

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4155
CALIBRATION DATE: 15-Nov-16

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41643474e-003
h = 6.50208021e-004
i = 2.35193629e-005
j = 2.08885241e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3239.838	-1.5000	0.00001
1.0000	3425.416	1.0000	-0.00001
4.5000	3697.965	4.5000	-0.00001
8.0000	3985.750	8.0000	-0.00004
11.5000	4289.187	11.5000	0.00002
15.0000	4608.669	15.0001	0.00010
18.5000	4944.554	18.4999	-0.00006
22.0000	5297.255	22.0000	-0.00002
25.5000	5667.112	25.5000	0.00001
29.0000	6054.466	29.0000	0.00000
32.5000	6459.653	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

