

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4551

CALIBRATION DATE: 05-May-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.33677225e-003

h = 6.33693839e-004

i = 1.99891812e-005

j = 1.61854627e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2907.648	-1.4999	0.00005
0.9999	3076.185	0.9999	-0.00005
4.4999	3323.864	4.4999	-0.00005
7.9999	3585.561	7.9999	-0.00003
11.4999	3861.665	11.4999	0.00003
14.9999	4152.556	15.0001	0.00016
18.5000	4458.578	18.5000	-0.00002
22.0000	4780.104	21.9999	-0.00010
25.5000	5117.497	25.5000	-0.00002
29.0000	5471.071	29.0000	0.00001
32.4999	5841.140	32.4999	0.00002

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

