

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: 0539
CALIBRATION DATE: 07-Mar-15

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.16937043e-003
h = 5.93249433e-004
i = 3.31663996e-006
j = -1.87657281e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2425.491	0.9998	-0.00016
4.4999	2624.813	4.5002	0.00031
15.0000	3291.883	14.9996	-0.00042
18.4999	3538.480	18.5001	0.00020
24.0000	3951.620	24.0001	0.00008
29.0000	4355.392	29.0001	0.00009
32.5000	4654.520	32.4999	-0.00010

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

