

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1865
CALIBRATION DATE: 15-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.314596e-004

a1 = 3.101805e-004

a2 = -4.948801e-006

a3 = 2.282129e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	581827.1	0.9998	-0.0002
4.5000	498830.5	4.5003	0.0003
15.0000	320394.2	14.9997	-0.0003
18.4999	278102.9	18.4999	-0.0000
24.0000	223927.8	24.0001	0.0001
29.0000	184983.9	29.0003	0.0003
32.5002	162353.9	32.5000	-0.0002

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

