

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: 0475
CALIBRATION DATE: 29-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 4.473389e-005
a1 = 2.654857e-004
a2 = -1.641039e-006
a3 = 1.335330e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703557.8	1.0000	-0.0000
4.5000	601476.8	4.5001	0.0001
15.0000	383203.5	14.9999	-0.0001
18.5000	331774.0	18.5000	-0.0000
24.0000	266106.0	24.0001	0.0001
29.0000	219076.3	28.9999	-0.0001
32.5000	191821.8	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

Date, Delta T (mdeg C)

