## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6627 CALIBRATION DATE: 11-Feb-14

SBE16plusV2 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

a0 = 1.280599e-003a1 = 2.585778e - 004a2 = -4.593284e - 008a3 = 1.404546e - 007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	649993.000	1.0000	0.0000
4.5000	577073.200	4.4999	-0.0001
15.0000	395551.500	15.0001	0.0001
18.5000	346760.364	18.5000	0.0000
24.0000	280552.400	23.9999	-0.0001
29.0000	230217.100	29.0000	0.0000
32.5000	199861.000	32.5000	-0.0000

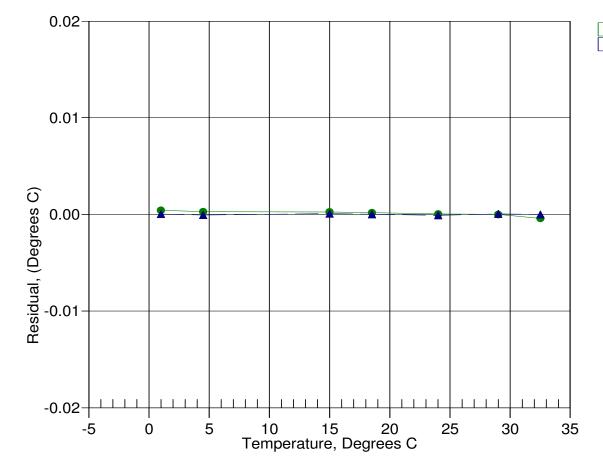
MV = (n - 524288) / 1.6e + 007

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)



25-Jan-12 0.10 ▲ 11-Feb-14 0.00