

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6042
CALIBRATION DATE: 15-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.34169912e-003
h = 6.28994412e-004
i = 1.93495619e-005
j = 1.34660126e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	2954.890	-1.5002	-0.00005
1.0000	3127.614	1.0000	0.00004
4.5000	3381.573	4.5001	0.00007
8.0000	3650.097	8.0000	-0.00005
11.4999	3933.625	11.4999	0.00001
15.0000	4232.570	14.9999	-0.00007
18.5000	4547.332	18.5000	-0.00005
22.0000	4878.317	22.0001	0.00008
25.5000	5225.881	25.5000	0.00001
29.0000	5590.427	29.0000	0.00004
32.5000	5972.298	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

