

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: 2448

CALIBRATION DATE: 19-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.694545e-005

a1 = 2.977282e-004

a2 = -4.157003e-006

a3 = 2.010761e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677352.1	1.0000	-0.0000
4.5000	579350.6	4.5001	0.0001
14.9999	369575.8	14.9999	-0.0000
18.5000	320099.5	18.4999	-0.0001
24.0000	256892.2	24.0001	0.0001
29.0000	211600.2	29.0001	0.0001
32.5001	185344.2	32.5000	-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

n = instrument output

