

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5348
CALIBRATION DATE: 12-Dec-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36769188e-003
h = 6.37046827e-004
i = 2.17293166e-005
j = 1.92768041e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3052.231	-1.5000	0.00003
1.0000	3229.411	1.0000	-0.00004
4.5000	3489.833	4.5000	-0.00001
8.0000	3765.048	8.0000	-0.00004
11.5000	4055.480	11.5000	0.00005
15.0000	4361.514	15.0001	0.00009
18.5000	4683.522	18.4999	-0.00006
22.0000	5021.912	21.9999	-0.00005
25.5000	5377.041	25.5000	0.00003
29.0001	5749.249	29.0001	-0.00001
32.5001	6138.871	32.5001	0.00001

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

