

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5855

CALIBRATION DATE: 05-Sep-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.36503623e-003

h = 6.31055809e-004

i = 1.96265831e-005

j = 1.37161083e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3063.498	-1.5001	-0.00007
1.0000	3242.426	1.0001	0.00010
4.5000	3505.490	4.5000	0.00003
8.0000	3783.638	8.0000	-0.00002
11.5000	4077.309	11.5000	-0.00003
15.0000	4386.928	15.0000	-0.00002
18.5000	4712.911	18.5000	-0.00001
22.0000	5055.664	22.0000	-0.00002
25.5000	5415.594	25.5001	0.00006
29.0000	5793.071	29.0001	0.00006
32.5000	6188.465	32.4999	-0.00006

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

