

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0477
 CALIBRATION DATE: 17-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.484972e-005
 a1 = 2.871544e-004
 a2 = -3.333861e-006
 a3 = 1.788262e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689744.6	1.0000	0.0000
4.5000	589843.2	4.5000	-0.0000
14.9999	376076.1	14.9999	0.0000
18.5000	325678.9	18.5000	-0.0000
24.0000	261310.3	23.9999	-0.0001
29.0000	215192.6	29.0001	0.0001
32.5000	188464.0	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

