

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: 3767
CALIBRATION DATE: 07-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.566405e-005
a1 = 2.780837e-004
a2 = -2.448645e-006
a3 = 1.596183e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	643835.9	1.0001	0.0001
4.5000	551677.9	4.4999	-0.0001
15.0000	353746.9	15.0001	0.0001
18.5000	306900.4	18.5000	0.0000
24.0000	246927.0	23.9999	-0.0001
29.0000	203841.5	29.0001	0.0001
32.5000	178816.8	32.5000	-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

n = instrument output

