

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3535
CALIBRATION DATE: 07-Sep-0

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.307628e-004
a1 = 2.827952e-004
a2 = -2.426736e-006
a3 = 1.489795e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	823775.2	0.9999	-0.0001
4.4999	706365.3	4.5001	0.0002
15.0000	454027.7	14.9998	-0.0002
18.4999	394234.8	18.4999	-0.0000
23.9999	317630.9	24.0000	0.0001
29.0001	262552.0	29.0001	0.0000
32.5001	230535.3	32.5000	-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

