

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: 06-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.821964e-005
 a1 = 2.937501e-004
 a2 = -3.690025e-006
 a3 = 1.911953e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	621585.5	1.0000	-0.0000
4.4999	532368.1	4.4999	0.0000
15.0000	340918.5	15.0000	0.0000
18.4999	295649.0	18.4999	-0.0000
23.9999	237723.8	24.0000	0.0001
28.9999	196143.2	28.9998	-0.0001
32.5001	172000.9	32.5001	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

