

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: 3936
CALIBRATION DATE: 12-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.608279e-005
a1 = 2.692173e-004
a2 = -1.762485e-006
a3 = 1.406454e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	642732.7	1.0000	0.0001
4.5000	550530.5	4.4999	-0.0001
15.0000	352658.0	15.0001	0.0001
18.5000	305859.4	18.5000	0.0000
24.0000	245971.6	24.0000	0.0000
29.0000	202972.1	28.9998	-0.0002
32.5000	178001.0	32.5001	0.0001

Temperature ITS-90 = $1/\{a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

