

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3763
CALIBRATION DATE: 22-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.686049e-005
a1 = 2.813309e-004
a2 = -2.703481e-006
a3 = 1.654567e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	664437.4	1.0000	0.0000
4.5000	569272.5	4.5000	-0.0000
15.0000	364931.7	15.0000	-0.0000
18.5000	316573.5	18.5001	0.0001
24.0000	254678.1	23.9999	-0.0001
29.0000	210218.5	29.0000	0.0000
32.5001	184396.6	32.5001	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

