Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 7021 CALIBRATION DATE: 07-Feb-14

SBE16plusV2 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.251793e-003a1 = 2.746657e - 004a2 = -1.151439e - 006a3 = 1.823542e - 007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	564058.100	1.0000	0.0000
4.5000	498086.455	4.5000	-0.0000
15.0000	336791.800	15.0001	0.0001
18.5000	294083.273	18.4999	-0.0001
24.0000	236508.200	24.0000	0.0000
29.0000	193003.500	29.0000	0.0000
32.5000	166861.200	32.5000	-0.0000

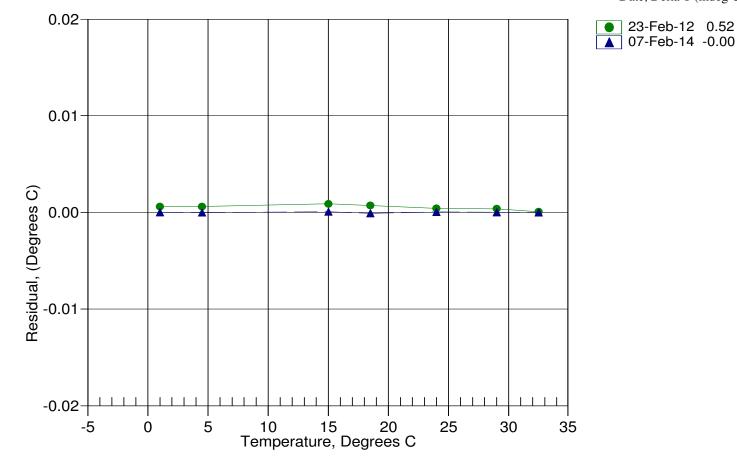
MV = (n - 524288) / 1.6e + 007

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)



23-Feb-12 0.52