

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: 0816
 CALIBRATION DATE: 07-Mar-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.974174e-004
 a1 = 3.297580e-004
 a2 = -5.963516e-006
 a3 = 2.493508e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	653834.1	1.0001	0.0001
4.5000	561938.4	4.4999	-0.0001
15.0000	363507.5	15.0001	0.0001
18.5000	316270.1	18.5000	0.0000
24.0000	255595.5	24.0000	0.0000
29.0000	211843.3	28.9998	-0.0002
32.5000	186349.4	32.5001	0.0001

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

