

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5889
CALIBRATION DATE: 12-Dec-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35726715e-003
h = 6.28683329e-004
i = 1.95075328e-005
j = 1.39711924e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3036.133	-1.5000	-0.00003
1.0000	3213.993	1.0000	0.00004
4.5000	3475.546	4.5000	0.00002
8.0000	3752.151	8.0000	-0.00002
11.5000	4044.248	11.5000	-0.00001
15.0000	4352.263	15.0000	0.00001
18.5000	4676.605	18.4999	-0.00006
22.0000	5017.705	22.0000	0.00001
25.5000	5375.945	25.5001	0.00006
29.0001	5751.712	29.0001	-0.00001
32.5001	6145.381	32.5001	-0.00002

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

