

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3533
 CALIBRATION DATE: 07-Sep-0

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.834244e-005
 a1 = 2.821209e-004
 a2 = -2.751942e-006
 a3 = 1.680027e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	628656.2	1.0000	0.0000
4.4999	538735.2	4.4999	-0.0000
15.0000	345566.7	14.9999	-0.0001
18.4999	299832.2	18.5001	0.0002
23.9999	241280.5	23.9998	-0.0001
29.0001	199209.7	29.0000	-0.0001
32.5001	174770.1	32.5002	0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

