

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2786
CALIBRATION DATE: 25-Jan-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37655853e-003
h = 6.44658056e-004
i = 2.31599418e-005
j = 2.18271739e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3061.389	-1.4999	0.00006
1.0000	3237.501	1.0000	-0.00002
4.5000	3496.207	4.4999	-0.00011
8.0000	3769.458	8.0000	-0.00004
11.5000	4057.637	11.5001	0.00008
15.0000	4361.117	15.0002	0.00018
18.5000	4680.235	18.5000	-0.00004
22.0000	5015.388	21.9999	-0.00011
25.5000	5366.918	25.5000	-0.00002
29.0000	5735.132	29.0000	-0.00001
32.5000	6120.354	32.5000	0.00004

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

