

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6042
CALIBRATION DATE: 08-Dec-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34165683e-003
h = 6.28907455e-004
i = 1.92955757e-005
j = 1.33524405e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2954.911	-1.5001	-0.00006
1.0000	3127.634	1.0001	0.00007
4.5000	3381.594	4.5000	0.00004
8.0000	3650.129	8.0000	0.00001
11.5000	3933.662	11.5000	-0.00003
15.0000	4232.606	14.9999	-0.00006
18.5001	4547.380	18.5000	-0.00006
22.0000	4878.358	22.0001	0.00006
25.5000	5225.932	25.5000	0.00005
29.0000	5590.480	29.0000	0.00005
32.5001	5972.365	32.5000	-0.00006

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

