Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6826 CALIBRATION DATE: 07-Feb-14

SBE16plusV2 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.310779e-003a1 = 2.550738e - 004a2 = 3.515403e-007a3 = 1.250725e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	618294.200	1.0000	0.0000
4.5000	547283.600	4.5000	-0.0000
15.0000	371938.400	15.0000	-0.0000
18.5000	325151.900	18.5001	0.0001
24.0000	261905.900	23.9999	-0.0001
29.0000	214008.300	29.0000	-0.0000
32.5000	185199.600	32.5000	0.0000

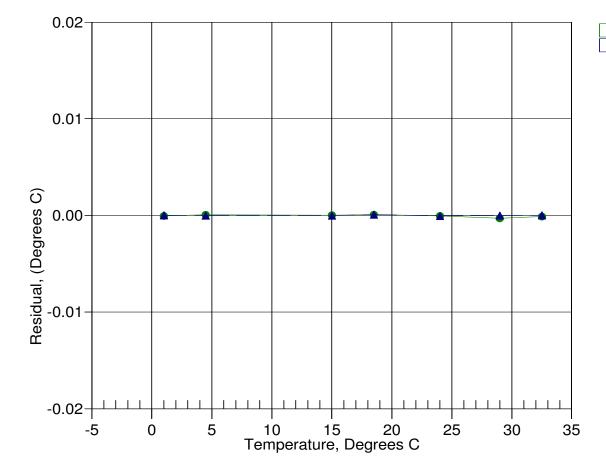
MV = (n - 524288) / 1.6e + 007

R = (MV * 2.900e+009 + 1.024e+008) / (2.048e+004 - MV * 2.0e+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)





20-Dec-12 -0.06 ▲ 07-Feb-14 0.00