

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: 0990
CALIBRATION DATE: 12-Feb-14

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.491619e-004
a1 = 3.066947e-004
a2 = -4.544569e-006
a3 = 2.010470e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	790303.8	-1.5000	0.0000
1.0000	705051.5	1.0000	-0.0000
4.5000	602687.7	4.5000	-0.0000
8.0000	516908.3	8.0000	-0.0000
11.5000	444778.1	11.5000	0.0000
15.0000	383923.4	15.0000	0.0000
18.5000	332412.7	18.5000	0.0000
22.0000	288673.1	22.0000	0.0000
25.5000	251417.1	25.4999	-0.0001
29.0000	219587.2	28.9999	-0.0001
32.5000	192313.2	32.5001	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

