

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: 11-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.909744e-004

a1 = 3.271281e-004

a2 = -5.761348e-006

a3 = 2.430716e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	670402.1	1.0000	0.0001
4.5000	576064.2	4.4999	-0.0001
14.9999	372444.0	15.0000	0.0001
18.4999	323989.0	18.5000	0.0001
23.9999	261769.2	23.9997	-0.0002
29.0001	216906.5	29.0001	0.0000
32.5000	190776.6	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

