

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5237

CALIBRATION DATE: 05-Sep-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.40986427e-003

h = 6.79315158e-004

i = 2.81290440e-005

j = 2.11883266e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3065.505	-1.5000	0.00003
1.0000	3235.172	1.0000	-0.00001
4.5000	3484.011	4.4999	-0.00006
8.0000	3746.379	8.0000	-0.00002
11.5000	4022.635	11.5000	0.00004
15.0000	4313.131	15.0001	0.00009
18.5000	4618.201	18.5000	-0.00000
22.0000	4938.198	22.0000	-0.00004
25.5000	5273.446	25.4999	-0.00006
29.0000	5624.270	29.0000	0.00003
32.5000	5990.956	32.5000	0.00002

Temperature ITS-90 = $1/\{g + h[\ln(f_0/f)] + i[\ln^2(f_0/f)] + j[\ln^3(f_0/f)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

