

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: 2958

CALIBRATION DATE: 11-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.39511412e-003

h = 6.73503956e-004

i = 3.03877605e-005

j = 2.86315349e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3033.587	-1.4999	0.00007
1.0000	3203.622	0.9999	-0.00006
4.5000	3453.223	4.4999	-0.00006
8.0000	3716.637	8.0000	0.00001
11.5000	3994.224	11.5000	-0.00001
15.0000	4286.358	15.0000	0.00003
18.5000	4593.391	18.5001	0.00012
22.0000	4915.639	22.0000	0.00001
25.5000	5253.448	25.4999	-0.00010
29.0000	5607.141	28.9999	-0.00013
32.5000	5977.042	32.5001	0.00011

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

