

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5898
CALIBRATION DATE: 29-Mar-16

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35083181e-003
h = 6.26350725e-004
i = 1.92104766e-005
j = 1.37404962e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3014.659	-1.5000	-0.00005
1.0000	3191.740	1.0001	0.00007
4.5000	3452.181	4.5000	0.00001
8.0000	3727.658	8.0000	-0.00003
11.5000	4018.615	11.5000	0.00000
15.0000	4325.474	15.0000	0.00001
18.5000	4648.649	18.4999	-0.00007
22.0000	4988.573	22.0000	-0.00000
25.5000	5345.632	25.5001	0.00006
29.0000	5720.207	29.0000	0.00003
32.5000	6112.679	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

