

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0471
 CALIBRATION DATE: 30-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.805843e-005
 a1 = 2.848518e-004
 a2 = -3.132859e-006
 a3 = 1.740111e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	665693.6	1.0000	0.0000
4.5000	569342.6	4.5000	-0.0000
15.0000	363129.8	15.0000	0.0000
18.4999	314504.2	18.5000	0.0001
24.0000	252388.4	23.9999	-0.0001
29.0000	207878.2	29.0000	0.0000
32.5000	182076.6	32.5000	0.0000

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

