

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: 3429
 CALIBRATION DATE: 11-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.297648e-004
 a1 = 3.109653e-004
 a2 = -4.667687e-006
 a3 = 2.108651e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	757253.8	1.0000	-0.0000
4.5000	649620.5	4.5000	0.0000
15.0000	418026.5	15.0000	-0.0000
18.5000	363094.2	18.5000	0.0000
24.0000	292685.7	23.9999	-0.0001
29.0000	242031.8	29.0001	0.0001
32.5000	212577.4	32.5000	-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

