

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: 0823
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.676417e-004

a1 = 3.095602e-004

a2 = -4.607271e-006

a3 = 2.123421e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	624797.6	0.9998	-0.0002
4.5000	535846.5	4.5004	0.0004
15.0000	344578.5	14.9996	-0.0004
18.4999	299226.5	18.4999	-0.0000
24.0000	241113.7	24.0002	0.0002
29.0000	199325.0	29.0001	0.0001
32.5000	175031.4	32.4998	-0.0002

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

