

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4590
 CALIBRATION DATE: 03-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.678269e-004
 a1 = 3.087887e-004
 a2 = -4.850796e-006
 a3 = 2.225916e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689645.2	0.9997	-0.0003
4.5000	591143.9	4.5005	0.0005
15.0002	379475.7	14.9999	-0.0003
18.5000	329335.5	18.4993	-0.0007
24.0000	265086.4	24.0014	0.0014
29.0001	218949.8	28.9992	-0.0009
32.5000	192123.0	32.5002	0.0002

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

