

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: 3424
CALIBRATION DATE: 09-Apr-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.478755e-004
a1 = 2.857810e-004
a2 = -2.719291e-006
a3 = 1.590851e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	838108.2	1.0000	0.0000
4.5000	718939.5	4.5000	-0.0000
15.0000	462577.6	14.9999	-0.0001
18.5000	401776.3	18.5001	0.0001
24.0000	323850.9	24.0000	-0.0000
29.0000	267790.5	28.9999	-0.0001
32.5001	235187.1	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

