

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5773
CALIBRATION DATE: 08-Dec-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35204624e-003
h = 6.29426555e-004
i = 1.96308712e-005
j = 1.42894126e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3005.793	-1.5001	-0.00006
1.0000	3181.609	1.0001	0.00008
4.5000	3440.123	4.5000	0.00003
8.0000	3713.482	8.0000	-0.00003
11.5000	4002.121	11.5000	-0.00002
15.0000	4306.455	15.0000	0.00000
18.5001	4626.894	18.5000	-0.00008
22.0000	4963.835	22.0000	0.00002
25.5000	5317.676	25.5001	0.00006
29.0000	5688.784	29.0000	0.00005
32.5001	6077.534	32.5000	-0.00005

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

