

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: 1679
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

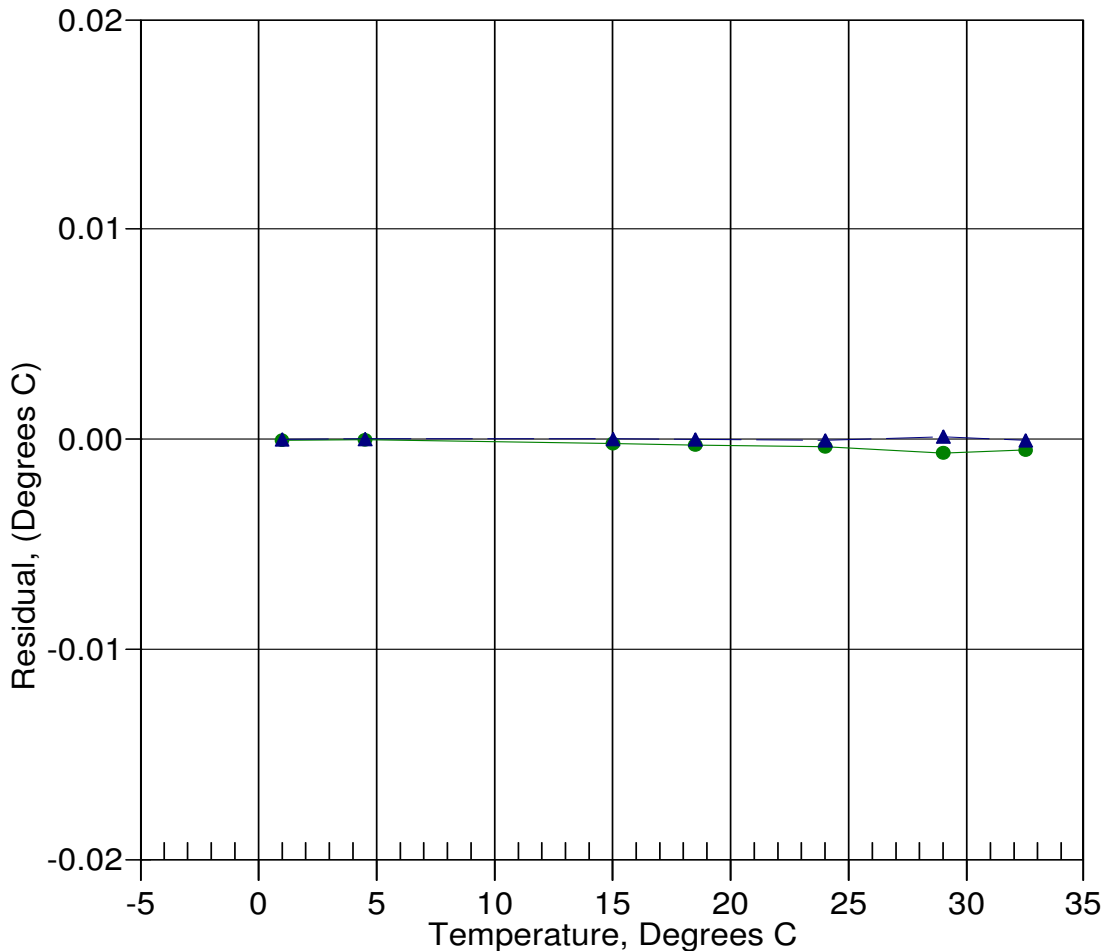
a0 = -2.092337e-005
a1 = 2.793150e-004
a2 = -2.607880e-006
a3 = 1.640336e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	658519.0	1.0000	-0.0000
4.5000	564112.3	4.5000	0.0000
15.0000	361449.2	15.0000	0.0000
18.5000	313502.4	18.5000	-0.0000
24.0000	252138.2	23.9999	-0.0001
29.0000	208069.6	29.0001	0.0001
32.5000	182481.4	32.4999	-0.0001

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)



12-Dec-12 -0.31
06-Feb-14 -0.00