

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: 1692
CALIBRATION DATE: 08-Jul-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.80167738e-003
h = 6.71596232e-004
i = 2.54315201e-005
j = 1.99592563e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	5874.286	-1.5000	-0.00002
0.9999	6212.610	1.0000	0.00007
4.5000	6709.520	4.4999	-0.00010
7.9999	7234.266	7.9999	-0.00000
11.4999	7787.584	11.5000	0.00007
14.9999	8370.164	15.0000	0.00007
18.4999	8982.676	18.4998	-0.00012
22.0000	9625.890	22.0000	-0.00002
25.5000	10300.358	25.5001	0.00006
29.0000	11006.689	29.0000	-0.00001
32.5000	11745.515	32.5000	-0.00001

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

