

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5773

CALIBRATION DATE: 19-Apr-17

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

g = 4.35202619e-003

h = 6.29384584e-004

i = 1.95931257e-005

j = 1.41796236e-006

f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3005.769	-1.5000	-0.00004
1.0000	3181.580	1.0000	0.00005
4.5000	3440.094	4.5000	0.00005
8.0000	3713.449	8.0000	-0.00003
11.5000	4002.083	11.5000	-0.00005
15.0000	4306.420	15.0000	0.00003
18.5000	4626.849	18.5000	-0.00004
22.0001	4963.804	22.0001	-0.00000
25.5000	5317.638	25.5001	0.00006
29.0001	5688.756	29.0001	0.00001
32.5000	6077.497	32.5000	-0.00003

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

