

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: 0570
CALIBRATION DATE: 11-Feb-14

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.495560e-005

a1 = 2.787876e-004

a2 = -2.615316e-006

a3 = 1.652991e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	735483.0	-1.4999	0.0001
1.0000	657171.3	0.9999	-0.0001
4.5000	562938.3	4.4999	-0.0001
8.0000	483779.7	8.0000	-0.0000
11.5000	417061.7	11.5000	0.0000
15.0000	360643.6	15.0001	0.0001
18.5000	312786.3	18.5000	0.0000
22.0000	272062.9	22.0000	-0.0000
25.5000	237306.5	25.4999	-0.0001
29.0000	207554.4	29.0000	-0.0000
32.5000	182014.4	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

