

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2786
CALIBRATION DATE: 17-Nov-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37645173e-003
h = 6.44432975e-004
i = 2.30091507e-005
j = 2.14997823e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3061.400	-1.4999	0.00006
1.0000	3237.514	1.0000	-0.00004
4.5000	3496.225	4.4999	-0.00009
8.0000	3769.477	8.0000	-0.00003
11.5000	4057.654	11.5001	0.00007
15.0000	4361.131	15.0002	0.00015
18.5000	4680.249	18.5000	-0.00004
22.0000	5015.402	21.9999	-0.00008
25.5000	5366.928	25.5000	-0.00001
29.0001	5735.147	29.0001	-0.00004
32.5001	6120.374	32.5002	0.00005

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

