SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4288 CALIBRATION DATE: 20-Jan-11

SBE16plus TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.255503e-003a1 = 2.600331e-004a2 = 7.717913e-008a3 = 1.418645e - 007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	652899.348	1.0000	0.0000
4.4999	580758.409	4.4998	-0.0001
15.0000	400608.182	15.0000	0.0000
18.5000	351999.924	18.5000	0.0000
24.0000	285872.167	24.0001	0.0001
29.0000	235450.045	28.9998	-0.0002
32.5001	204958.303	32.5002	0.0001

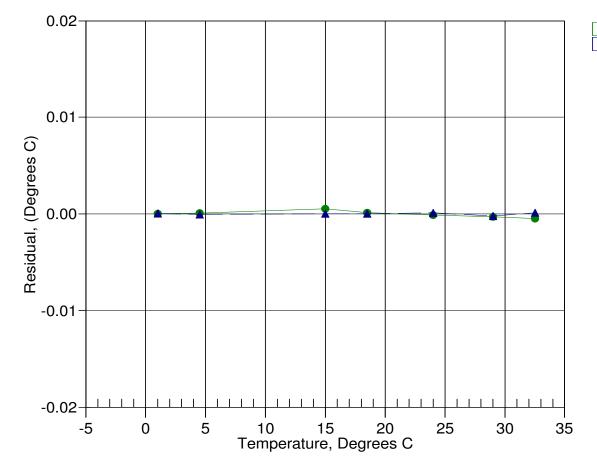
MV = (n - 524288) / 1.6e + 007

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)



• 28-Jul-09 -0.03

20-Jan-11 0.00