

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5171
CALIBRATION DATE: 08-Mar-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39224447e-003
h = 6.45171476e-004
i = 2.27950283e-005
j = 2.09677421e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3137.500	-1.4999	0.00006
1.0000	3317.911	1.0000	-0.00005
4.5000	3582.919	4.4999	-0.00007
8.0000	3862.794	8.0000	-0.00002
11.5000	4157.929	11.5000	0.00003
15.0000	4468.710	15.0001	0.00011
18.5000	4795.495	18.5000	0.00003
22.0000	5138.658	22.0000	-0.00005
25.5000	5498.552	25.4999	-0.00008
29.0000	5875.515	29.0000	-0.00003
32.5000	6269.864	32.5001	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

