

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: 0818

CALIBRATION DATE: 25-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.961589e-007

a1 = 2.817342e-004

a2 = -2.746282e-006

a3 = 1.683044e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576719.6	1.0000	-0.0000
4.5000	494029.1	4.5000	0.0000
15.0000	316534.8	15.0000	0.0000
18.5000	274547.1	18.4999	-0.0001
24.0000	220809.8	24.0000	0.0000
29.0000	182223.0	29.0000	0.0000
32.5000	159816.4	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

