

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5898

CALIBRATION DATE: 24-Apr-14

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.35081330e-003

h = 6.26294438e-004

i = 1.91859680e-005

j = 1.37230704e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3014.740	-1.5001	-0.00007
1.0000	3191.833	1.0001	0.00011
4.5000	3452.278	4.5000	-0.00002
8.0000	3727.770	8.0000	0.00000
11.5000	4018.731	11.5000	-0.00002
15.0000	4325.598	15.0000	-0.00001
18.5000	4648.784	18.5000	-0.00004
22.0000	4988.711	22.0000	0.00000
25.5000	5345.772	25.5000	0.00004
29.0000	5720.352	29.0000	0.00004
32.5000	6112.822	32.5000	-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

