

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: 6043
CALIBRATION DATE: 09-Dec-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

$g = 4.33793498e-003$
 $h = 6.26928689e-004$
 $i = 1.98878864e-005$
 $j = 1.54773630e-006$
 $f_0 = 1000.0$

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2949.144	-1.4999	0.00006
1.0000	3122.249	0.9999	-0.00010
4.5000	3376.881	4.5000	0.00002
7.9999	3646.193	7.9999	0.00002
11.4999	3930.636	11.4999	0.00003
15.0000	4230.626	15.0000	0.00002
18.4999	4546.542	18.4999	-0.00002
22.0000	4878.824	22.0000	-0.00003
25.5000	5227.829	25.5000	-0.00003
29.0000	5593.950	29.0001	0.00006
32.5000	5977.524	32.5000	-0.00002

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

Date, Delta T (mdeg C)

● 09-Dec-14 0.00

