

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5140
CALIBRATION DATE: 08-Jul-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.36461652e-003
h = 6.40910995e-004
i = 2.22485771e-005
j = 2.06739848e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3017.108	-1.5000	0.00005
0.9999	3191.166	0.9999	-0.00001
4.5000	3446.895	4.4999	-0.00013
7.9999	3717.027	7.9999	-0.00000
11.4999	4001.951	11.5000	0.00007
14.9999	4302.037	15.0000	0.00012
18.4999	4617.635	18.4999	-0.00002
22.0000	4949.131	21.9999	-0.00008
25.5000	5296.852	25.5000	-0.00002
29.0000	5661.117	29.0000	-0.00002
32.5000	6042.253	32.5000	0.00004

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

