Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6627 CALIBRATION DATE: 25-Jan-12

SBE16plus TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.272385e-003a1 = 2.615718e - 004a2 = -4.096448e-007a3 = 1.551850e - 007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	649984.700	1.0000	0.0000
4.5000	577066.400	4.5000	-0.0000
15.0000	395548.900	15.0000	0.0000
18.5000	346758.100	18.5000	-0.0000
24.0000	280551.000	23.9999	-0.0001
28.9999	230218.500	29.0000	0.0001
32.5000	199864.364	32.5000	-0.0000

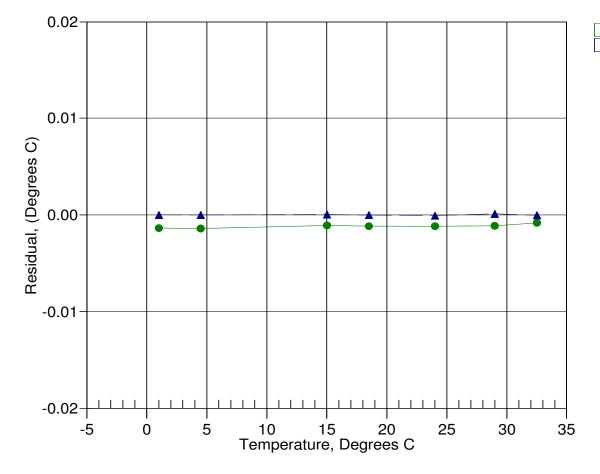
MV = (n - 524288) / 1.6e + 007

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)



24-Aug-10 -1.17 25-Jan-12 -0.00