

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4925
CALIBRATION DATE: 13-Jan-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37902333e-003
h = 6.36531645e-004
i = 2.14712728e-005
j = 1.85459644e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3112.745	-1.5000	-0.00001
1.0000	3293.698	1.0000	0.00003
4.5000	3559.667	4.5000	-0.00002
8.0000	3840.780	8.0000	0.00001
11.5000	4137.450	11.5000	0.00001
15.0000	4450.090	15.0000	0.00003
18.5000	4779.086	18.4999	-0.00007
22.0000	5124.848	22.0000	-0.00005
25.5000	5487.751	25.5001	0.00008
29.0001	5868.135	29.0001	0.00002
32.5000	6266.338	32.5000	-0.00003

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

