

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: 6902
CALIBRATION DATE: 07-Feb-14

SBE16plusV2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.239035e-003

a1 = 2.754824e-004

a2 = -1.028626e-006

a3 = 1.769695e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	564145.700	1.0000	0.0000
4.5000	498540.455	4.5000	-0.0000
15.0000	337980.100	15.0001	0.0001
18.5000	295408.909	18.4999	-0.0001
24.0000	237966.400	24.0000	0.0000
29.0000	194510.100	29.0000	0.0000
32.5000	168372.100	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 = $1 / \{a_0 + a_1[\ln(R)] + a_2[\ln^2(R)] + a_3[\ln^3(R)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

