

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2786
CALIBRATION DATE: 10-Feb-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37639263e-003
h = 6.44299888e-004
i = 2.29169278e-005
j = 2.13033208e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3061.409	-1.4999	0.00005
1.0000	3237.524	1.0000	-0.00003
4.5000	3496.235	4.4999	-0.00008
8.0000	3769.484	8.0000	-0.00002
11.5000	4057.657	11.5001	0.00007
15.0000	4361.126	15.0001	0.00013
18.5000	4680.239	18.4999	-0.00005
22.0000	5015.385	21.9999	-0.00009
25.5000	5366.905	25.5000	-0.00000
29.0000	5735.108	29.0000	0.00000
32.5000	6120.319	32.5000	0.00002

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

