

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: 5774

CALIBRATION DATE: 05-May-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.33664164e-003

h = 6.26993977e-004

i = 1.93653654e-005

j = 1.42927594e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2940.031	-1.5000	-0.00003
0.9999	3112.346	0.9999	0.00005
4.4999	3365.755	4.4999	-0.00001
7.9999	3633.755	7.9999	0.00001
11.4999	3916.761	11.4999	-0.00000
14.9999	4215.189	14.9999	-0.00000
18.5000	4529.447	18.5000	-0.00005
22.0000	4859.924	22.0000	0.00000
25.5000	5207.003	25.5000	0.00004
29.0000	5571.054	29.0000	0.00003
32.4999	5952.426	32.4999	-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

