

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0825
CALIBRATION DATE: 17-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.220263e-005

a1 = 2.888721e-004

a2 = -3.508144e-006

a3 = 1.818055e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	734694.9	1.0000	0.0000
4.5000	627995.1	4.4999	-0.0001
15.0000	399865.0	15.0001	0.0001
18.5000	346135.5	18.5000	-0.0000
24.0000	277543.7	23.9999	-0.0001
29.0000	228432.2	29.0000	0.0000
32.5000	199980.9	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

