

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: 5233
CALIBRATION DATE: 11-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.40256946e-003
h = 6.80153576e-004
i = 2.83324063e-005
j = 2.09768146e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3026.755	-1.4999	0.00005
1.0000	3194.045	1.0000	-0.00005
4.5000	3439.401	4.4999	-0.00006
8.0000	3698.091	8.0000	-0.00001
11.5000	3970.471	11.5000	0.00005
15.0000	4256.890	15.0001	0.00008
18.5000	4557.682	18.5000	-0.00001
22.0000	4873.198	22.0000	-0.00004
25.5000	5203.760	25.5000	-0.00003
29.0000	5549.680	29.0000	-0.00002
32.5000	5911.268	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

