

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0710
CALIBRATION DATE: 07-Mar-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.79526915e-003
h = 6.77434351e-004
i = 2.94971677e-005
j = 2.69624888e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	5797.393	-1.5000	0.00000
0.9999	6132.204	1.0000	0.00008
4.5000	6624.090	4.4999	-0.00008
8.0000	7143.665	7.9999	-0.00014
11.4999	7691.661	11.4999	0.00000
14.9999	8268.768	15.0000	0.00009
18.4999	8875.646	18.5001	0.00018
21.9999	9512.907	22.0000	0.00010
25.4999	10181.150	25.4997	-0.00018
29.0000	10881.054	28.9997	-0.00027
32.5000	11613.220	32.5002	0.00021

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

