

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5171

CALIBRATION DATE: 05-Sep-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.39218033e-003

h = 6.44985438e-004

i = 2.26520877e-005

j = 2.06176629e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3137.573	-1.4999	0.00006
1.0000	3317.988	1.0000	-0.00004
4.5000	3582.997	4.4999	-0.00008
8.0000	3862.876	8.0000	-0.00002
11.5000	4158.015	11.5001	0.00006
15.0000	4468.797	15.0001	0.00011
18.5000	4795.584	18.5000	0.00002
22.0000	5138.750	21.9999	-0.00008
25.5000	5498.660	25.5000	-0.00003
29.0000	5875.630	29.0000	-0.00003
32.5000	6269.995	32.5001	0.00005

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

