

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4039
CALIBRATION DATE: 12-Nov-16

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41266847e-003
h = 6.49401858e-004
i = 2.38280119e-005
j = 2.16902667e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3226.300	-1.5000	-0.00001
1.0000	3411.445	1.0000	0.00004
4.5000	3683.384	4.5000	-0.00003
8.0000	3970.575	8.0000	-0.00004
11.5000	4273.431	11.5000	0.00002
15.0000	4592.343	15.0001	0.00007
18.5000	4927.684	18.5000	-0.00001
22.0000	5279.844	22.0000	-0.00004
25.5000	5649.186	25.5000	-0.00000
29.0001	6036.057	29.0001	0.00001
32.5000	6440.754	32.5000	0.00000

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

