

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0655  
CALIBRATION DATE: 11-Mar-15

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## ITS-90 COEFFICIENTS:

g = 4.17178873e-003  
h = 5.85816604e-004  
i = 1.85996817e-006  
j = -2.20338049e-006  
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2459.713	0.9998	-0.00020
4.5000	2663.977	4.5004	0.00036
15.0000	3348.567	14.9999	-0.00012
18.5000	3601.947	18.4997	-0.00030
24.0000	4026.977	24.0001	0.00014
28.9999	4442.819	29.0003	0.00042
32.5000	4751.123	32.4997	-0.00030

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

