

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: 2337
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.396426e-005
a1 = 2.779695e-004
a2 = -3.040384e-006
a3 = 1.771915e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	727521.3	1.0000	-0.0000
4.5000	621553.1	4.5000	0.0000
15.0000	395090.3	15.0000	0.0000
18.5000	341781.9	18.5000	0.0000
24.0000	273760.9	23.9999	-0.0001
29.0000	225084.7	29.0001	0.0001
32.5000	196902.5	32.4999	-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

Date, Delta T (mdeg C)

