

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0696
CALIBRATION DATE: 02-Feb-16

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.84724616e-003
h = 6.90226634e-004
i = 3.36423696e-005
j = 3.21559427e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6191.241	-1.4998	0.00018
1.0000	6548.232	0.9998	-0.00016
4.5000	7072.805	4.4998	-0.00019
7.9999	7626.949	7.9999	-0.00001
11.5000	8211.426	11.5001	0.00010
15.0000	8826.919	15.0001	0.00015
18.5000	9474.146	18.5002	0.00016
22.0000	10153.753	22.0000	0.00004
25.5000	10866.367	25.4998	-0.00024
29.0000	11612.664	28.9997	-0.00029
32.5000	12393.308	32.5003	0.00027

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

