

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0468
 CALIBRATION DATE: 31-May-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.008433e-005
 a1 = 2.803946e-004
 a2 = -2.868639e-006
 a3 = 1.645678e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	730180.8	1.0000	0.0000
4.5000	623908.1	4.5000	-0.0000
15.0001	396862.7	15.0000	-0.0001
18.5000	343424.8	18.5001	0.0001
24.0000	275238.1	24.0000	-0.0000
29.0000	226439.2	28.9999	-0.0001
32.5000	198176.9	32.5001	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

