

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: 0409
 CALIBRATION DATE: 30-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -9.685307e-005
 a1 = 3.003131e-004
 a2 = -4.192032e-006
 a3 = 2.040208e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	621524.1	1.0000	0.0000
4.5000	532319.0	4.5000	-0.0000
15.0000	340895.1	15.0000	-0.0000
18.4999	295629.4	18.5000	0.0001
24.0000	237714.5	23.9999	-0.0001
29.0000	196138.4	29.0000	-0.0000
32.5000	172002.1	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

