

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: 4254
 CALIBRATION DATE: 31-Oct-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.422749e-004
 a1 = 3.042251e-004
 a2 = -4.469188e-006
 a3 = 2.110472e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	677909.7	0.9999	-0.0000
4.5000	580895.0	4.5000	0.0000
15.0000	372527.6	15.0000	-0.0000
18.5000	323204.7	18.5000	-0.0000
24.0000	260061.7	23.9999	-0.0001
29.0000	214701.6	29.0001	0.0001
32.5000	188357.7	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

