

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 07-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.927901e-004

a1 = 3.708464e-004

a2 = -1.261477e-005

a3 = 5.056354e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703674.8	0.9999	-0.0001
4.4999	605187.4	4.5001	0.0002
15.0000	391096.9	14.9999	-0.0001
18.5000	339850.5	18.4999	-0.0001
23.9999	273897.3	24.0000	0.0001
29.0001	226271.6	29.0002	0.0001
32.5001	198516.9	32.5000	-0.0001

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

