

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: 0813
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.504202e-004

a1 = 3.410359e-004

a2 = -6.844604e-006

a3 = 2.711571e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	670430.3	1.0001	0.0001
4.5000	576092.0	4.4999	-0.0001
15.0000	372451.0	15.0001	0.0001
18.4999	323996.5	18.4999	-0.0000
24.0000	261769.1	24.0000	-0.0000
29.0000	216910.1	28.9999	-0.0001
32.5000	190779.2	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

