

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 21-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.183608e-004

a1 = 2.476772e-004

a2 = -3.613807e-007

a3 = 1.045999e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	715082.4	0.9998	-0.0001
4.4999	611657.4	4.5001	0.0002
15.0000	390261.9	14.9998	-0.0002
18.5000	338028.4	18.5000	-0.0000
24.0000	271286.9	24.0001	0.0001
29.0000	223449.0	29.0001	0.0001
32.5000	195711.1	32.4999	-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

Date, Delta T (mdeg C)

