

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3534
CALIBRATION DATE: 07-Sep-0

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.819566e-004
a1 = 2.980123e-004
a2 = -3.696374e-006
a3 = 1.846889e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	794737.8	1.0000	0.0000
4.4999	681550.5	4.4998	-0.0001
15.0000	438148.1	15.0000	0.0000
18.4999	380457.7	18.5000	0.0001
23.9999	306538.4	23.9999	0.0000
29.0001	253382.6	29.0000	-0.0001
32.5001	222479.1	32.5002	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

