

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: 0815
CALIBRATION DATE: 17-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -8.547835e-005

a1 = 3.062523e-004

a2 = -5.644652e-006

a3 = 2.587696e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	792016.6	-1.5001	-0.0000
0.9999	706983.7	0.9999	0.0000
4.4999	604715.6	4.4999	0.0000
7.9999	518866.3	7.9999	-0.0000
11.4999	446566.0	11.4999	-0.0000
14.9999	385485.9	14.9999	-0.0000
18.4999	333727.4	18.4999	-0.0000
21.9999	289736.6	21.9999	0.0000
25.4999	252239.1	25.4999	0.0000
28.9999	220186.1	28.9999	-0.0000
32.4999	192710.5	32.4999	-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

