

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: 2265
CALIBRATION DATE: 02-Dec-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.33167491e-003
h = 6.43525663e-004
i = 2.33396894e-005
j = 2.17446794e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2848.081	-1.4999	0.00008
1.0000	3011.709	1.0000	-0.00005
4.5000	3252.098	4.4999	-0.00011
8.0000	3506.023	8.0000	-0.00004
11.5000	3773.846	11.5001	0.00006
15.0000	4055.922	15.0002	0.00016
18.5000	4352.582	18.5001	0.00006
22.0000	4664.170	21.9999	-0.00011
25.5000	4991.034	25.4999	-0.00010
29.0000	5333.477	29.0000	-0.00003
32.5000	5691.798	32.5001	0.00008

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

