

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2572  
CALIBRATION DATE: 24-Feb-15

SBE 3 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS:

g = 4.37486068e-003  
h = 6.44791772e-004  
i = 2.34433314e-005  
j = 2.20473017e-006  
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3053.632	-1.5000	0.00003
0.9999	3229.398	0.9999	-0.00002
4.4999	3487.631	4.4998	-0.00005
7.9999	3760.408	7.9999	0.00000
11.4999	4048.112	11.4999	0.00002
14.9999	4351.129	15.0000	0.00006
18.5000	4669.824	18.5000	-0.00002
22.0000	5004.559	22.0000	0.00001
25.5000	5355.669	25.5000	-0.00002
29.0000	5723.491	28.9999	-0.00006
32.4999	6108.349	32.4999	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

