

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: 0812

CALIBRATION DATE: 11-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.209603e-004

a1 = 3.257432e-004

a2 = -5.911553e-006

a3 = 2.436370e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	614934.1	0.9999	0.0000
4.5000	526849.8	4.4999	-0.0001
14.9999	337777.2	15.0000	0.0001
18.4999	293051.0	18.4999	0.0000
23.9999	235810.8	23.9998	-0.0001
29.0001	194704.2	29.0001	0.0000
32.5000	170835.5	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

