

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5889
CALIBRATION DATE: 30-Mar-16

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35723041e-003
h = 6.28599940e-004
i = 1.94373491e-005
j = 1.37871813e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3036.104	-1.5000	-0.00004
1.0000	3213.962	1.0000	0.00005
4.5000	3475.511	4.5000	0.00004
8.0000	3752.107	8.0000	-0.00003
11.5000	4044.201	11.5000	0.00001
15.0000	4352.205	15.0000	-0.00002
18.5000	4676.543	18.4999	-0.00007
22.0000	5017.638	22.0000	0.00001
25.5000	5375.877	25.5001	0.00008
29.0000	5751.633	29.0000	0.00002
32.5000	6145.296	32.5000	-0.00004

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

