

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: 3777
 CALIBRATION DATE: 03-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 5.129834e-005
 a1 = 2.630693e-004
 a2 = -1.296209e-006
 a3 = 1.296170e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642703.0	1.0002	0.0002
4.5000	550631.9	4.4997	-0.0003
15.0002	352931.7	14.9996	-0.0006
18.5000	306127.2	18.5015	0.0015
24.0000	246275.4	23.9991	-0.0009
29.0001	203258.2	28.9999	-0.0002
32.5000	178276.6	32.5003	0.0003

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

