

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: 2864

CALIBRATION DATE: 07-Jan-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.38022096e-003

h = 6.47527732e-004

i = 2.33557764e-005

j = 2.15853675e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3065.097	-1.5000	0.00003
1.0000	3240.735	1.0000	-0.00002
4.5000	3498.691	4.5000	-0.00004
8.0000	3771.077	8.0000	-0.00001
11.5000	4058.272	11.5000	0.00002
15.0000	4360.651	15.0001	0.00005
18.5000	4678.568	18.5000	0.00001
22.0000	5012.381	22.0000	-0.00001
25.5000	5362.425	25.5000	-0.00004
29.0000	5729.027	29.0000	-0.00004
32.5000	6112.503	32.5000	0.00004

Temperature ITS-90 = $1/\{g + h[\ln(f_0/f)] + i[\ln^2(f_0/f)] + j[\ln^3(f_0/f)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

