

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: 0814
CALIBRATION DATE: 17-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.870394×10^{-4}

a1 = 4.384028×10^{-4}

a2 = -1.724251×10^{-5}

a3 = 5.995124×10^{-7}

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	772387.3	-1.5001	-0.0000
0.9999	690786.2	0.9999	0.0000
4.4999	592266.9	4.4999	0.0000
7.9999	509224.0	7.9999	-0.0000
11.4999	439033.8	11.4999	-0.0000
14.9999	379546.7	14.9999	-0.0000
18.4999	328996.6	18.4999	0.0000
21.9999	285928.9	21.9999	0.0000
25.4999	249141.5	25.4999	0.0000
28.9999	217638.7	28.9999	-0.0000
32.4999	190593.6	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

