

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: 4254
CALIBRATION DATE: 18-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -8.273504e-005

a1 = 2.904531e-004

a2 = -3.406881e-006

a3 = 1.837221e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677916.9	1.0001	0.0001
4.4999	580905.8	4.4998	-0.0001
14.9999	372528.8	14.9999	-0.0000
18.5000	323199.3	18.5002	0.0002
24.0000	260057.1	23.9999	-0.0001
29.0000	214693.8	28.9999	-0.0001
32.5000	188344.1	32.5001	0.0001

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

