

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 03-Jan-08

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.567738e-004

a1 = 3.076752e-004

a2 = -4.740376e-006

a3 = 2.180892e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677950.2	1.0000	-0.0000
4.5000	580926.1	4.5000	0.0000
15.0000	372529.5	15.0001	0.0001
18.5000	323202.3	18.5000	-0.0000
24.0000	260055.4	23.9998	-0.0002
29.0000	214690.2	29.0003	0.0003
32.5000	188347.2	32.4999	-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

