

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5895

CALIBRATION DATE: 10-Aug-16

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.32195595e-003

h = 6.36967368e-004

i = 2.22866746e-005

j = 2.09401677e-006

f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2829.463	-1.5000	-0.00002
1.0000	2993.258	1.0000	0.00000
4.5000	3233.976	4.5001	0.00007
8.0000	3488.332	8.0000	-0.00002
11.5000	3756.717	11.5000	-0.00004
15.0000	4039.490	14.9999	-0.00008
18.5000	4337.024	18.5001	0.00008
22.0001	4649.640	22.0002	0.00007
25.5001	4977.655	25.5001	-0.00004
29.0000	5321.410	29.0000	-0.00002
32.5000	5681.220	32.5000	0.00001

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

