

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3532
 CALIBRATION DATE: 06-Sep-0

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.634898e-004
 a1 = 2.943461e-004
 a2 = -3.403631e-006
 a3 = 1.776945e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	781213.3	1.0000	0.0000
4.5000	670045.1	4.5000	-0.0000
15.0001	430930.4	15.0003	0.0002
18.4999	374250.4	18.4996	-0.0003
24.0000	301593.1	24.0000	0.0000
29.0000	249337.9	29.0001	0.0001
32.5000	218957.1	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

