

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: 3318
 CALIBRATION DATE: 31-Dec-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.518656e-005
 a1 = 2.771519e-004
 a2 = -2.261985e-006
 a3 = 1.554983e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	662216.4	1.0000	0.0000
4.5000	568032.2	4.4999	-0.0001
15.0000	365364.0	14.9999	-0.0001
18.5000	317286.9	18.5003	0.0003
23.9999	255676.0	23.9996	-0.0003
29.0000	211344.4	29.0001	0.0001
32.5000	185568.0	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

