

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5855
CALIBRATION DATE: 10-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.36516006e-003
h = 6.31325069e-004
i = 1.98223382e-005
j = 1.41778927e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3063.514	-1.5001	-0.00006
1.0000	3242.439	1.0001	0.00006
4.5000	3505.510	4.5001	0.00007
8.0000	3783.660	8.0000	-0.00002
11.5000	4077.334	11.4999	-0.00006
15.0000	4386.963	15.0000	-0.00000
18.5000	4712.948	18.5000	-0.00004
22.0000	5055.708	22.0000	-0.00002
25.5000	5415.644	25.5001	0.00009
29.0000	5793.115	29.0000	0.00004
32.5000	6188.506	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

