

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 12-Jun-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.642612e-004
a1 = 2.427023e-004
a2 = 3.610832e-007
a3 = 8.582102e-008

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	576809.8	0.9999	0.0000
4.4999	494079.5	4.4999	-0.0000
15.0001	316543.2	15.0002	0.0001
18.5000	274554.6	18.4999	-0.0001
24.0001	220813.5	24.0000	-0.0001
29.0000	182219.6	29.0002	0.0002
32.5000	159809.2	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

