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: 4285 CALIBRATION DATE: 26-Nov-15 SBE 16plus TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.263326e-003 a1 = 2.597761e-004 a2 = 2.843546e-007 a3 = 1.370478e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	623849.455	1.0000	0.0000
4.5000	553948.700	4.5000	-0.0000
15.0000	380428.500	15.0000	0.0000
18.5000	333838.000	18.5000	0.0000
24.0000	270593.700	24.0000	0.0000
29.0000	222464.182	28.9999	-0.0001
32.4999	193397.600	32.5000	0.0001

n = Instrument Output (counts)

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

R = (MV * 2.900e + 0.09 + 1.024e + 0.08) / (2.048e + 0.04 - MV * 2.0e + 0.05)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(R)] + a2[ln^2(R)] + a3[ln^3(R)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

