

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4920
CALIBRATION DATE: 04-Mar-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.685424e-005
a1 = 2.831444e-004
a2 = -2.987021e-006
a3 = 1.710649e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	649155.3	0.9999	0.0000
4.4999	555321.0	4.4999	-0.0000
15.0000	354408.5	15.0000	0.0000
18.5000	307011.7	18.5000	0.0000
24.0000	246449.8	24.0000	-0.0000
29.0000	203040.9	29.0000	-0.0000
32.5001	177870.0	32.5001	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

