

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: 1366
CALIBRATION DATE: 16-Jul-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.83438811e-003
h = 6.76380499e-004
i = 2.57502562e-005
j = 2.00336487e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6124.785	-1.5000	-0.00001
1.0000	6476.051	1.0000	0.00003
4.5000	6991.816	4.5000	0.00000
8.0000	7536.273	8.0000	-0.00005
11.5000	8110.191	11.5000	0.00001
15.0000	8714.265	15.0000	0.00000
18.5000	9349.212	18.5000	0.00002
22.0000	10015.699	22.0000	0.00002
25.5000	10714.373	25.5000	-0.00002
29.0000	11445.865	29.0000	-0.00004
32.5000	12210.792	32.5000	0.00003

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

