

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5348
CALIBRATION DATE: 22-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.36762725e-003
h = 6.36889981e-004
i = 2.16102303e-005
j = 1.89822928e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3052.243	-1.5000	-0.00002
1.0000	3229.433	1.0000	0.00003
4.5000	3489.850	4.5000	-0.00001
8.0000	3765.064	7.9999	-0.00005
11.4999	4055.489	11.5000	0.00006
15.0000	4361.521	15.0000	-0.00001
18.4999	4683.534	18.4999	-0.00001
22.0000	5021.931	22.0000	-0.00005
25.5000	5377.066	25.5001	0.00005
29.0000	5749.268	29.0000	-0.00001
32.4999	6138.887	32.4999	-0.00001

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

