

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: 3423
CALIBRATION DATE: 21-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.158462e-004

a1 = 3.039923e-004

a2 = -4.149264e-006

a3 = 1.956169e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	818519.5	1.0000	0.0000
4.4999	701924.7	4.4999	-0.0000
15.0000	451213.1	15.0000	-0.0000
18.5000	391791.5	18.5001	0.0001
24.0000	315660.5	24.0000	-0.0000
29.0000	260917.8	28.9999	-0.0001
32.4999	229094.8	32.4999	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

