

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1244
CALIBRATION DATE: 11-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.696378e-004
a1 = 3.021830e-004
a2 = -4.295386e-006
a3 = 2.042206e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	775285.8	1.0000	-0.0000
4.5000	664338.5	4.5001	0.0001
15.0000	426047.5	15.0000	-0.0000
18.5000	369640.8	18.5000	-0.0000
24.0000	297428.5	24.0000	0.0000
29.0000	245555.2	29.0000	0.0000
32.5000	215426.0	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

