

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: 2003
 CALIBRATION DATE: 09-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -9.806258e-005
 a1 = 3.028485e-004
 a2 = -4.572802e-006
 a3 = 2.160630e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	635446.3	0.9997	-0.0003
4.5000	543926.8	4.5005	0.0005
15.0000	347762.4	14.9993	-0.0007
18.5000	301398.4	18.5004	0.0004
23.9999	242141.2	23.9996	-0.0003
28.9999	199617.2	29.0006	0.0007
32.5000	174958.2	32.4996	-0.0004

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

