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: 0509 CALIBRATION DATE: 13-Jan-12 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

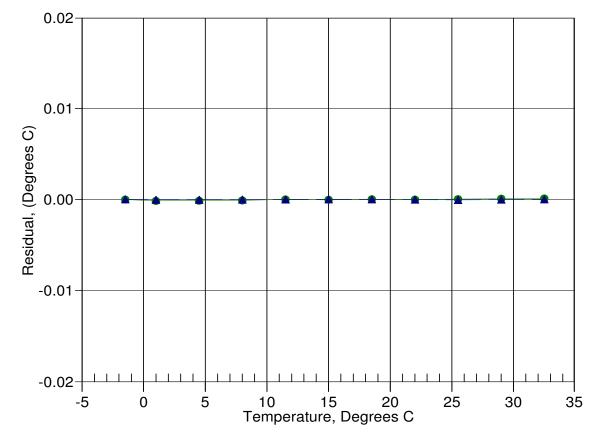
a0 = -3.255629e-005 a1 = 2.795901e-004 a2 = -2.616181e-006 a3 = 1.663695e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	746052.7	-1.5001	0.0000
0.9999	666984.4	0.9999	-0.0000
4.4999	571780.4	4.4999	-0.0000
7.9999	491745.6	7.9999	-0.0000
11.4999	424237.6	11.4999	0.0000
14.9999	367110.9	14.9999	0.0000
18.4999	318616.1	18.4999	0.0000
21.9999	277322.1	21.9999	-0.0000
25.4999	242054.1	25.4999	-0.0000
28.9999	211844.5	28.9999	-0.0000
32.4999	185894.8	32.4999	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)



● 06-Jan-09 -0.01 ▲ 13-Jan-12 0.00