

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: 3722
CALIBRATION DATE: 03-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.826826e-005

a1 = 2.900156e-004

a2 = -3.429821e-006

a3 = 1.859358e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	655971.4	1.0002	0.0002
4.5000	562069.9	4.4996	-0.0004
15.0002	360347.9	15.0007	0.0005
18.5000	312611.3	18.5004	0.0004
24.0000	251520.3	23.9980	-0.0020
29.0001	207583.0	29.0022	0.0021
32.5000	182108.0	32.4992	-0.0008

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

