

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: 3531
CALIBRATION DATE: 01-Oct-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.737079e-004
a1 = 3.156174e-004
a2 = -5.001850e-006
a3 = 2.174910e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	825147.6	1.0000	-0.0000
4.4999	707834.4	4.4999	0.0000
15.0000	455431.3	14.9999	-0.0001
18.4999	395571.8	18.4999	0.0000
24.0000	318847.9	24.0001	0.0001
29.0000	263660.3	29.0000	-0.0000
32.5000	231567.8	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

