

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1810
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.849932e-005
a1 = 2.729998e-004
a2 = -2.274822e-006
a3 = 1.545172e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	654717.7	0.9999	-0.0001
4.5000	560095.8	4.5002	0.0002
15.0000	357489.3	14.9999	-0.0001
18.5000	309679.6	18.4999	-0.0001
24.0000	248583.9	24.0001	0.0001
29.0000	204788.4	29.0002	0.0002
32.5000	179394.8	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)

