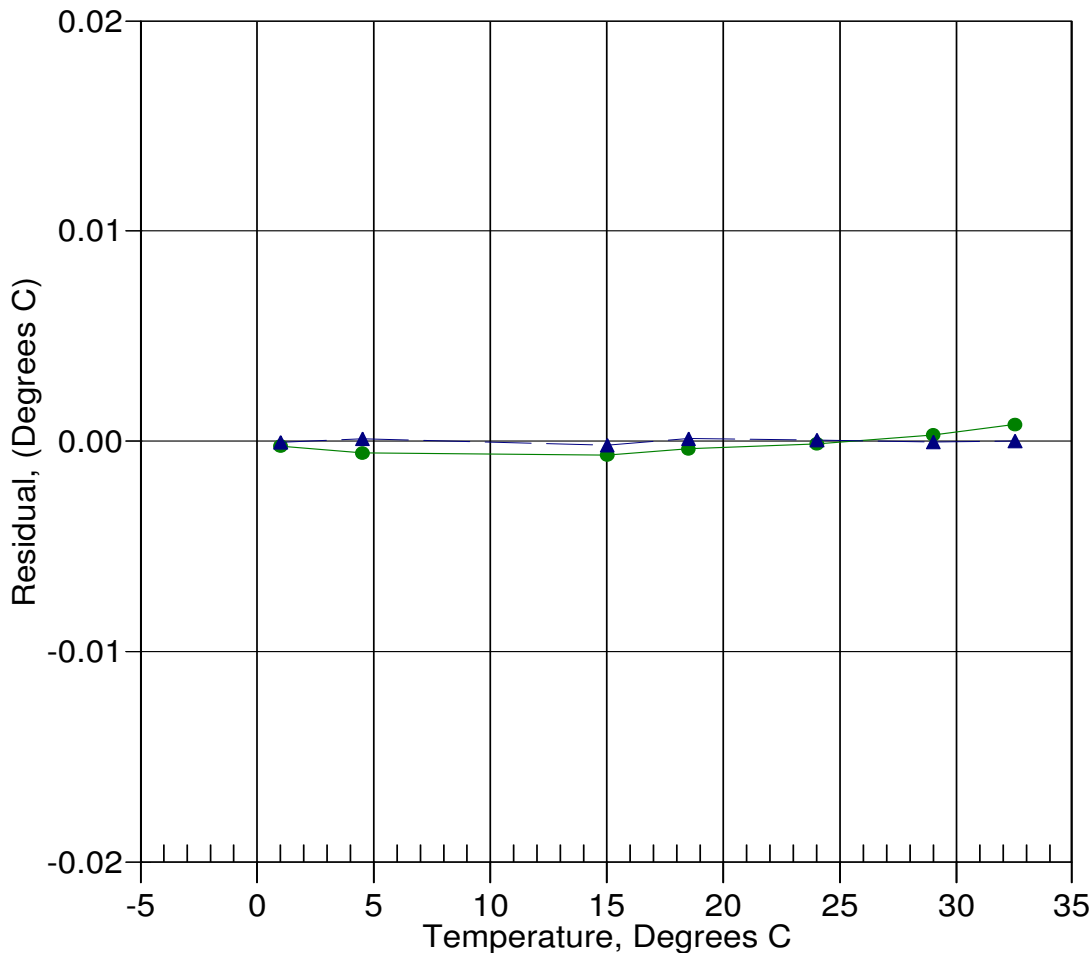
a0 = -3.812268e-005
a1 = 2.786154e-004
a2 = -2.670018e-006
a3 = 1.585327e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	783566.3	0.9998	-0.0001
4.5000	669808.8	4.5001	0.0001
15.0000	426616.6	14.9998	-0.0002
18.5000	369323.2	18.5001	0.0001
24.0000	296185.3	24.0001	0.0001
29.0000	243812.4	29.0000	-0.0000
32.5000	213466.5	32.5000	0.0000

Temperature ITS-90 = $1/[a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)



30-May-07 -0.13
07-Jul-10 -0.00