

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1810
CALIBRATION DATE: 19-Aug-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.795109e-005
a1 = 2.890465e-004
a2 = -3.564140e-006
a3 = 1.889863e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	654712.0	1.0000	-0.0000
4.4999	560114.4	4.4999	0.0000
15.0000	357495.7	15.0000	0.0000
18.5000	309684.5	18.4999	-0.0001
24.0000	248581.9	24.0001	0.0001
29.0000	204785.1	28.9999	-0.0001
32.5000	179387.7	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

