

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: 3533
 CALIBRATION DATE: 19-Jul-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.921760e-007
 a1 = 2.756040e-004
 a2 = -2.256744e-006
 a3 = 1.554841e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	628653.6	0.9998	-0.0001
4.5000	538725.8	4.5001	0.0001
15.0000	345570.5	14.9999	-0.0001
18.4999	299837.3	18.4999	0.0000
23.9999	241281.2	23.9999	0.0000
29.0000	199208.5	29.0001	0.0001
32.5001	174767.8	32.5000	-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

