

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: 1850
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.171903e-005

a1 = 2.737326e-004

a2 = -2.265029e-006

a3 = 1.542786e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	772844.3	1.0000	0.0000
4.5000	661919.9	4.4999	-0.0001
15.0000	423856.5	15.0001	0.0001
18.5000	367555.9	18.5000	-0.0000
24.0000	295511.4	24.0000	-0.0000
29.0000	243787.1	29.0000	-0.0000
32.5000	213756.8	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

