

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0225
CALIBRATION DATE: 22-Feb-08

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.249687e-004
a1 = 2.959481e-004
a2 = -3.858663e-006
a3 = 1.946409e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	820736.7	-1.5001	0.0000
0.9999	733489.8	0.9999	-0.0000
4.5000	628483.4	4.4999	-0.0001
8.0000	540255.2	8.0000	-0.0000
11.5000	465874.5	11.5000	0.0000
15.0000	402964.1	15.0001	0.0001
18.5000	349588.1	18.5000	0.0000
21.9999	304160.5	21.9999	-0.0000
25.4999	265379.7	25.4998	-0.0001
28.9999	232177.0	28.9999	-0.0000
32.5000	203668.3	32.5000	0.0000

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

