

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0436
CALIBRATION DATE: 19-Dec-14

SBE 19 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.19949370e-003
h = 6.08550718e-004
i = 4.93435457e-006
j = -1.94375827e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2499.510	0.9999	-0.00007
4.5000	2700.762	4.5001	0.00014
15.0000	3372.920	14.9998	-0.00021
18.5000	3620.902	18.5000	-0.00005
24.0000	4035.989	24.0005	0.00051
29.0000	4441.051	28.9995	-0.00052
32.5000	4741.005	32.5002	0.00019

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

