

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: 1244
CALIBRATION DATE: 12-Jun-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.868828e-005

a1 = 2.671630e-004

a2 = -1.586582e-006

a3 = 1.343598e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	775366.9	0.9999	-0.0000
4.4999	664380.8	4.5000	0.0001
15.0001	426054.3	15.0001	-0.0000
18.5000	369647.4	18.4999	-0.0001
24.0001	297427.8	24.0001	0.0000
29.0000	245547.2	29.0001	0.0001
32.5000	215412.2	32.4999	-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

