Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0043 CALIBRATION DATE: 06-Feb-14 SBE 49 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 8.284959e-004 a1 = 2.872175e-004 a2 = -2.803128e-006 a3 = 2.106788e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	755518.949	1.0001	0.0001
4.5000	668952.322	4.4999	-0.0001
15.0000	448760.136	15.0002	0.0002
18.5000	388349.220	18.4998	-0.0002
24.0000	305448.915	23.9999	-0.0001
29.0000	241674.441	29.0000	0.0000
32.5001	202876.186	32.5001	-0.0000

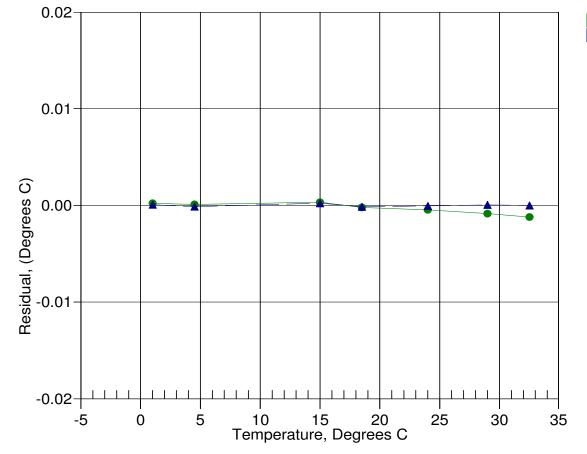
MV = (n - 524288) / 1.6e + 007

R = (MV * 2.295e + 010 + 9.216e + 008) / (6.144e + 004 - MV * 5.3e + 005)

Temperature ITS-90 = $1/{a0 + a1[ln(R)] + a2[ln^2(R)] + a3[ln^3(R)]} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)



● 09-May-13 -0.30 ▲ 06-Feb-14 0.00