

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 30-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.210223e-004
a1 = 3.264049e-004
a2 = -5.821540e-006
a3 = 2.382576e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	825073.9	1.0002	0.0002
4.5000	707788.6	4.4997	-0.0003
15.0000	455401.2	14.9999	-0.0001
18.5000	395535.4	18.5005	0.0005
24.0000	318830.9	23.9999	-0.0001
29.0000	263654.7	28.9994	-0.0006
32.5000	231558.4	32.5004	0.0004

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)

