

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 27-Jul-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.386173e-004

a1 = 3.074978e-004

a2 = -4.376414e-006

a3 = 2.014459e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	825195.7	0.9999	-0.0000
4.5000	707866.8	4.5000	0.0000
15.0000	455453.1	15.0001	0.0001
18.5000	395596.3	18.4998	-0.0002
24.0000	318869.0	23.9999	-0.0001
29.0000	263673.6	29.0002	0.0002
32.5000	231582.3	32.4999	-0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

